GORDIAN®

Job Order Contract Construction Task Catalog®

CSI Divisions 01-40 August 2025

Dormitory Authority State of New York

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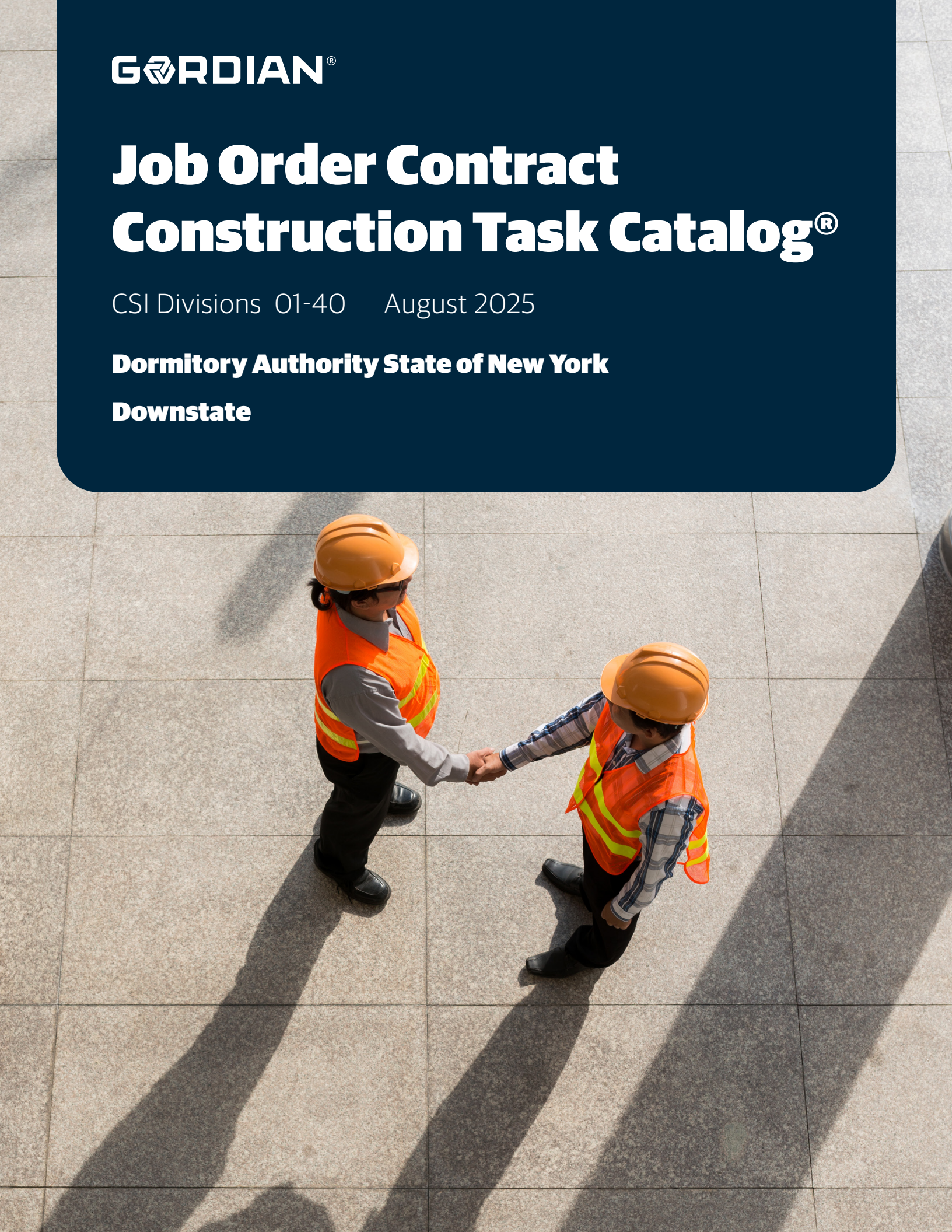

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Table of Contents

00 Using The Construction Task Catalog® 1

01 General Requirements 1

01 10 Summary 1
01 11 Summary Of Work 1
01 20 Price and Payment Procedures 1
01 22 Unit Prices 1
01 30 Administrative Requirements 37
01 35 Special Procedures 37
01 40 Quality Requirements 37
01 41 Regulatory Requirements 37
01 42 References 37
01 45 Quality Control 38
01 50 Temporary Facilities and Controls 41
01 51 Temporary Utilities 41
01 52 Construction Facilities 41
01 53 Temporary Construction 43
01 54 Construction Aids 43
01 55 Vehicular Access and Parking 45
01 56 Temporary Barriers and Enclosures 47
01 57 Temporary Controls 56
01 58 Project Identification 59
01 60 Product Requirements 59
01 66 Product Storage and Handling Requirements 59
01 70 Execution and Closeout Requirements 60
01 71 Examination and Preparation 60
01 74 Cleaning and Waste Management 61
01 95 Residential Construction 62
01 95 07 Residential - Thermal and Moisture Protection 62
01 95 08 Residential - Doors and Windows 63

02 Existing Conditions 1

02 20 Assessment 1
02 25 Existing Material Assessment 1
02 30 Subsurface Investigation 1
02 32 Geotechnical Investigations 1
02 40 Demolition and Structure Moving 2
02 41 Demolition 2
02 42 Removal and Salvage of Construction Materials 19
02 43 Structure Moving 19
02 50 Site Remediation 19
02 58 Snow Control 19
02 60 Contaminated Site Material Removal 19
02 61 Removal and Disposal of Contaminated Soils 19
02 65 Underground Storage Tank Removal 19
02 80 Facility Remediation 21
02 82 Asbestos Remediation 21
02 83 Lead Remediation 27
02 84 Polychlorinated Biphenyl Remediation 30
02 87 Bio-Hazard Material Remediation 30
02 89 Hazmat Ancillary Tasks and Support 39
02 90 Disaster Recovery 39
02 90 50 Cleaning and Disaster Cleanup 39
02 90 55 Emergency Clean-up 42

03 Concrete 1

03 01 Maintenance of Concrete 1
03 01 30 Maintenance of Cast-In-Place Concrete 1
03 05 Common Work Results For Concrete 3
03 05 13 Concrete Admixtures 3
03 10 Concrete Forming and Accessories 3
03 11 Concrete Forming 3
03 15 Concrete Accessories 7

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Table of Contents

03 20 Concrete Reinforcing 16
03 21 Reinforcement Bars 16
03 22 Fabric and Grid Reinforcing 43
03 30 Cast-In-Place Concrete 44
03 30 53 Miscellaneous Cast-in-Place Concrete 44
03 31 Structural Concrete 45
03 35 Concrete Finishing 62
03 37 Specialty Placed Concrete 65
03 39 Concrete Curing 66
03 40 Precast Concrete 66
03 48 Precast Concrete Specialties 66
03 50 Cast Decks and Underlayment 66
03 54 Cast Underlayment 66
03 60 Grouting 67
03 61 Cementitious Grouting 67
03 62 Non-Shrink Grouting 67
03 63 Epoxy Grouting 67
03 64 Injection Grouting 68
03 80 Concrete Cutting and Boring 68
03 81 Concrete Cutting 68
03 82 Concrete Boring 68

04 Masonry **1**

04 01 Maintenance of Masonry 1
04 01 20 Maintenance of Unit Masonry 1
04 01 50 Maintenance of Refractory Masonry 10
04 05 Common Work Results for Masonry 10
04 05 13 Masonry Mortaring 10
04 05 16 Masonry Grouting 10
04 05 19 Masonry Anchorage and Reinforcing 10
04 05 23 Masonry Accessories 35
04 20 Unit Masonry 36
04 21 Clay Unit Masonry 36
04 22 Concrete Unit Masonry 39
04 23 Glass Unit Masonry 44
04 40 Stone Assemblies 44
04 42 Exterior Stone Cladding 44
04 43 Stone Masonry 44
04 50 Refractory Masonry 45
04 51 Flue Liner Masonry 45
04 70 Manufactured Masonry 46
04 72 Cast Stone Masonry 46

05 Metals **1**

05 01 Maintenance of Metals 1
05 01 50 Maintenance of Metal Fabrications 1
05 01 70 Maintenance of Decorative Metal 1
05 05 Common Work Results for Metals 1
05 05 19 Post-Installed Concrete Anchors 1
05 05 21 Fastening Methods for Metal 11
05 05 23 Metal Fastenings 13
05 10 Structural Metal Framing 74
05 12 Structural Steel Framing 74
05 14 Structural Aluminum Framing 133
05 20 Metal Joists 133
05 21 Steel Joist Framing 133
05 30 Metal Decking 134
05 31 Steel Decking 134
05 36 Composite Metal Decking 137
05 40 Cold-Formed Metal Framing 140
05 41 Structural Metal Stud Framing 140
05 42 Cold-Formed Metal Joist Framing 141
05 43 Slotted Channel Framing 142
05 45 Metal Support Assemblies 143
05 50 Metal Fabrications 143
05 51 Metal Stairs 143
05 52 Metal Railings 145

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05 53 Metal Gratings 154
05 54 Metal Floor Plates 161
05 55 Metal Stair Treads and Nosings 161
05 58 Formed Metal Fabrications 163
05 59 Metal Specialties 164
05 70 Decorative Metal 164
05 73 Decorative Metal Railings 164
05 75 Decorative Formed Metal 165

06 Wood, Plastics, and Composites 1

06 05 Common Work Results for Wood, Plastics, and Composites 1
06 05 23 Wood, Plastic, and Composite Fastenings 1
06 05 73 Wood Treatment 22
06 10 Rough Carpentry 22
06 11 Wood Framing 22
06 13 Heavy Timber Construction 27
06 16 Sheathing 28
06 17 Shop-Fabricated Structural Wood 33
06 18 Glued-Laminated Construction 38
06 20 Finish Carpentry 39
06 22 Millwork 39
06 40 Architectural Woodwork 40
06 41 Architectural Wood Casework 40
06 42 Wood Paneling 54
06 46 Wood Trim 54
06 50 Structural Plastics 56
06 51 Structural Plastic Shapes and Plates 56
06 53 Plastic Decking 62
06 60 Plastic Fabrications 62
06 65 Plastic Trim 62
06 70 Structural Composites 63
06 74 Composite Gratings 63
06 80 Composite Fabrications 65
06 82 Composite Trim 65
06 83 Composite Paneling 67

07 Thermal And Moisture Protection 1

07 01 Operation and Maintenance of Thermal and Moisture Protection 1
07 01 50 Maintenance of Membrane Roofing 1
07 01 60 Maintenance of Flashing and Sheet Metal 1
07 01 70 Operation and Maintenance of Roof Specialties and Accessories 1
07 05 Common Work Results for Thermal and Moisture Protection 2
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work 2
07 10 Dampproofing and Waterproofing 2
07 11 Dampproofing 2
07 13 Sheet Waterproofing 2
07 14 Fluid-Applied Waterproofing 4
07 16 Cementitious and Reactive Waterproofing 4
07 17 Bentonite Waterproofing 4
07 18 Traffic Coatings 5
07 19 Water Repellents 5
07 20 Thermal Protection 5
07 21 Thermal Insulation 5
07 22 Roof and Deck Insulation 16
07 24 Exterior Insulation and Finish Systems 42
07 25 Weather Barriers 45
07 26 Vapor Retarders 45
07 27 Air Barriers 45
07 30 Steep Slope Roofing 45
07 31 Shingles and Shakes 45
07 32 Roof Tiles 51
07 34 Roofing Underlayment 53
07 40 Roofing and Siding Panels 55
07 41 Roof Panels 55
07 42 Wall Panels 58
07 46 Siding 59
07 50 Membrane Roofing 63

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Table of Contents

07 51 Built-Up Bituminous Roofing 63
07 52 Modified Bituminous Membrane Roofing 71
07 53 Elastomeric Membrane Roofing 80
07 54 Thermoplastic Membrane Roofing 83
07 55 Protected Membrane Roofing 87
07 56 Fluid-Applied Roofing 87
07 57 Coated Foamed Roofing 88
07 58 Roll Roofing 90
07 59 Membrane Roofing Termination Bar 90
07 60 Flashing and Sheet Metal 90
07 61 Sheet Metal Roofing 90
07 62 Sheet Metal Flashing and Trim 92
07 63 Sheet Metal Roofing Specialties 97
07 65 Flexible Flashing 98
07 70 Roof and Wall Specialties and Accessories 99
07 71 Roof Specialties 99
07 72 Roof Accessories 124
07 73 Roof Protection Board 149
07 76 Roof Pavers 151
07 80 Fire and Smoke Protection 151
07 81 Applied Fireproofing 151
07 84 Firestopping 152
07 86 Smoke Seals 158
07 90 Joint Protection 159
07 91 Preformed Joint Seals 159
07 92 Joint Sealants 161
07 95 Expansion Control 164

08 Openings 1

08 01 Operation and Maintenance of Openings 1
08 01 10 Operation and Maintenance of Doors and Frames 1
08 01 50 Operation and Maintenance of Windows 1
08 01 80 Maintenance of Glazing 1
08 05 Common Work Results for Openings 1
08 05 13 Door Options and Modifications 1
08 10 Doors and Frames 3
08 11 Metal Doors and Frames 3
08 12 Metal Frames 3
08 13 Metal Doors 22
08 14 Wood Doors 42
08 16 Composite Doors 108
08 30 Specialty Doors and Frames 113
08 31 Access Doors and Panels 113
08 33 Coiling Doors and Grilles 114
08 34 Special Function Doors 150
08 36 Panel Doors 162
08 38 Traffic Doors 169
08 40 Entrances, Storefronts, and Curtain Walls 185
08 42 Entrances 185
08 43 Storefronts 186
08 50 Windows 186
08 51 Metal Windows 186
08 52 Wood Windows 201
08 53 Plastic Windows 236
08 56 Special Function Windows 263
08 60 Roof Windows and Skylights 266
08 62 Unit Skylights 266
08 63 Metal-Framed Skylights 271
08 66 Wood-Framed Skylights 275
08 70 Hardware 276
08 71 Door Hardware 276
08 72 Weatherstripping, Thresholds and Seals 355
08 80 Glazing 366
08 81 Glass Glazing 366
08 83 Mirrors 379
08 84 Plastic Glazing 380
08 87 Glazing Surface Films 382
08 88 Special Function Glazing 383

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08 90 Louvers and Vents 384
08 91 Louvers 384
08 95 Vents 414

09 Finishes **1**

09 01 Maintenance of Finishes 1
09 01 20 Maintenance of Plaster and Gypsum Board 1
09 01 30 Maintenance of Tiling 1
09 01 90 Maintenance of Painting and Coating 1
09 20 Plaster and Gypsum Board 5
09 21 Plaster and Gypsum Board Assemblies 6
09 22 Supports for Plaster and Gypsum Board 6
09 23 Gypsum Plastering 14
09 24 Cement Plastering 15
09 28 Backing Boards and Underlayments 17
09 29 Gypsum Board 17
09 30 Tiling 24
09 30 13 Ceramic Tiling 24
09 30 16 Quarry Tiling 25
09 31 Thin-Set Tiling 25
09 32 Mortar-Bed Tiling 26
09 34 Waterproofing-Membrane Tiling 26
09 35 Chemical-Resistant Tiling 27
09 39 Tiling Transitions 27
09 50 Ceilings 27
09 51 Acoustical Ceilings 27
09 53 Acoustical Ceiling Suspension Assemblies 45
09 54 Specialty Ceilings 48
09 60 Flooring 49
09 61 Flooring Treatment 49
09 63 Masonry Flooring 49
09 64 Wood Flooring 49
09 65 Resilient Flooring 53
09 66 Terrazzo Flooring 62
09 67 Fluid-Applied Flooring 64
09 68 Carpeting 65
09 70 Wall Finishes 76
09 72 Wall Coverings 76
09 73 Wall Carpeting 76
09 80 Acoustic Treatment 77
09 81 Acoustic Insulation 77
09 84 Acoustic Room Components 77
09 90 Painting and Coating 78
09 91 Painting 78
09 92 Factory Finish 181
09 93 Staining and Transparent Finishing 182
09 96 High-Performance Coatings 184
09 97 Special Coatings 186

10 Specialties **1**

10 01 Operation and Maintenance of Specialties 1
10 01 40 Operation and Maintenance of Safety Specialties 1
10 01 50 Operation and Maintenance of Storage Specialties 1
10 10 Information Specialties 1
10 11 Visual Display Units 1
10 13 Directories 8
10 14 Signage 10
10 20 Interior Specialties 19
10 21 Compartments and Cubicles 19
10 22 Partitions 40
10 26 Wall and Door Protection 43
10 28 Toilet, Bath, and Laundry Accessories 53
10 40 Safety Specialties 62
10 41 Emergency Access And Information Cabinets 62
10 44 Fire Protection Specialties 63
10 50 Storage Specialties 68
10 51 Lockers 68

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Table of Contents

10 70 Exterior Specialties ... 81
10 71 Exterior Protection ... 81
10 75 Flagpoles ... 81
10 80 Other Specialties ... 83
10 81 Pest Control Devices ... 83
10 86 Security Mirrors And Domes ... 84

11 Equipment 1

11 10 Vehicle and Pedestrian Equipment ... 1
11 13 Loading Dock Equipment ... 1
11 30 Residential Equipment ... 5
11 30 13 Residential Appliances ... 5
11 30 33 Retractable Stairs ... 8
11 50 Educational and Scientific Equipment ... 9
11 52 Audio-Visual Equipment ... 9
11 60 Entertainment and Recreation Equipment ... 15
11 66 Athletic Equipment ... 15
11 68 Play Field Equipment and Structures ... 15
11 80 Facility Maintenance and Operation Equipment ... 34
11 81 Maintenance Equipment ... 34
11 90 Other Equipment ... 35
11 98 Detention Equipment ... 35

12 Furnishings 1

12 01 Operation and Maintenance of Furnishings ... 1
12 01 60 Operation and Maintenance of Multiple Seating ... 1
12 20 Window Treatments ... 1
12 21 Window Blinds ... 1
12 24 Window Shades ... 1
12 30 Casework ... 2
12 31 Manufactured Metal Casework ... 2
12 35 Specialty Casework ... 6
12 36 Countertops ... 8
12 50 Furniture ... 9
12 55 Detention Furniture ... 9
12 60 Multiple Seating ... 9
12 61 Fixed Audience Seating ... 9
12 66 Telescoping Stands ... 11

13 Special Construction 1

13 20 Special Purpose Rooms ... 1
13 26 Fabricated Rooms ... 1
13 30 Special Structures ... 1
13 34 Fabricated Engineered Structures ... 1
13 40 Integrated Construction ... 2
13 46 Lightning Protection Systems ... 2
13 47 Facility Protection ... 3
13 48 Sound, Vibration, and Seismic Control ... 4

14 Conveying Equipment 1

14 01 Operation and Maintenance of Conveying Equipment ... 1
14 01 20 Operation and Maintenance of Elevators ... 1
14 20 Elevators ... 3
14 21 Electric Traction Elevators ... 3
14 24 Hydraulic Elevators ... 5
14 26 Limited-Use/Limited-Application Elevators ... 9
14 27 Custom Elevator Cabs and Doors ... 9
14 28 Elevator Equipment and Controls ... 10
14 40 Lifts ... 10
14 41 People Lifts ... 10
14 42 Wheelchair Lifts ... 10

21 Fire Suppression 1

21 01 Operation and Maintenance of Fire Suppression ... 1

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21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems 1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment 1
21 05 Common Work Results for Fire Suppression 1
21 05 13 Common Motor Requirements for Fire-Suppression Equipment 1
21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping 1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping 1
21 05 19 Meters and Gages for Fire-Suppression Systems 1
21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping 2
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment 2
21 05 33 Heat Tracing for Fire-Suppression Piping 2
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment 2
21 05 53 Identification for Fire-Suppression Piping and Equipment 2
21 07 Fire-Suppression Systems Insulation 2
21 07 16 Fire-Suppression Equipment Insulation 2
21 07 19 Fire-Suppression Piping Insulation 2
21 10 Water-Based Fire-Suppression Systems 2
21 11 Facility Fire-Suppression Water-Service Piping 2
21 12 Fire-Suppression Standpipes 3
21 13 Fire-Suppression Sprinkler Systems 4
21 20 Fire-Extinguishing Systems 31
21 21 Carbon-Dioxide Fire-Extinguishing Systems 31
21 22 Clean-Agent Fire-Extinguishing Systems 31
21 23 Wet-Chemical Fire-Extinguishing Systems 39
21 24 Dry-Chemical Fire-Extinguishing Systems 42
21 30 Fire Pumps 44
21 31 Centrifugal Fire Pumps 44
21 34 Fire Pump Accessories 45
21 40 Fire-Suppression Water Storage 45
21 41 Storage Tanks for Fire-Suppression Water 45

22 Plumbing 1

22 01 Operation and Maintenance of Plumbing 1
22 01 10 Operation and Maintenance of Plumbing Piping and Pumps 1
22 01 40 Operation and Maintenance of Plumbing Fixtures 2
22 05 Common Work Results for Plumbing 3
22 05 13 Common Motor Requirements for Plumbing Equipment 3
22 05 16 Expansion Fittings and Loops for Plumbing Piping 3
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping 3
22 05 19 Meters and Gages for Plumbing Piping 3
22 05 23 General-Duty Valves for Plumbing Piping 3
22 05 29 Hangers and Supports for Plumbing Piping and Equipment 5
22 05 33 Heat Tracing for Plumbing Piping 5
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment 5
22 05 53 Identification for Plumbing Piping and Equipment 5
22 05 76 Facility Drainage Piping Cleanouts 5
22 07 Plumbing Insulation 8
22 07 16 Plumbing Equipment Insulation 8
22 07 19 Plumbing Piping Insulation 8
22 10 Plumbing Piping 35
22 11 Facility Water Distribution 35
22 12 Facility Potable-Water Storage Tanks 97
22 13 Facility Sanitary Sewerage 98
22 14 Facility Storm Drainage 144
22 15 General Service Compressed-Air Systems 153
22 30 Plumbing Equipment 159
22 31 Domestic Water Softeners 159
22 32 Domestic Water Filtration Equipment 161
22 33 Electric Domestic Water Heaters 162
22 34 Fuel-Fired Domestic Water Heaters 166
22 35 Domestic Water Heat Exchangers 170
22 40 Plumbing Fixtures 171
22 41 Residential Plumbing Fixtures 171
22 42 Commercial Plumbing Fixtures 171
22 43 Healthcare Plumbing Fixtures 184
22 45 Emergency Plumbing Fixtures 185
22 46 Security Plumbing Fixtures 188
22 47 Drinking Fountains and Water Coolers 189
22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities 192

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Table of Contents

22 63 Gas Systems for Laboratory and Healthcare Facilities 192
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities 192

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

23 01 Operation and Maintenance of HVAC Systems 1
23 01 10 Operation and Maintenance of Facility Fuel Systems 1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps 1
23 01 30 Operation and Maintenance of HVAC Air Distribution 3
23 01 50 Operation and Maintenance of Central Heating Equipment 3
23 01 60 Operation and Maintenance of Central Cooling Equipment 4
23 05 Common Work Results for HVAC 5
23 05 13 Common Motor Requirements for HVAC Equipment 5
23 05 16 Expansion Fittings and Loops for HVAC Piping 9
23 05 17 Sleeves and Sleeve Seals for HVAC Piping 9
23 05 19 Meters and Gages for HVAC Piping 10
23 05 23 General-Duty Valves For HVAC Piping 13
23 05 29 Hangers and Supports for HVAC Piping and Equipment 31
23 05 33 Heat Tracing for HVAC Piping 56
23 05 48 Vibration and Seismic Controls for HVAC 56
23 05 53 Identification for HVAC Piping and Equipment 60
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment 60
23 05 93 Testing, Adjusting, and Balancing for HVAC 62
23 07 HVAC Insulation 65
23 07 13 Duct Insulation 65
23 07 16 HVAC Equipment Insulation 66
23 07 19 HVAC Piping Insulation 66
23 08 Commissioning of HVAC 70
23 09 Instrumentation and Control for HVAC 70
23 09 23 Direct-Digital Control System for HVAC 70
23 09 43 Pneumatic Control System For HVAC 86
23 10 Facility Fuel Systems 86
23 11 Facility Fuel Piping 87
23 12 Facility Fuel Pumps 98
23 13 Facility Fuel-Storage Tanks 99
23 20 HVAC Piping and Pumps 108
23 21 Hydronic Piping and Pumps 108
23 22 Steam and Condensate Piping and Pumps 200
23 23 Refrigerant Piping 205
23 25 HVAC Water Treatment 209
23 30 HVAC Air Distribution 210
23 31 HVAC Ducts and Casings 210
23 33 Air Duct Accessories 243
23 34 HVAC Fans 286
23 35 Special Exhaust Systems 300
23 36 Air Terminal Units 301
23 37 Air Outlets and Inlets 304
23 38 Ventilation Hoods 318
23 40 HVAC Air Cleaning Devices 318
23 41 Particulate Air Filtration 318
23 42 Gas-Phase Air Filtration 320
23 43 Electronic Air Cleaners 321
23 50 Central Heating Equipment 321
23 51 Breechings, Chimneys, and Stacks 321
23 52 Heating Boilers 342
23 53 Heating Boiler Feedwater Equipment 359
23 54 Furnaces 360
23 55 Fuel-Fired Heaters 362
23 57 Heat Exchangers for HVAC 366
23 60 Central Cooling Equipment 368
23 61 Refrigerant Compressors 368
23 62 Packaged Compressor and Condenser Units 369
23 63 Refrigerant Condensers 370
23 64 Packaged Water Chillers 373
23 65 Cooling Towers 375
23 70 Central HVAC Equipment 380
23 71 Thermal Storage 380
23 72 Air-To-Air Energy Recovery Equipment 380
23 73 Indoor Central-Station Air-Handling Units 380

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23 74 Packaged Outdoor HVAC Equipment 397
23 80 Decentralized Unitary HVAC Equipment 401
23 81 Decentralized Unitary HVAC Equipment 401
23 82 Convection Heating and Cooling Units 413
23 83 Radiant Heating Units 429
23 84 Humidity Control Equipment 429

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems 1
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution 1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution 2
26 01 50 Operation and Maintenance of Lighting 2
26 05 Common Work Results for Electrical 26
26 05 13 Medium-Voltage Cables 26
26 05 19 Low-Voltage Electrical Power Conductors and Cables 32
26 05 23 Control-Voltage Electrical Power Cables 49
26 05 26 Grounding and Bonding for Electrical Systems 49
26 05 29 Hangers and Supports for Electrical Systems 53
26 05 33 Raceway and Boxes for Electrical Systems 74
26 05 39 Underfloor Raceways for Electrical Systems 225
26 05 43 Underground Ducts and Raceways for Electrical Systems 227
26 05 46 Utility Poles for Electrical Systems 227
26 05 53 Identification for Electrical Systems 231
26 05 83 Wiring Connections 231
26 09 Instrumentation and Control for Electrical Systems 234
26 09 23 Lighting Control Devices 234
26 10 Medium-Voltage Electrical Distribution 253
26 11 Substations 253
26 12 Medium-Voltage Transformers 259
26 13 Medium-Voltage Switchgear 262
26 18 Medium-Voltage Circuit Protection Devices 265
26 19 High-Voltage Circuit Protection 265
26 20 Low-Voltage Electrical Distribution 268
26 21 Low-Voltage Electrical Service Entrance 268
26 22 Low-Voltage Transformers 269
26 24 Switchboards and Panelboards 275
26 25 Enclosed Bus Assemblies 321
26 27 Low-Voltage Distribution Equipment 325
26 28 Low-Voltage Circuit Protective Devices 341
26 29 Low-Voltage Controllers 369
26 30 Facility Electrical Power Generating and Storing Equipment 385
26 31 Photovoltaic Collectors 385
26 32 Packaged Generator Assemblies 389
26 33 Battery Equipment 393
26 35 Power Filters and Conditioners 396
26 36 Transfer Switches 396
26 40 Electrical And Cathodic Protection 401
26 43 Surge Protective Devices 401
26 50 Lighting 404
26 51 Interior Lighting 404
26 52 Safety Lighting 447
26 54 Classified Location Lighting 452
26 55 Special Purpose Lighting 454
26 56 Exterior Lighting 467

27 Communications 1

27 05 Common Work Results for Communications 1
27 05 26 Grounding and Bonding for Communications Systems 1
27 05 29 Hangers and Supports for Communications Systems 1
27 05 33 Conduits and Back Boxes for Communications Systems 4
27 05 39 Surface Raceways for Communications Systems 4
27 05 43 Underground Ducts and Raceways for Communications Systems 4
27 05 46 Utility Poles for Communications Systems 4
27 05 53 Identification for Communications Systems 4
27 10 Structured Cabling 4
27 11 Communications Equipment Room Fittings 4
27 13 Communications Backbone Cabling 10

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Table of Contents

27 15 Communications Horizontal Cabling 12
27 16 Communications Connecting Cords, Devices, and Adapters 51
27 20 Data Communications 52
27 21 Data Communications Network Equipment 52
27 50 Distributed Communications and Monitoring Systems 53
27 51 Distributed Audio-Video Communications Systems 54

28 Electronic Safety and Security 1

28 05 Common Work Results for Electronic Safety and Security 1
28 05 26 Grounding and Bonding for Electronic Safety and Security 1
28 05 53 Identification for Electronic Safety and Security 1
28 10 Access Control 1
28 15 Integrated Access Control Hardware Devices 1
28 16 Access Control Interfaces 1
28 20 Video Surveillance 7
28 21 Surveillance Cameras 7
28 40 Life Safety 24
28 42 Gas Detection and Alarm 24
28 43 Fuel Oil Detection and Alarm 25
28 46 Fire Detection and Alarm 25
28 47 Mass Notification 70
28 49 Electronic Personal Protection Systems 71

31 Earthwork 1

31 05 Common Work Results for Earthwork 1
31 05 16 Aggregates for Earthwork 1
31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization 3
31 10 Site Clearing 3
31 11 Clearing and Grubbing 3
31 13 Selective Tree and Shrub Removal and Trimming 3
31 20 Earth Moving 5
31 22 Grading 5
31 23 Excavation and Fill 5
31 24 Embankments 10
31 25 Erosion and Sedimentation Controls 11
31 30 Earthwork Methods 14
31 31 Soil Treatment 14
31 32 Soil Stabilization 14
31 35 Slope Protection 17
31 36 Gabions 17
31 37 Riprap 17
31 40 Shoring and Underpinning 17
31 41 Shoring 17
31 43 Concrete Raising 18
31 45 Vibroflotation and Densification 18
31 60 Special Foundations and Load-bearing Elements 18
31 62 Driven Piles 18
31 63 Bored Piles 21

32 Exterior Improvements 1

32 01 Operation and Maintenance of Exterior Improvements 1
32 01 11 Paving Cleaning 1
32 01 13 Flexible Paving Surface Treatment 2
32 01 16 Flexible Paving Rehabilitation 2
32 01 17 Flexible Paving Repair 3
32 01 29 Rigid Paving Repair 5
32 01 90 Operation and Maintenance of Planting 5
32 10 Bases, Ballasts, and Paving 8
32 11 Base Courses 8
32 12 Flexible Paving 9
32 13 Rigid Paving 11
32 14 Unit Paving 15
32 16 Curbs, Gutters, Sidewalks, and Driveways 18
32 17 Paving Specialties 24
32 18 Athletic and Recreational Surfacing 32
32 30 Site Improvements 37

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32 31 Fences and Gates 37
32 32 Retaining Walls 106
32 33 Site Furnishings 107
32 39 Manufactured Site Specialties 116
32 80 Irrigation 118
32 84 Planting Irrigation 118
32 90 Planting 125
32 91 Planting Preparation 126
32 92 Turf and Grasses 128
32 93 Plants 131
32 94 Planting Accessories 162
32 96 Transplanting 164

33 Utilities 1

33 01 Operation and Maintenance of Utilities 1
33 01 10 Operation and Maintenance of Water Utilities 1
33 01 30 Operation and Maintenance of Sewer Utilities 2
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems 61
33 01 70 Operation and Maintenance of Electrical Utilities 61
33 05 Common Work Results for Utilities 63
33 05 07 Trenchless Installation of Utility Piping 63
33 05 09 Piping Specials for Utilities 65
33 05 16 Cast-Iron Utility Pipe 65
33 05 17 Copper Utility Pipe and Tubing 65
33 05 19 Ductile-Iron Utility Pipe 65
33 05 24 Steel Utility Pipe 65
33 05 27 Corrugated Metal Utility Pipe 65
33 05 31 Thermoplastic Utility Pipe 65
33 05 33 Polyethylene Utility Pipe 65
33 05 39 Concrete Pipe 66
33 05 41 Vitrified Clay Utility Pipe 66
33 05 61 Concrete Manholes 66
33 05 63 Concrete Vaults and Chambers 68
33 05 81 Metallic Castings for Utility Structures 77
33 05 83 Non-Metallic Accessories for Utility Structures 77
33 05 84 Accessories for Utility Structures 78
33 05 97 Identification and Signage for Utilities 80
33 10 Water Utilities 80
33 14 Water Utility Transmission and Distribution 80
33 16 Water Utility Storage Tanks 163
33 19 Water Utility Metering Equipment 163
33 30 Sanitary Sewerage Utilities 163
33 31 Sanitary Sewerage Piping 163
33 32 Sanitary Sewerage Equipment 168
33 34 Onsite Wastewater Disposal 168
33 40 Stormwater Utilities 169
33 41 Subdrainage 169
33 42 Stormwater Conveyance 172
33 44 Storm Utility Water Drains 222
33 50 Hydrocarbon Utilities 223
33 52 Hydrocarbon Transmission and Distribution 223
33 53 Hydrocarbon Utility Pressure Regulation 225
33 56 Hydrocarbon Storage 226
33 59 Hydrocarbon Utility Metering 226
33 60 Hydronic and Steam Energy Utilities 226
33 61 Hydronic Energy Distribution 226
33 70 Electrical Utilities 243
33 71 Electrical Utility Transmission and Distribution 243

34 Transportation 1

34 40 Transportation Signaling and Control Equipment 1
34 41 Roadway Signaling and Control Equipment 1
34 70 Transportation Construction and Equipment 1
34 71 Roadway Construction 1

35 Waterway and Marine Construction 1

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Table of Contents

35 20 Waterway and Marine Construction and Equipment 1
35 22 Hydraulic Gates 1

40 Process Interconnections 1

40 05 Common Work Results For Process Interconnections 1
40 05 19 Ductile Iron Process Pipe 1
40 05 23 Stainless Steel Process Pipe and Tubing 218
40 05 71 Solids Handling Valves 249
40 20 Liquids Process Piping 250
40 23 Water and Wastewater Process Piping 250

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About the CTC:

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

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

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

Equipment Costs:

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

Material Costs:

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

The Adjustment Factors Include:

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

Business Costs:

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

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

Project Related Costs:

- ☑ Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

Summary:

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

Unit Price X Quantity X Adjustment Factor

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

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.

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

DEMOLITION:

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

WORKING HEIGHT:

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

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Field Engineering:

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

Assemblies:

☑ Assembly tasks take precedence over individual component tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

Technical Specifications:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

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

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear

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Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

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

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

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

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

Conversions:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

2025

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2)height
- Surface Area = 2 π radius^2+(2 π radius)height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

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

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

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

Note: For specification publishing. Review specifications for requirements.

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

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

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

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

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

01 22 20 Wage Rates *(01 22)*

Note: All Wage Rates, including modifiers, shall always be multiplied by the Day Shift Monday - Friday Adjustment Factor. Include the appropriate modifiers to adjust the Wage Rates for Shift Differential, Time and One Half, and Double Time.

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

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

01 22 20 00-0002	HR	Asbestos Handler Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.00	
		For Shift Differential, Add	*3.19*	
		For Time And One Half, Add	*19.98*	
		For Double Time, Add	*39.95*	
		For Foreperson, Add	*4.75*	
		For Apprentice, Deduct	*-19.00*	
01 22 20 00-0003	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	146.35	
		For Shift Differential, Add	*5.94*	
		For Time And One Half, Add	*58.78*	
		For Double Time, Add	*117.56*	
		For Foreperson, Add	*7.32*	
		For Apprentice, Deduct	*-29.27*	
01 22 20 00-0004	HR	Bricklayer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	139.57	
		For Shift Differential, Add	*5.27*	
		For Time And One Half, Add	*30.02*	
		For Double Time, Add	*60.04*	
		For Foreperson, Add	*6.98*	
		For Apprentice, Deduct	*-27.91*	
01 22 20 00-0005	HR	Carpenter, Building Commercial Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	139.30	
		For Shift Differential, Add	*5.41*	
		For Time And One Half, Add	*29.53*	
		For Double Time, Add	*59.05*	
		For Foreperson, Add	*6.97*	
		For Apprentice, Deduct	*-27.86*	
01 22 20 00-0006	HR	Carpenter, Heavy Construction Work Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	150.94	
		For Shift Differential, Add	*5.92*	
		For Time And One Half, Add	*30.80*	
		For Double Time, Add	*61.59*	
		For Foreperson, Add	*7.55*	
		For Apprentice, Deduct	*-30.19*	
01 22 20 00-0007	HR	Carpenter, Sidewalk Shed, Scaffold And Hoist Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	135.82	
		For Shift Differential, Add	*5.31*	
		For Time And One Half, Add	*28.10*	
		For Double Time, Add	*56.20*	
		For Foreperson, Add	*6.79*	
		For Apprentice, Deduct	*-27.16*	
01 22 20 00-0008	HR	Carpenter - Wood Water Storage Tank Mechanic Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.39	
		For Shift Differential, Add	*3.24*	
		For Time And One Half, Add	*19.42*	
		For Double Time, Add	*38.83*	
		For Foreperson, Add	*4.27*	
		For Apprentice, Deduct	*-17.08*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0009	HR	Carpenter - Wood Water Storage Tank Helper	72.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*2.83*	
		For Time And One Half, Add	*15.22*	
		For Double Time, Add	*30.44*	
		For Foreperson, Add	*3.63*	
		For Apprentice, Deduct	*-14.51*	
01 22 20 00-0010	HR	Cement Mason	130.78	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.73*	
		For Time And One Half, Add	*58.40*	
		For Double Time, Add	*94.63*	
		For Foreperson, Add	*6.54*	
		For Apprentice, Deduct	*-26.16*	
01 22 20 00-0011	HR	Dockbuilder - Pile Drivers	147.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.92*	
		For Time And One Half, Add	*30.80*	
		For Double Time, Add	*61.59*	
		For Foreperson, Add	*7.39*	
		For Apprentice, Deduct	*-29.56*	
01 22 20 00-0012	HR	Driver - Dump Truck	127.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.29*	
		For Time And One Half, Deduct	*-11.09*	
		For Double Time, Add	*20.47*	
		For Foreperson, Add	*6.39*	
		For Apprentice, Deduct	*-25.56*	
01 22 20 00-0013	HR	Driver - Euclid And Turnapull Operator	130.62	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.35*	
		For Time And One Half, Deduct	*-6.63*	
		For Double Time, Add	*26.83*	
		For Foreperson, Add	*6.53*	
		For Apprentice, Deduct	*-26.12*	
01 22 20 00-0014	HR	Driver - Redi-Mix (Sand & Gravel)	117.98	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.84*	
		For Time And One Half, Deduct	*-7.62*	
		For Double Time, Add	*22.08*	
		For Foreperson, Add	*5.90*	
		For Apprentice, Deduct	*-23.60*	
01 22 20 00-0015	HR	Driver - Tractor Trailer	129.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.32*	
		For Time And One Half, Deduct	*-6.91*	
		For Double Time, Add	*26.27*	
		For Foreperson, Add	*6.49*	
		For Apprentice, Deduct	*-25.96*	
01 22 20 00-0016	HR	Electrician	158.87	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.66*	
		For Time And One Half, Add	*34.92*	
		For Double Time, Add	*65.92*	
		For Foreperson, Add	*7.94*	
		For Apprentice, Deduct	*-31.77*	
01 22 20 00-0017	HR	Electrician M-Rate	76.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.84*	
		For Apprentice, Deduct	*-15.37*	
		For Shift Differential, Add	*3.15*	
		For Time And One Half, Add	*18.87*	
		For Double Time, Add	*35.62*	
01 22 20 00-0018	HR	Elevator Repair/Maintenance	174.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.39*	
		For Time And One Half, Add	*32.77*	
		For Double Time, Add	*65.54*	
		For Foreperson, Add	*8.71*	
		For Apprentice, Deduct	*-34.83*	
01 22 20 00-0019	HR	Floor Covering	139.30	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.41*	
		For Time And One Half, Add	*29.53*	
		For Double Time, Add	*59.05*	
		For Foreperson, Add	*6.97*	
		For Apprentice, Deduct	*-27.86*	
01 22 20 00-0020	HR	Glazier - Repair And Maintenance	69.47	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*2.85*	
		For Time And One Half, Add	*14.16*	
		For Double Time, Add	*28.32*	
		For Foreperson, Add	*3.47*	
		For Apprentice, Deduct	*-13.89*	
01 22 20 00-0021	HR	Glazier (New Construction, Remodeling, And Alteration)	129.84	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.40*	
		For Time And One Half, Add	*24.73*	
		For Double Time, Add	*49.45*	
		For Foreperson, Add	*6.49*	
		For Apprentice, Deduct	*-25.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0022	HR	Heat And Frost Insulator	138.84	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.43*	
		For Time And One Half, Add	*72.67*	
		For Double Time, Add	*108.52*	
		For Foreperson, Add	*6.94*	
		For Apprentice, Deduct	*-27.77*	
01 22 20 00-0023	HR	Iron Worker - Ornamental	180.93	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.67*	
		For Time And One Half, Add	*56.70*	
		For Double Time, Add	*113.40*	
		For Foreperson, Add	*9.05*	
		For Apprentice, Deduct	*-36.19*	
01 22 20 00-0024	HR	Iron Worker - Structural	179.78	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*7.55*	
		For Time And One Half, Add	*75.49*	
		For Double Time, Add	*150.97*	
		For Foreperson, Add	*8.99*	
		For Apprentice, Deduct	*-35.96*	
01 22 20 00-0025	HR	Laborer	125.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.07*	
		For Time And One Half, Add	*22.80*	
		For Double Time, Add	*45.60*	
01 22 20 00-0026	HR	Marble Setter	138.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.22*	
		For Time And One Half, Add	*52.21*	
		For Double Time, Add	*104.42*	
		For Foreperson, Add	*6.92*	
		For Apprentice, Deduct	*-27.68*	
01 22 20 00-0027	HR	Mason Tender	99.74	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*3.80*	
		For Time And One Half, Add	*20.90*	
		For Double Time, Add	*41.80*	
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.95*	
01 22 20 00-0028	HR	Mason Tender (Interior Demolition Worker)	87.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*3.26*	
		For Time And One Half, Add	*19.20*	
		For Double Time, Add	*38.40*	
		For Foreperson, Add	*4.36*	
		For Apprentice, Deduct	*-17.43*	
01 22 20 00-0029	HR	Metallic Lather	125.28	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.15*	
		For Time And One Half, Add	*35.00*	
		For Double Time, Add	*79.90*	
		For Foreperson, Add	*6.26*	
		For Apprentice, Deduct	*-25.06*	
01 22 20 00-0030	HR	Millwright	144.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.00*	
		For Time And One Half, Add	*30.42*	
		For Double Time, Add	*60.83*	
		For Foreperson, Add	*7.23*	
		For Apprentice, Deduct	*-28.92*	
01 22 20 00-0031	HR	Mosaic And Terrazzo Mechanic	127.76	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.16*	
		For Time And One Half, Add	*27.39*	
		For Double Time, Add	*54.77*	
		For Foreperson, Add	*6.39*	
		For Apprentice, Deduct	*-25.55*	
01 22 20 00-0032	HR	Operating Engineer - Building Work I	142.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.57*	
		For Time And One Half, Add	*68.83*	
		For Double Time, Add	*105.06*	
		For Foreperson, Add	*7.11*	
		For Apprentice, Deduct	*-28.42*	
01 22 20 00-0033	HR	Operating Engineer - Building Work II	115.98	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.65*	
		For Time And One Half, Add	*59.66*	
		For Double Time, Add	*86.72*	
		For Foreperson, Add	*5.80*	
		For Apprentice, Deduct	*-23.20*	
01 22 20 00-0034	HR	Operating Engineer - Building Work III	170.39	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.56*	
		For Time And One Half, Add	*78.76*	
		For Double Time, Add	*124.92*	
		For Foreperson, Add	*8.52*	
		For Apprentice, Deduct	*-34.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0035	HR	Operating Engineer - Building Work IV	178.18	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.83*	
		For Time And One Half, Add	*81.50*	
		For Double Time, Add	*130.39*	
		For Foreperson, Add	*8.91*	
		For Apprentice, Deduct	*-35.64*	
01 22 20 00-0036	HR	Operating Engineer - Building Work V	153.64	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.97*	
		For Time And One Half, Add	*72.88*	
		For Double Time, Add	*113.16*	
		For Foreperson, Add	*7.68*	
		For Apprentice, Deduct	*-30.73*	
01 22 20 00-0037	HR	Operating Engineer - Building Work VI	152.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.93*	
		For Time And One Half, Add	*72.45*	
		For Double Time, Add	*112.30*	
		For Foreperson, Add	*7.62*	
		For Apprentice, Deduct	*-30.48*	
01 22 20 00-0038	HR	Operating Engineer - Building Work VII	129.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.11*	
		For Time And One Half, Add	*64.24*	
		For Double Time, Add	*95.87*	
		For Foreperson, Add	*6.45*	
		For Apprentice, Deduct	*-25.80*	
01 22 20 00-0039	HR	Operating Engineer - Concrete I	177.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.81*	
		For Time And One Half, Add	*81.26*	
		For Double Time, Add	*129.92*	
		For Foreperson, Add	*8.88*	
		For Apprentice, Deduct	*-35.50*	
01 22 20 00-0040	HR	Operating Engineer - Concrete II	121.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.84*	
		For Time And One Half, Add	*61.58*	
		For Double Time, Add	*90.56*	
		For Foreperson, Add	*6.07*	
		For Apprentice, Deduct	*-24.29*	
01 22 20 00-0041	HR	Operating Engineer - Concrete III	149.71	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.84*	
		For Time And One Half, Add	*71.50*	
		For Double Time, Add	*110.40*	
		For Foreperson, Add	*7.49*	
		For Apprentice, Deduct	*-29.94*	
01 22 20 00-0042	HR	Operating Engineer - Paving I	168.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.50*	
		For Time And One Half, Add	*78.12*	
		For Double Time, Add	*123.64*	
		For Foreperson, Add	*8.43*	
		For Apprentice, Deduct	*-33.71*	
01 22 20 00-0043	HR	Operating Engineer - Paving II	165.26	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.38*	
		For Time And One Half, Add	*76.96*	
		For Double Time, Add	*121.32*	
		For Foreperson, Add	*8.26*	
		For Apprentice, Deduct	*-33.05*	
01 22 20 00-0044	HR	Operating Engineer - Paving III	145.74	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.70*	
		For Time And One Half, Add	*70.11*	
		For Double Time, Add	*107.61*	
		For Foreperson, Add	*7.29*	
		For Apprentice, Deduct	*-29.15*	
01 22 20 00-0045	HR	Operating Engineer - Road & Heavy Construction I	172.41	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.63*	
		For Time And One Half, Add	*79.47*	
		For Double Time, Add	*126.34*	
		For Foreperson, Add	*8.62*	
		For Apprentice, Deduct	*-34.48*	
01 22 20 00-0046	HR	Operating Engineer - Road & Heavy Construction II	177.14	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.80*	
		For Time And One Half, Add	*81.13*	
		For Double Time, Add	*129.66*	
		For Foreperson, Add	*8.86*	
		For Apprentice, Deduct	*-35.43*	
01 22 20 00-0047	HR	Operating Engineer - Road & Heavy Construction III	181.59	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.95*	
		For Time And One Half, Add	*82.69*	
		For Double Time, Add	*132.78*	
		For Foreperson, Add	*9.08*	
		For Apprentice, Deduct	*-36.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0048	HR	Operating Engineer - Road & Heavy Construction IV	178.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.83*	
		For Time And One Half, Add	*81.48*	
		For Double Time, Add	*130.35*	
		For Foreperson, Add	*8.91*	
		For Apprentice, Deduct	*-35.63*	
01 22 20 00-0049	HR	Operating Engineer - Road & Heavy Construction V	175.39	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.74*	
		For Time And One Half, Add	*80.52*	
		For Double Time, Add	*128.43*	
		For Foreperson, Add	*8.77*	
		For Apprentice, Deduct	*-35.08*	
01 22 20 00-0050	HR	Operating Engineer - Road & Heavy Construction VI	168.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.50*	
		For Time And One Half, Add	*78.12*	
		For Double Time, Add	*123.64*	
		For Foreperson, Add	*8.43*	
		For Apprentice, Deduct	*-33.71*	
01 22 20 00-0051	HR	Operating Engineer - Road & Heavy Construction VII	143.67	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.62*	
		For Time And One Half, Add	*69.38*	
		For Double Time, Add	*106.16*	
		For Foreperson, Add	*7.18*	
		For Apprentice, Deduct	*-28.73*	
01 22 20 00-0052	HR	Operating Engineer - Road & Heavy Construction VIII	120.28	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.80*	
		For Time And One Half, Add	*61.17*	
		For Double Time, Add	*89.74*	
		For Foreperson, Add	*6.01*	
		For Apprentice, Deduct	*-24.06*	
01 22 20 00-0053	HR	Operating Engineer - Road & Heavy Construction IX	162.26	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.28*	
		For Time And One Half, Add	*75.91*	
		For Double Time, Add	*119.21*	
		For Foreperson, Add	*8.11*	
		For Apprentice, Deduct	*-32.45*	
01 22 20 00-0054	HR	Operating Engineer - Road & Heavy Construction X	152.30	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.93*	
		For Time And One Half, Add	*72.41*	
		For Double Time, Add	*112.22*	
		For Foreperson, Add	*7.62*	
		For Apprentice, Deduct	*-30.46*	
01 22 20 00-0055	HR	Operating Engineer - Road & Heavy Construction XI	127.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.04*	
		For Time And One Half, Add	*63.54*	
		For Double Time, Add	*94.47*	
		For Foreperson, Add	*6.35*	
		For Apprentice, Deduct	*-25.40*	
01 22 20 00-0056	HR	Operating Engineer - Road & Heavy Construction XII	169.95	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.55*	
		For Time And One Half, Add	*78.61*	
		For Double Time, Add	*124.61*	
		For Foreperson, Add	*8.50*	
		For Apprentice, Deduct	*-33.99*	
01 22 20 00-0057	HR	Operating Engineer - Road & Heavy Construction XIII	165.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.40*	
		For Time And One Half, Add	*77.17*	
		For Double Time, Add	*121.74*	
		For Foreperson, Add	*8.29*	
		For Apprentice, Deduct	*-33.17*	
01 22 20 00-0058	HR	Operating Engineer - Road & Heavy Construction XIV	160.26	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.21*	
		For Time And One Half, Add	*75.21*	
		For Double Time, Add	*117.81*	
		For Foreperson, Add	*8.01*	
		For Apprentice, Deduct	*-32.05*	
01 22 20 00-0059	HR	Operating Engineer - Road & Heavy Construction XV	120.83	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.82*	
		For Time And One Half, Add	*61.36*	
		For Double Time, Add	*90.12*	
		For Foreperson, Add	*6.04*	
		For Apprentice, Deduct	*-24.17*	
01 22 20 00-0060	HR	Operating Engineer - Road & Heavy Construction XVI	154.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.01*	
		For Time And One Half, Add	*73.29*	
		For Double Time, Add	*113.98*	
		For Foreperson, Add	*7.74*	
		For Apprentice, Deduct	*-30.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0061	HR	Operating Engineer - Road & Heavy Construction XVII	155.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.04*	
		For Time And One Half, Add	*73.59*	
		For Double Time, Add	*114.57*	
		For Foreperson, Add	*7.78*	
		For Apprentice, Deduct	*-31.13*	
01 22 20 00-0062	HR	Operating Engineer - Road & Heavy Construction XVIII	206.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*7.75*	
		For Time And One Half, Add	*90.62*	
		For Double Time, Add	*148.64*	
		For Foreperson, Add	*10.32*	
		For Apprentice, Deduct	*-41.28*	
01 22 20 00-0063	HR	Operating Engineer - Steel Erection I	183.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*7.02*	
		For Time And One Half, Add	*83.35*	
		For Double Time, Add	*134.09*	
		For Foreperson, Add	*9.17*	
		For Apprentice, Deduct	*-36.69*	
01 22 20 00-0064	HR	Operating Engineer - Steel Erection II	177.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.82*	
		For Time And One Half, Add	*81.36*	
		For Double Time, Add	*130.12*	
		For Foreperson, Add	*8.89*	
		For Apprentice, Deduct	*-35.56*	
01 22 20 00-0065	HR	Operating Engineer - Steel Erection III	117.64	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.71*	
		For Time And One Half, Add	*60.24*	
		For Double Time, Add	*87.88*	
		For Foreperson, Add	*5.88*	
		For Apprentice, Deduct	*-23.53*	
01 22 20 00-0066	HR	Operating Engineer - Steel Erection IV	113.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.58*	
		For Time And One Half, Add	*58.92*	
		For Double Time, Add	*85.23*	
		For Foreperson, Add	*5.69*	
		For Apprentice, Deduct	*-22.77*	
01 22 20 00-0067	HR	Painter	110.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.44*	
		For Time And One Half, Add	*31.01*	
		For Double Time, Add	*53.38*	
		For Foreperson, Add	*5.52*	
		For Apprentice, Deduct	*-22.08*	
01 22 20 00-0068	HR	Painter, Structural Steel	150.48	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.57*	
		For Time And One Half, Add	*28.13*	
		For Double Time, Add	*56.25*	
		For Foreperson, Add	*7.52*	
		For Apprentice, Deduct	*-30.10*	
01 22 20 00-0069	HR	Paperhanger	116.67	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.68*	
		For Time And One Half, Add	*46.79*	
		For Double Time, Add	*93.58*	
		For Foreperson, Add	*5.83*	
		For Apprentice, Deduct	*-23.33*	
01 22 20 00-0070	HR	Plasterer	105.19	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*3.95*	
		For Time And One Half, Add	*26.50*	
		For Double Time, Add	*52.99*	
		For Foreperson, Add	*5.26*	
		For Apprentice, Deduct	*-21.04*	
01 22 20 00-0071	HR	Plumber	154.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.07*	
		For Time And One Half, Add	*60.73*	
		For Double Time, Add	*121.45*	
		For Foreperson, Add	*7.73*	
		For Apprentice, Deduct	*-30.91*	
01 22 20 00-0072	HR	Roofer	117.39	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.49*	
		For Time And One Half, Add	*25.13*	
		For Double Time, Add	*50.25*	
		For Foreperson, Add	*5.87*	
		For Apprentice, Deduct	*-23.48*	
01 22 20 00-0073	HR	Sheet Metal Worker	139.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.74*	
		For Time And One Half, Add	*57.39*	
		For Double Time, Add	*112.03*	
		For Foreperson, Add	*6.97*	
		For Apprentice, Deduct	*-27.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0074	HR	Steamfitter	150.50	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*6.18*	
		For Time And One Half, Add	*92.05*	
		For Double Time, Add	*122.95*	
		For Foreperson, Add	*7.53*	
		For Apprentice, Deduct	*-30.10*	
01 22 20 00-0075	HR	Stone Mason - Setter	150.00	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.81*	
		For Time And One Half, Add	*29.74*	
		For Double Time, Add	*59.47*	
		For Foreperson, Add	*7.50*	
		For Apprentice, Deduct	*-30.00*	
01 22 20 00-0076	HR	Taper	107.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.22*	
		For Time And One Half, Add	*24.24*	
		For Double Time, Add	*48.47*	
		For Foreperson, Add	*5.38*	
		For Apprentice, Deduct	*-21.54*	
01 22 20 00-0077	HR	Telecommunication Worker	89.62	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*3.51*	
		For Time And One Half, Add	*23.52*	
		For Double Time, Add	*47.03*	
		For Foreperson, Add	*4.48*	
		For Apprentice, Deduct	*-17.92*	
01 22 20 00-0078	HR	Tile Layer - Finisher	106.20	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*4.19*	
		For Time And One Half, Add	*25.06*	
		For Double Time, Add	*50.11*	
		For Foreperson, Add	*5.31*	
		For Apprentice, Deduct	*-21.24*	
01 22 20 00-0079	HR	Tile Layer - Setter	131.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*5.11*	
		For Time And One Half, Add	*32.52*	
		For Double Time, Add	*65.03*	
		For Foreperson, Add	*6.57*	
		For Apprentice, Deduct	*-26.26*	
01 22 20 00-0080	HR	Utility Locator	55.67	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	*1.85*	
		For Time And One Half, Add	*17.75*	
		For Double Time, Add	*35.50*	
		For Foreperson, Add	*2.78*	
		For Apprentice, Deduct	*-11.13*	

01 22 20 00-0081 Rates For Services *(01 22 20)*

01 22 20 00-0082	HR	Watch/Guard Person, Unarmed	40.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0083	HR	Watch/Guard Person, Armed	58.43	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0084	HR	Estimator	90.00	
01 22 20 00-0085	HR	Senior Surveyor, Party Chief	151.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0086	HR	Surveyor, Instrument Person	120.47	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0087	HR	Surveyor, Rod Person	91.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0088	HR	On-Site Certified Materials Testing Technician	96.60	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0089	HR	Certified Industrial Hygienist	132.25	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0090	HR	Firewatch F01, Fireguard F60	25.00	
01 22 20 00-0091	HR	Certified Site Safety Manager	75.00	
01 22 20 00-0092	HR	Certified Site Safety Coordinator	50.00	
01 22 20 00-0093	HR	Qualified Safety Representative	45.00	
01 22 20 00-0094	MI	Mileage For Professional Services (Engineering, Surveying, etc.)	0.70	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		

01 22 20 00-0095 Rates For Project Management Services *(01 22 20)*

Note: Includes subcontracted rates with burden and mark-up

01 22 20 00-0096	HR	Project Manager	215.05	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0097 Rates For Architectural And Engineering Services *(01 22 20)*

01 22 20 00-0098	HR	Principal Architect	273.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0099	HR	Senior Architect	215.05	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0100	HR	Architect	164.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0101	HR	Principal Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	250.47	
01 22 20 00-0102	HR	Senior Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	180.90	
01 22 20 00-0103	HR	Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	144.21	
01 22 20 00-0104	HR	Draft Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	75.90	

01 22 20 00-0105 Rates For Traffic Control *(01 22 20)*

Note: If the trade performing the underlying work performs its own flagging or traffic control, e.g., bridge painters, the flagger or traffic control worker shall receive the same wages as the underlying trade. In the absence of an underlying trade, the flagger or traffic control worker shall receive the wages below.

01 22 20 00-0106	HR	Flagperson For Traffic Control	125.40	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0105 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

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

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	468.19	
		For Four-Wheel Drive, Add	*105.34*	
		For Half Day Usage, Deduct	*-146.31*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,178.03	
		For Four-Wheel Drive, Add	*265.06*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,643.02	
		For Four-Wheel Drive, Add	*594.68*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	687.19	
		For Four-Wheel Drive, Add	*154.62*	
		For Half Day Usage, Deduct	*-214.75*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,638.68	
		For Four-Wheel Drive, Add	*368.70*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,586.96	
		For Four-Wheel Drive, Add	*807.07*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,336.62	
		For Four-Wheel Drive, Add	*300.74*	
		For Half Day Usage, Deduct	*-417.69*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,239.59	
		For Four-Wheel Drive, Add	*728.91*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,796.35	
		For Four-Wheel Drive, Add	*1,529.18*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,902.98	
		For Four-Wheel Drive, Add	*428.17*	
		For Half Day Usage, Deduct	*-594.68*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,582.25	
		For Four-Wheel Drive, Add	*1,031.01*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	11,417.87	
		For Four-Wheel Drive, Add	*2,569.02*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,318.31	
		For Four-Wheel Drive, Add	*521.62*	
		For Half Day Usage, Deduct	*-724.47*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,912.82	
		For Four-Wheel Drive, Add	*1,330.38*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	13,441.67	
		For Four-Wheel Drive, Add	*3,024.38*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	442.70	
		For Half Day Usage, Deduct	*-138.34*	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,110.76	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,672.27	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	563.43	
		For Half Day Usage, Deduct	*-176.07*	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,231.50	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,057.01	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	724.41	
		For Half Day Usage, Deduct	*-226.38*	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,674.19	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,742.78	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,263.69	
		For Half Day Usage, Deduct	*-394.90*	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,978.13	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform		7,242.49	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform		2,454.94	
		For Half Day Usage, Deduct		*-767.17*	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform		5,795.28	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform		14,166.24	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform		442.70	
		For Half Day Usage, Deduct		*-138.34*	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform		1,110.76	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform		2,672.27	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform		442.70	
		For Half Day Usage, Deduct		*-138.34*	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform		1,110.76	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform		2,672.27	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform		547.33	
		For Half Day Usage, Deduct		*-171.04*	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform		1,183.20	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform		2,937.88	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform		547.33	
		For Half Day Usage, Deduct		*-171.04*	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform		1,183.20	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform		2,937.88	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

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

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift		172.45	
		For Half Day Usage, Deduct		*-53.89*	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift		344.89	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift		705.46	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift		188.12	
		For Half Day Usage, Deduct		*-58.79*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift		376.25	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift		752.50	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift		242.99	
		For Half Day Usage, Deduct		*-75.93*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift		485.99	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift		1,042.52	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift		313.54	
		For Half Day Usage, Deduct		*-97.98*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift		619.24	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift		1,371.74	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift		337.06	
		For Half Day Usage, Deduct		*-105.33*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift		658.43	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift		1,489.32	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift		438.96	
		For Half Day Usage, Deduct		*-137.18*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift		1,089.55	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift		3,033.50	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift		406.48	
		For Four-Wheel Drive, Add		*81.30*	
		For Half Day Usage, Deduct		*-127.03*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift		794.90	
		For Four-Wheel Drive, Add		*158.98*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift		1,942.10	
		For Four-Wheel Drive, Add		*388.42*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift		415.52	
		For Four-Wheel Drive, Add		*83.10*	
		For Half Day Usage, Deduct		*-129.85*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift		948.46	
		For Four-Wheel Drive, Add		*189.69*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift		2,077.59	
		For Four-Wheel Drive, Add		*415.52*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift		460.68	
		For Four-Wheel Drive, Add		*92.14*	
		For Half Day Usage, Deduct		*-143.96*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift		1,056.86	
		For Four-Wheel Drive, Add		*211.37*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift		2,348.58	
		For Four-Wheel Drive, Add		*469.72*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift		487.78	
		For Four-Wheel Drive, Add		*97.56*	
		For Half Day Usage, Deduct		*-152.43*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift		1,138.16	
		For Four-Wheel Drive, Add		*227.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,800.23	
		For Four-Wheel Drive, Add	*560.05*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	912.33	
		For Four-Wheel Drive, Add	*182.47*	
		For Half Day Usage, Deduct	*-285.10*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,005.33	
		For Four-Wheel Drive, Add	*401.07*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	4,932.02	
		For Four-Wheel Drive, Add	*986.40*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	124.42	
		For Half Day Usage, Deduct	*-38.88*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	352.54	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	711.99	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	172.81	
		For Half Day Usage, Deduct	*-54.00*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	366.36	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,244.25	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	290.32	
		For Half Day Usage, Deduct	*-90.73*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	705.08	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,059.92	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	311.06	
		For Half Day Usage, Deduct	*-97.21*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	774.20	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,329.51	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	165.90	
		For Half Day Usage, Deduct	*-51.84*	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	331.80	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	663.60	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	165.90	
		For Half Day Usage, Deduct	*-51.84*	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	331.80	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	689.87	

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

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

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,743.93	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-740.91*	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	7,321.77	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	27,978.82	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,832.89	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-768.71*	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	7,607.70	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	28,741.30	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	2,061.63	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-840.20*	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	8,020.71	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	29,630.86	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,569.95	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-999.05*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	9,672.75	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	34,078.66	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,824.11	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-1,078.47*	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	10,562.31	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	37,255.66	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,951.19	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-1,118.18*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	10,943.55	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	37,560.65	
		For Equipment Without Operator, Deduct	*-22,641.46*	

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

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

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	147.35	
		For Half Day Usage, Deduct	*-46.05*	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	442.06	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,227.94	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	176.82	
		For Half Day Usage, Deduct	*-55.26*	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	520.65	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,473.52	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	235.76	
		For Half Day Usage, Deduct	*-73.68*	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	530.47	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,169.00	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	334.00	
		For Half Day Usage, Deduct	*-104.38*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	844.82	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,013.82	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	742.66	
		For Half Day Usage, Deduct	*-232.08*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	1,787.88	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	4,455.94	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	893.94	
		For Half Day Usage, Deduct	*-279.36*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,200.46	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	5,402.92	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	893.94	
		For Half Day Usage, Deduct	*-279.36*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,200.46	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	5,402.92	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,041.29	
		For Half Day Usage, Deduct	*-325.40*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,334.06	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	6,224.17	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,296.70	
		For Half Day Usage, Deduct	*-405.22*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	2,917.58	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	7,780.21	

01 22 23 00-0153 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0154 Pavers And Rollers *(01 22 23 00-0153)*

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

01 22 23 00-0155 Pavers *(01 22 23 00-0154)*

01 22 23 00-0156	DAY	10' Wide Paving Machine With Full-Time Operator	4,819.80	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-1,743.23*	
01 22 23 00-0157	WK	10' Wide Paving Machine With Full-Time Operator	20,543.42	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0158	MO	10' Wide Paving Machine With Full-Time Operator	78,186.35	
		For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0159 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0154)*

01 22 23 00-0160	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,617.13	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-742.40*	
01 22 23 00-0161	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,299.66	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0162	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	30,220.24	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0163	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,841.71	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-812.58*	
01 22 23 00-0164	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,754.16	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0165	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	31,653.24	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0166	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,895.18	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-829.29*	
01 22 23 00-0167	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	8,091.02	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0168	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	32,594.31	
		For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0169 Static Rollers *(01 22 23 00-0154)*

01 22 23 00-0170	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,643.87	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-750.75*	
01 22 23 00-0171	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,529.58	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0172	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	30,974.17	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0173	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,761.50	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-787.51*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0174		WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,850.40	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0175		MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	31,861.77	
			For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0176 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0154)*

01 22 23 00-0177		DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,606.44	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-739.06*	
01 22 23 00-0178		WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,331.74	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0179		MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	30,065.18	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0180		DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,675.95	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-760.78*	
01 22 23 00-0181		WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,534.93	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0182		MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	30,594.53	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0183		DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,814.97	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-804.22*	
01 22 23 00-0184		WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,941.30	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0185		MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	31,669.28	
			For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0186 Steel Roadway Plates *(01 22 23 00-0153)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0187 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0187		EA	Placement And Removal Of Steel Roadway Plates	73.56	
01 22 23 00-0188		DAY	1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0189		WK	1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0190		MO	1" x 4' x 8' Steel Plate	139.47	
01 22 23 00-0191		DAY	1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0192		WK	1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0193		MO	1" x 4' x 10' Steel Plate	164.58	
01 22 23 00-0194		DAY	1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0195		WK	1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0196		MO	1" x 5' x 10' Steel Plate	374.04	
01 22 23 00-0197		DAY	1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0198		WK	1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0199		MO	1" x 6' x 8' Steel Plate	239.39	
01 22 23 00-0200		DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0201		WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0202		MO	1" x 6' x 10' Steel Plate	263.07	
01 22 23 00-0203		DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0204		WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0205		MO	1" x 6' x 12' Steel Plate	362.82	
01 22 23 00-0206		DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0207		WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0208		MO	1" x 8' x 10' Steel Plate	395.24	
01 22 23 00-0209		DAY	1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0210		WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0211		MO	1" x 8' x 12' Steel Plate	718.16	
01 22 23 00-0212		DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0213		WK	1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0214		MO	1" x 8' x 16' Steel Plate	957.54	
01 22 23 00-0215		LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	3.16	1.53
01 22 23 00-0216		EA	Removal And Resetting Of Steel Roadway Plate	40.87	

01 22 23 00-0217 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0218 Skid-Steer Loaders *(01 22 23 00-0217)*

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

01 22 23 00-0219		DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,574.36	
			For Equipment Without Operator, Deduct	*-1,217.06*	
			For Half Day Usage, Deduct	*-720.19*	
01 22 23 00-0220		WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	7,022.65	
			For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0221		MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	28,627.05	
			For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0222		DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,668.55	
			For Equipment Without Operator, Deduct	*-1,217.06*	
			For Half Day Usage, Deduct	*-749.62*	
01 22 23 00-0223		WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	7,193.09	
			For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0224		MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	29,000.80	
			For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0225		DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,695.46	
			For Equipment Without Operator, Deduct	*-1,217.06*	
			For Half Day Usage, Deduct	*-758.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0226	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	7,438.27	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0227	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	29,651.12	
		For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0228	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	299.00	
		For Half Day Usage, Deduct	*-93.44*	
01 22 23 00-0229	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	994.18	
01 22 23 00-0230	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,646.15	
01 22 23 00-0231	DAY	Forklift Attachment For Skid-Steer Loaders	64.28	
		For Half Day Usage, Deduct	*-20.09*	
01 22 23 00-0232	WK	Forklift Attachment For Skid-Steer Loaders	171.92	
01 22 23 00-0233	MO	Forklift Attachment For Skid-Steer Loaders	485.88	
01 22 23 00-0234	DAY	Backhoe Attachment For Skid-Steer Loaders	142.02	
		For Half Day Usage, Deduct	*-44.38*	
01 22 23 00-0235	WK	Backhoe Attachment For Skid-Steer Loaders	340.86	
01 22 23 00-0236	MO	Backhoe Attachment For Skid-Steer Loaders	847.66	
01 22 23 00-0237	DAY	Broom Attachment For Skid-Steer Loaders	140.53	
		For Half Day Usage, Deduct	*-43.92*	
01 22 23 00-0238	WK	Broom Attachment For Skid-Steer Loaders	381.22	
01 22 23 00-0239	MO	Broom Attachment For Skid-Steer Loaders	1,009.12	
01 22 23 00-0240	DAY	Concrete Pump Attachment For Skid-Steer Loaders	299.00	
		For Half Day Usage, Deduct	*-93.44*	
01 22 23 00-0241	WK	Concrete Pump Attachment For Skid-Steer Loaders	994.18	
01 22 23 00-0242	MO	Concrete Pump Attachment For Skid-Steer Loaders	2,646.15	
01 22 23 00-0243	DAY	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	122.59	
		For Half Day Usage, Deduct	*-38.31*	
01 22 23 00-0244	WK	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	337.87	
01 22 23 00-0245	MO	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	922.42	
01 22 23 00-0246	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	33.79	
		For Half Day Usage, Deduct	*-10.56*	
01 22 23 00-0247	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	88.40	
01 22 23 00-0248	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	260.00	
01 22 23 00-0249	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	45.49	
		For Half Day Usage, Deduct	*-14.22*	
01 22 23 00-0250	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	113.10	
01 22 23 00-0251	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	338.00	
01 22 23 00-0252	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	66.29	
		For Half Day Usage, Deduct	*-20.72*	
01 22 23 00-0253	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	201.51	
01 22 23 00-0254	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	598.00	
01 22 23 00-0255	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	13.46	
		For Half Day Usage, Deduct	*-4.21*	
01 22 23 00-0256	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	31.40	
01 22 23 00-0257	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	83.72	

01 22 23 00-0258 Bulldozers *(01 22 23 00-0217)*

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

01 22 23 00-0259	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,674.29	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-760.26*	
01 22 23 00-0260	WK	70 HP, D3 Bulldozer With Full-Time Operator	7,938.19	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0261	MO	70 HP, D3 Bulldozer With Full-Time Operator	32,188.62	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0262	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,867.72	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-820.71*	
01 22 23 00-0263	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	8,719.63	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0264	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	34,587.09	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0265	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,417.04	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-992.37*	
01 22 23 00-0266	WK	140 HP, D6 Bulldozer With Full-Time Operator	10,916.94	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0267	MO	140 HP, D6 Bulldozer With Full-Time Operator	41,163.54	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0268	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,904.47	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-1,144.69*	
01 22 23 00-0269	WK	200 HP, D7 Bulldozer With Full-Time Operator	12,874.40	
		For Equipment Without Operator, Deduct	*-6,321.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0270		MO	200 HP, D7 Bulldozer With Full-Time Operator	47,043.66	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0271		DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,484.75	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-1,326.03*	
01 22 23 00-0272		WK	335 HP, D8 Bulldozer With Full-Time Operator	15,195.50	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0273		MO	335 HP, D8 Bulldozer With Full-Time Operator	54,006.96	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0274		DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,809.70	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-1,427.57*	
01 22 23 00-0275		WK	460 HP, D9 Bulldozer With Full-Time Operator	16,487.58	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0276		MO	460 HP, D9 Bulldozer With Full-Time Operator	57,875.46	
			For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0277 Hydraulic Excavators *(01 22 23 00-0217)*

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

01 22 23 00-0278		DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,645.39	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-751.23*	
01 22 23 00-0279		WK	3/8 CY Hydraulic Excavator With Full-Time Operator	7,669.33	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0280		MO	3/8 CY Hydraulic Excavator With Full-Time Operator	31,909.12	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0281		DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,752.68	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-784.76*	
01 22 23 00-0282		WK	1/2 CY Hydraulic Excavator With Full-Time Operator	8,142.25	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0283		MO	1/2 CY Hydraulic Excavator With Full-Time Operator	33,800.80	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0284		DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,786.56	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-795.34*	
01 22 23 00-0285		WK	5/8 CY Hydraulic Excavator With Full-Time Operator	8,318.72	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0286		MO	5/8 CY Hydraulic Excavator With Full-Time Operator	34,111.37	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0287		DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,821.85	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-806.37*	
01 22 23 00-0288		WK	3/4 CY Hydraulic Excavator With Full-Time Operator	8,481.06	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0289		MO	3/4 CY Hydraulic Excavator With Full-Time Operator	34,421.95	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0290		DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,850.09	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-815.20*	
01 22 23 00-0291		WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	8,650.46	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0292		MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	34,732.52	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0293		DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	2,231.24	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-934.31*	
01 22 23 00-0294		WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	10,168.04	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0295		MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	38,932.33	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0296		DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,287.71	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-951.95*	
01 22 23 00-0297		WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	10,415.09	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0298		MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	39,673.47	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0299		DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,393.59	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-985.04*	
01 22 23 00-0300		WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	10,838.60	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0301		MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	40,944.00	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0302		DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,513.58	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-1,022.54*	
01 22 23 00-0303		WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	11,311.52	
			For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0304		MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	42,355.70	
			For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0305		DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,548.88	
			For Equipment Without Operator, Deduct	*-1,264.23*	
			For Half Day Usage, Deduct	*-1,033.57*	
01 22 23 00-0306		WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	11,452.69	
			For Equipment Without Operator, Deduct	*-6,321.16*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0307	MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	42,779.21	
	For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0308	DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,887.69	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-1,139.45*	
01 22 23 00-0309	WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	12,814.98	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0310	MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	46,873.14	
	For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0311	DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,374.72	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-1,291.64*	
01 22 23 00-0312	WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	14,749.01	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0313	MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	52,661.11	
	For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0314	DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	98.82	
	For Half Day Usage, Deduct	*-30.88*	
01 22 23 00-0315	WK Thumbs Or Grapple Attachment For Hydraulic Excavators	381.16	
01 22 23 00-0316	MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,129.36	
01 22 23 00-0317	DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	437.63	
	For Half Day Usage, Deduct	*-136.76*	
01 22 23 00-0318	WK 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,157.59	
01 22 23 00-0319	MO 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,239.85	
01 22 23 00-0320	DAY 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	677.62	
	For Half Day Usage, Deduct	*-211.76*	
01 22 23 00-0321	WK 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,729.33	
01 22 23 00-0322	MO 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,496.26	
01 22 23 00-0323	DAY 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	945.84	
	For Half Day Usage, Deduct	*-295.58*	
01 22 23 00-0324	WK 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,548.12	
01 22 23 00-0325	MO 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	7,143.20	
01 22 23 00-0326	DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	197.64	
	For Half Day Usage, Deduct	*-61.76*	
01 22 23 00-0327	WK 24" Compaction Wheel Attachment For Hydraulic Excavators	790.55	
01 22 23 00-0328	MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,371.66	
01 22 23 00-0329	DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	282.34	
	For Half Day Usage, Deduct	*-88.23*	
01 22 23 00-0330	WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,129.36	
01 22 23 00-0331	MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,388.08	
01 22 23 00-0332	DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	310.57	
	For Half Day Usage, Deduct	*-97.05*	
01 22 23 00-0333	WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,228.18	
01 22 23 00-0334	MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,670.42	

01 22 23 00-0335 Loader-Backhoes With Standard Bucket *(01 22 23 00-0217)*

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

01 22 23 00-0336	DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,661.86	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-756.37*	
01 22 23 00-0337	WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	7,265.53	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0338	MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	29,614.14	
	For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0339	DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,704.46	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-769.69*	
01 22 23 00-0340	WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	7,414.64	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0341	MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	30,523.00	
	For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0342	DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,770.14	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-790.21*	
01 22 23 00-0343	WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	7,577.95	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0344	MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	30,991.63	
	For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0345	DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	2,063.04	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-881.74*	
01 22 23 00-0346	WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	8,451.31	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0347	MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	33,491.01	
	For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0348 Heavy-Duty Construction Loaders *(01 22 23 00-0217)*

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

01 22 23 00-0349	DAY 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,746.66	
	For Equipment Without Operator, Deduct	*-1,264.23*	
	For Half Day Usage, Deduct	*-782.87*	
01 22 23 00-0350	WK 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,228.61	
	For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0351	MO 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	33,106.62	
	For Equipment Without Operator, Deduct	*-27,391.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0352	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,147.45	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-908.12*	
01 22 23 00-0353	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,666.51	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0354	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	33,329.28	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0355	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,236.51	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-935.95*	
01 22 23 00-0356	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,904.02	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0357	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	33,923.04	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0358	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,481.44	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-1,012.49*	
01 22 23 00-0359	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	9,549.73	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0360	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	35,555.88	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0361	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	3,112.31	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-1,209.64*	
01 22 23 00-0362	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	13,698.63	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0363	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	49,509.24	
		For Equipment Without Operator, Deduct	*-27,391.68*	
01 22 23 00-0364	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,268.55	
		For Equipment Without Operator, Deduct	*-1,264.23*	
		For Half Day Usage, Deduct	*-2,508.47*	
01 22 23 00-0365	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	25,818.55	
		For Equipment Without Operator, Deduct	*-6,321.16*	
01 22 23 00-0366	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	80,527.34	
		For Equipment Without Operator, Deduct	*-27,391.68*	

01 22 23 00-0367 Shoring *(01 22 23 00-0217)*

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

01 22 23 00-0368 Aluminum Hydraulic Shoring *(01 22 23 00-0367)*

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

01 22 23 00-0369	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	119.31	
01 22 23 00-0370	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	351.92	
01 22 23 00-0371	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	160.05	
01 22 23 00-0372	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	472.08	
01 22 23 00-0373	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	296.78	
01 22 23 00-0374	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	875.50	
01 22 23 00-0375	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	39.49	
01 22 23 00-0376	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	63.19	
01 22 23 00-0377	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	105.31	

01 22 23 00-0378 Trench Boxes/Trench Shields *(01 22 23 00-0217)*

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

01 22 23 00-0379	WK	4' x 6' Trench Box With Up To 48" Spreaders	260.32	
01 22 23 00-0380	MO	4' x 6' Trench Box With Up To 48" Spreaders	780.97	
01 22 23 00-0381	WK	6' x 6' Trench Box With Up To 48" Spreaders	293.91	
01 22 23 00-0382	MO	6' x 6' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0383	WK	8' x 6' Trench Box With Up To 48" Spreaders	310.71	
01 22 23 00-0384	MO	8' x 6' Trench Box With Up To 48" Spreaders	932.12	
01 22 23 00-0385	WK	4' x 8' Trench Box With Up To 48" Spreaders	285.52	
01 22 23 00-0386	MO	4' x 8' Trench Box With Up To 48" Spreaders	856.54	
01 22 23 00-0387	WK	6' x 8' Trench Box With Up To 48" Spreaders	335.90	
01 22 23 00-0388	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,007.70	
01 22 23 00-0389	WK	8' x 8' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0390	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,133.66	
01 22 23 00-0391	WK	4' x 10' Trench Box With Up To 48" Spreaders	319.10	
01 22 23 00-0392	MO	4' x 10' Trench Box With Up To 48" Spreaders	957.32	
01 22 23 00-0393	WK	6' x 10' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0394	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,133.66	
01 22 23 00-0395	WK	8' x 10' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0396	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,377.19	
01 22 23 00-0397	WK	4' x 12' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0398	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,133.66	
01 22 23 00-0399	WK	6' x 12' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0400	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,385.59	
01 22 23 00-0401	WK	8' x 12' Trench Box With Up To 48" Spreaders	587.82	
01 22 23 00-0402	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,763.48	
01 22 23 00-0403	WK	4' x 14' Trench Box With Up To 48" Spreaders	419.88	
01 22 23 00-0404	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,259.62	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0405	WK	6' x 14' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0406	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,637.51	
01 22 23 00-0407	WK	8' x 14' Trench Box With Up To 48" Spreaders	671.80	
01 22 23 00-0408	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,015.40	
01 22 23 00-0409	WK	4' x 16' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0410	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,385.59	
01 22 23 00-0411	WK	6' x 16' Trench Box With Up To 48" Spreaders	629.81	
01 22 23 00-0412	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,889.44	
01 22 23 00-0413	WK	8' x 16' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0414	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,267.32	
01 22 23 00-0415	WK	4' x 20' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0416	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,637.51	
01 22 23 00-0417	WK	6' x 20' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0418	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,267.32	
01 22 23 00-0419	WK	8' x 20' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0420	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,645.21	
01 22 23 00-0421	WK	4' x 24' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0422	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,267.32	
01 22 23 00-0423	WK	6' x 24' Trench Box With Up To 48" Spreaders	923.72	
01 22 23 00-0424	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,771.18	
01 22 23 00-0425	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,007.70	
01 22 23 00-0426	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,023.10	
01 22 23 00-0427	WK	For Spreaders >48" To 84", Add	25.19	
01 22 23 00-0428	MO	For Spreaders >48" To 84", Add	75.58	
01 22 23 00-0429	WK	For Spreaders >84" To 120", Add	151.16	
01 22 23 00-0430	MO	For Spreaders >84" To 120", Add	453.46	
01 22 23 00-0431	WK	For Spreaders >120", Add	319.10	
01 22 23 00-0432	MO	For Spreaders >120", Add	957.32	
01 22 23 00-0433	WK	8' x 4' Manhole Box	396.78	
01 22 23 00-0434	MO	8' x 4' Manhole Box	1,190.35	
01 22 23 00-0435	WK	8' x 8' Manhole Box	566.83	
01 22 23 00-0436	MO	8' x 8' Manhole Box	1,700.49	

01 22 23 00-0437 Trenchers *(01 22 23 00-0217)*

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

01 22 23 00-0438	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,598.74	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Half Day Usage, Deduct	*-727.81*	
01 22 23 00-0439	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	7,385.39	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0440	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	29,947.85	
		For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0441	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	2,242.82	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Half Day Usage, Deduct	*-929.08*	
01 22 23 00-0442	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	9,556.19	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0443	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	35,911.60	
		For Equipment Without Operator, Deduct	*-26,369.60*	

01 22 23 00-0444 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0217)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0217 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0445	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.10	
		For Half Day Usage, Deduct	*-7.22*	
01 22 23 00-0446	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.35	
01 22 23 00-0447	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	115.50	
01 22 23 00-0448	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	25.82	
		For Half Day Usage, Deduct	*-8.07*	
01 22 23 00-0449	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.15	
01 22 23 00-0450	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	129.09	
01 22 23 00-0451	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	28.53	
		For Half Day Usage, Deduct	*-8.92*	
01 22 23 00-0452	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	67.94	
01 22 23 00-0453	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	142.67	
01 22 23 00-0454	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	31.25	
		For Half Day Usage, Deduct	*-9.77*	
01 22 23 00-0455	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	74.41	
01 22 23 00-0456	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	156.26	
01 22 23 00-0457	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	24.46	
		For Half Day Usage, Deduct	*-7.64*	
01 22 23 00-0458	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.94	
01 22 23 00-0459	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	122.29	
01 22 23 00-0460	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	28.53	
		For Half Day Usage, Deduct	*-8.92*	
01 22 23 00-0461	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.94	
01 22 23 00-0462	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	142.67	
01 22 23 00-0463	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	33.97	
		For Half Day Usage, Deduct	*-10.62*	
01 22 23 00-0464	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	74.73	
01 22 23 00-0465	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	169.85	
01 22 23 00-0466	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.69	
		For Half Day Usage, Deduct	*-11.47*	
01 22 23 00-0467	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	87.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0468	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	183.44	
01 22 23 00-0469	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.41	
		For Half Day Usage, Deduct	*-12.32*	
01 22 23 00-0470	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	93.82	
01 22 23 00-0471	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	197.03	
01 22 23 00-0472	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	40.76	
		For Half Day Usage, Deduct	*-12.74*	
01 22 23 00-0473	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.06	
01 22 23 00-0474	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	203.82	
01 22 23 00-0475	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.07	
		For Half Day Usage, Deduct	*-4.08*	
01 22 23 00-0476	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.68	
01 22 23 00-0477	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.04	
01 22 23 00-0478	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.63	
		For Half Day Usage, Deduct	*-4.88*	
01 22 23 00-0479	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.07	
01 22 23 00-0480	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	117.20	
01 22 23 00-0481	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.85	
		For Half Day Usage, Deduct	*-5.58*	
01 22 23 00-0482	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.61	
01 22 23 00-0483	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	133.84	
01 22 23 00-0484	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.02	
		For Half Day Usage, Deduct	*-5.94*	
01 22 23 00-0485	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.56	
01 22 23 00-0486	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	142.67	
01 22 23 00-0487	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.74	
		For Half Day Usage, Deduct	*-6.79*	
01 22 23 00-0488	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.35	
01 22 23 00-0489	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	163.06	
01 22 23 00-0490	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.98	
		For Half Day Usage, Deduct	*-7.81*	
01 22 23 00-0491	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.46	
01 22 23 00-0492	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	187.38	
01 22 23 00-0493	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.22	
		For Half Day Usage, Deduct	*-6.01*	
01 22 23 00-0494	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.06	
01 22 23 00-0495	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	144.17	
01 22 23 00-0496	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.03	
		For Half Day Usage, Deduct	*-8.13*	
01 22 23 00-0497	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	65.06	
01 22 23 00-0498	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	195.19	
01 22 23 00-0499	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.50	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-0500	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.25	
01 22 23 00-0501	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	168.76	
01 22 23 00-0502	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.53	
		For Half Day Usage, Deduct	*-11.73*	
01 22 23 00-0503	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	93.82	
01 22 23 00-0504	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	281.46	
01 22 23 00-0505	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00	
		For Half Day Usage, Deduct	*-12.50*	
01 22 23 00-0506	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.01	
01 22 23 00-0507	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	300.02	

01 22 23 00-0508 Electrical Equipment *(01 22 23)*

01 22 23 00-0509 Trailer Mounted Floodlights *(01 22 23 00-0508)*

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

01 22 23 00-0510	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	183.23	
		For Half Day Usage, Deduct	*-57.26*	
01 22 23 00-0511	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	406.29	
01 22 23 00-0512	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	876.32	

01 22 23 00-0513 Tripod Mounted Floodlights *(01 22 23 00-0508)*

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

01 22 23 00-0514	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.33	
		For Half Day Usage, Deduct	*-20.42*	
01 22 23 00-0515	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	154.55	
01 22 23 00-0516	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	326.63	
01 22 23 00-0517	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.33	
		For Half Day Usage, Deduct	*-20.42*	
01 22 23 00-0518	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	191.20	
01 22 23 00-0519	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	565.62	
01 22 23 00-0520	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	73.29	
		For Half Day Usage, Deduct	*-22.90*	
01 22 23 00-0521	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	199.16	
01 22 23 00-0522	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	485.96	

01 22 23 00-0523 Generator Sets *(01 22 23 00-0508)*

01 22 23 00-0524 Portable, Gas Powered Generator Sets *(01 22 23 00-0523)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0636 for reimbursable fuel fees.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0525	DAY	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	56.66	
		For LP Or NG Gas, Add	*7.08*	
		For Half Day Usage, Deduct	*-17.71*	
01 22 23 00-0526	WK	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	204.23	
		For LP Or NG Gas, Add	*25.53*	
01 22 23 00-0527	MO	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	566.57	
		For LP Or NG Gas, Add	*70.82*	
01 22 23 00-0528	DAY	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	80.37	
		For LP Or NG Gas, Add	*10.05*	
		For Half Day Usage, Deduct	*-25.12*	
01 22 23 00-0529	WK	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	256.93	
		For LP Or NG Gas, Add	*32.12*	
01 22 23 00-0530	MO	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	586.33	
		For LP Or NG Gas, Add	*73.29*	
01 22 23 00-0531	DAY	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	102.77	
		For LP Or NG Gas, Add	*12.85*	
		For Half Day Usage, Deduct	*-32.12*	
01 22 23 00-0532	WK	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	276.70	
		For LP Or NG Gas, Add	*34.59*	
01 22 23 00-0533	MO	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	764.21	
		For LP Or NG Gas, Add	*95.53*	
01 22 23 00-0534	DAY	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	114.63	
		For LP Or NG Gas, Add	*14.33*	
		For Half Day Usage, Deduct	*-35.82*	
01 22 23 00-0535	WK	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	309.64	
		For LP Or NG Gas, Add	*38.71*	
01 22 23 00-0536	MO	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	889.38	
		For LP Or NG Gas, Add	*111.17*	
01 22 23 00-0537	DAY	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.70 gallons per hour	209.89	
		For LP Or NG Gas, Add	*26.24*	
		For Half Day Usage, Deduct	*-65.59*	
01 22 23 00-0538	WK	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	596.27	
		For LP Or NG Gas, Add	*74.53*	
01 22 23 00-0539	MO	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	1,287.95	
		For LP Or NG Gas, Add	*160.99*	
		For >6 Months (>26 Weeks), Deduct	*-51.52*	

01 22 23 00-0540 Towable, Diesel Powered Generator Sets *(01 22 23 00-0523)*

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1,000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0636 for reimbursable fuel fees.

01 22 23 00-0541	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	235.85	
		For >8 To 16 Hours Usage Per Day, Add	*94.34*	
		For >16 To 24 Hours Usage Per Day, Add	*188.68*	
01 22 23 00-0542	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	616.64	
		For >40 To 80 Hours Usage Per Week, Add	*246.66*	
		For >80 Hours Usage Per Week, Add	*493.31*	
01 22 23 00-0543	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,679.94	
		For >160 To 320 Hours Usage Per Month, Add	*671.98*	
		For >320 Hours Usage Per Month, Add	*1,343.95*	
01 22 23 00-0544	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	392.30	
		For >8 To 16 Hours Usage Per Day, Add	*156.92*	
		For >16 To 24 Hours Usage Per Day, Add	*313.84*	
01 22 23 00-0545	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,164.26	
		For >40 To 80 Hours Usage Per Week, Add	*465.70*	
		For >80 Hours Usage Per Week, Add	*931.41*	
01 22 23 00-0546	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,404.45	
		For >160 To 320 Hours Usage Per Month, Add	*961.78*	
		For >320 Hours Usage Per Month, Add	*1,923.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0547	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	430.27	
		For >8 To 16 Hours Usage Per Day, Add	*172.11*	
		For >16 To 24 Hours Usage Per Day, Add	*344.22*	
01 22 23 00-0548	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,202.22	
		For >40 To 80 Hours Usage Per Week, Add	*480.89*	
		For >80 Hours Usage Per Week, Add	*961.78*	
01 22 23 00-0549	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,657.55	
		For >160 To 320 Hours Usage Per Month, Add	*1,063.02*	
		For >320 Hours Usage Per Month, Add	*2,126.04*	
01 22 23 00-0550	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	461.91	
		For >8 To 16 Hours Usage Per Day, Add	*184.76*	
		For >16 To 24 Hours Usage Per Day, Add	*369.53*	
01 22 23 00-0551	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,265.50	
		For >40 To 80 Hours Usage Per Week, Add	*506.20*	
		For >80 Hours Usage Per Week, Add	*1,012.40*	
01 22 23 00-0552	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	3,037.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,214.88*	
		For >320 Hours Usage Per Month, Add	*2,429.76*	
01 22 23 00-0553	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	506.20	
		For >8 To 16 Hours Usage Per Day, Add	*202.48*	
		For >16 To 24 Hours Usage Per Day, Add	*404.96*	
01 22 23 00-0554	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,436.34	
		For >40 To 80 Hours Usage Per Week, Add	*574.54*	
		For >80 Hours Usage Per Week, Add	*1,149.07*	
01 22 23 00-0555	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,416.85	
		For >160 To 320 Hours Usage Per Month, Add	*1,366.74*	
		For >320 Hours Usage Per Month, Add	*2,733.48*	
01 22 23 00-0556	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	569.48	
		For >8 To 16 Hours Usage Per Day, Add	*227.79*	
		For >16 To 24 Hours Usage Per Day, Add	*455.58*	
01 22 23 00-0557	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,518.60	
		For >40 To 80 Hours Usage Per Week, Add	*607.44*	
		For >80 Hours Usage Per Week, Add	*1,214.88*	
01 22 23 00-0558	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,796.50	
		For >160 To 320 Hours Usage Per Month, Add	*1,518.60*	
		For >320 Hours Usage Per Month, Add	*3,037.20*	
01 22 23 00-0559	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	588.46	
		For >8 To 16 Hours Usage Per Day, Add	*235.38*	
		For >16 To 24 Hours Usage Per Day, Add	*470.77*	
01 22 23 00-0560	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,581.88	
		For >40 To 80 Hours Usage Per Week, Add	*632.75*	
		For >80 Hours Usage Per Week, Add	*1,265.50*	
01 22 23 00-0561	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,302.70	
		For >160 To 320 Hours Usage Per Month, Add	*1,721.08*	
		For >320 Hours Usage Per Month, Add	*3,442.16*	
01 22 23 00-0562	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	664.39	
		For >8 To 16 Hours Usage Per Day, Add	*265.76*	
		For >16 To 24 Hours Usage Per Day, Add	*531.51*	
01 22 23 00-0563	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,834.98	
		For >40 To 80 Hours Usage Per Week, Add	*733.99*	
		For >80 Hours Usage Per Week, Add	*1,467.98*	
01 22 23 00-0564	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,935.45	
		For >160 To 320 Hours Usage Per Month, Add	*1,974.18*	
		For >320 Hours Usage Per Month, Add	*3,948.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0565	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	696.02	
		For >8 To 16 Hours Usage Per Day, Add	*278.41*	
		For >16 To 24 Hours Usage Per Day, Add	*556.82*	
01 22 23 00-0566	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,929.89	
		For >40 To 80 Hours Usage Per Week, Add	*771.96*	
		For >80 Hours Usage Per Week, Add	*1,543.91*	
01 22 23 00-0567	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,441.65	
		For >160 To 320 Hours Usage Per Month, Add	*2,176.66*	
		For >320 Hours Usage Per Month, Add	*4,353.32*	
01 22 23 00-0568	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	727.66	
		For >8 To 16 Hours Usage Per Day, Add	*291.06*	
		For >16 To 24 Hours Usage Per Day, Add	*582.13*	
01 22 23 00-0569	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	2,088.08	
		For >40 To 80 Hours Usage Per Week, Add	*835.23*	
		For >80 Hours Usage Per Week, Add	*1,670.46*	
01 22 23 00-0570	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,694.75	
		For >160 To 320 Hours Usage Per Month, Add	*2,277.90*	
		For >320 Hours Usage Per Month, Add	*4,555.80*	
01 22 23 00-0571	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	759.30	
		For >8 To 16 Hours Usage Per Day, Add	*303.72*	
		For >16 To 24 Hours Usage Per Day, Add	*607.44*	
01 22 23 00-0572	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,214.62	
		For >40 To 80 Hours Usage Per Week, Add	*885.85*	
		For >80 Hours Usage Per Week, Add	*1,771.70*	
01 22 23 00-0573	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,947.85	
		For >160 To 320 Hours Usage Per Month, Add	*2,379.14*	
		For >320 Hours Usage Per Month, Add	*4,758.28*	
01 22 23 00-0574	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	759.30	
		For >8 To 16 Hours Usage Per Day, Add	*303.72*	
		For >16 To 24 Hours Usage Per Day, Add	*607.44*	
01 22 23 00-0575	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,214.62	
		For >40 To 80 Hours Usage Per Week, Add	*885.85*	
		For >80 Hours Usage Per Week, Add	*1,771.70*	
01 22 23 00-0576	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,947.85	
		For >160 To 320 Hours Usage Per Month, Add	*2,379.14*	
		For >320 Hours Usage Per Month, Add	*4,758.28*	
01 22 23 00-0577	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	1,044.04	
		For >8 To 16 Hours Usage Per Day, Add	*417.62*	
		For >16 To 24 Hours Usage Per Day, Add	*835.23*	
01 22 23 00-0578	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,594.28	
		For >40 To 80 Hours Usage Per Week, Add	*1,037.71*	
		For >80 Hours Usage Per Week, Add	*2,075.42*	
01 22 23 00-0579	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,593.00	
		For >160 To 320 Hours Usage Per Month, Add	*3,037.20*	
		For >320 Hours Usage Per Month, Add	*6,074.40*	
01 22 23 00-0580	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,107.31	
		For >8 To 16 Hours Usage Per Day, Add	*442.92*	
		For >16 To 24 Hours Usage Per Day, Add	*885.85*	
01 22 23 00-0581	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,657.55	
		For >40 To 80 Hours Usage Per Week, Add	*1,063.02*	
		For >80 Hours Usage Per Week, Add	*2,126.04*	
01 22 23 00-0582	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,846.10	
		For >160 To 320 Hours Usage Per Month, Add	*3,138.44*	
		For >320 Hours Usage Per Month, Add	*6,276.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0583	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,170.59	
		For >8 To 16 Hours Usage Per Day, Add	*468.24*	
		For >16 To 24 Hours Usage Per Day, Add	*936.47*	
01 22 23 00-0584	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,720.82	
		For >40 To 80 Hours Usage Per Week, Add	*1,088.33*	
		For >80 Hours Usage Per Week, Add	*2,176.66*	
01 22 23 00-0585	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	8,099.20	
		For >160 To 320 Hours Usage Per Month, Add	*3,239.68*	
		For >320 Hours Usage Per Month, Add	*6,479.36*	
01 22 23 00-0586	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,208.55	
		For >8 To 16 Hours Usage Per Day, Add	*483.42*	
		For >16 To 24 Hours Usage Per Day, Add	*966.84*	
01 22 23 00-0587	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,910.65	
		For >40 To 80 Hours Usage Per Week, Add	*1,164.26*	
		For >80 Hours Usage Per Week, Add	*2,328.52*	
01 22 23 00-0588	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,605.40	
		For >160 To 320 Hours Usage Per Month, Add	*3,442.16*	
		For >320 Hours Usage Per Month, Add	*6,884.32*	
01 22 23 00-0589	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,265.50	
		For >8 To 16 Hours Usage Per Day, Add	*506.20*	
		For >16 To 24 Hours Usage Per Day, Add	*1,012.40*	
01 22 23 00-0590	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,290.30	
		For >40 To 80 Hours Usage Per Week, Add	*1,316.12*	
		For >80 Hours Usage Per Week, Add	*2,632.24*	
01 22 23 00-0591	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,491.25	
		For >160 To 320 Hours Usage Per Month, Add	*3,796.50*	
		For >320 Hours Usage Per Month, Add	*7,593.00*	
01 22 23 00-0592	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,038.96	
		For >8 To 16 Hours Usage Per Day, Add	*815.58*	
		For >16 To 24 Hours Usage Per Day, Add	*1,631.17*	
01 22 23 00-0593	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,271.67	
		For >40 To 80 Hours Usage Per Week, Add	*2,108.67*	
		For >80 Hours Usage Per Week, Add	*4,217.34*	
01 22 23 00-0594	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	13,941.60	
		For >160 To 320 Hours Usage Per Month, Add	*5,576.64*	
		For >320 Hours Usage Per Month, Add	*11,153.28*	
01 22 23 00-0595	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,614.05	
		For >8 To 16 Hours Usage Per Day, Add	*1,045.62*	
		For >16 To 24 Hours Usage Per Day, Add	*2,091.24*	
01 22 23 00-0596	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	6,796.53	
		For >40 To 80 Hours Usage Per Week, Add	*2,718.61*	
		For >80 Hours Usage Per Week, Add	*5,437.22*	
01 22 23 00-0597	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	15,684.30	
		For >160 To 320 Hours Usage Per Month, Add	*6,273.72*	
		For >320 Hours Usage Per Month, Add	*12,547.44*	
01 22 23 00-0598	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,232.71	
		For >8 To 16 Hours Usage Per Day, Add	*1,293.08*	
		For >16 To 24 Hours Usage Per Day, Add	*2,586.17*	
01 22 23 00-0599	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	8,539.23	
		For >40 To 80 Hours Usage Per Week, Add	*3,415.69*	
		For >80 Hours Usage Per Week, Add	*6,831.38*	
01 22 23 00-0600	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	20,912.40	
		For >160 To 320 Hours Usage Per Month, Add	*8,364.96*	
		For >320 Hours Usage Per Month, Add	*16,729.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0601	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,494.11	
		For >8 To 16 Hours Usage Per Day, Add	*1,397.64*	
		For >16 To 24 Hours Usage Per Day, Add	*2,795.29*	
01 22 23 00-0602	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,051.27	
		For >40 To 80 Hours Usage Per Week, Add	*3,220.51*	
		For >80 Hours Usage Per Week, Add	*6,441.02*	
01 22 23 00-0603	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	24,153.82	
		For >160 To 320 Hours Usage Per Month, Add	*9,661.53*	
		For >320 Hours Usage Per Month, Add	*19,323.06*	
01 22 23 00-0604	EA	Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,076.57	
01 22 23 00-0605	EA	Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,475.65	
01 22 23 00-0606	EA	Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,925.35	
01 22 23 00-0607	EA	Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,460.70	
01 22 23 00-0608		**Cabling For Generator Sets** *(01 22 23 00-0523)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0609	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	27.84	
		For Half Day Usage, Deduct	*-8.70*	
01 22 23 00-0610	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	48.72	
01 22 23 00-0611	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	146.17	
01 22 23 00-0612	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.92	
		For Half Day Usage, Deduct	*-4.35*	
01 22 23 00-0613	WK	50', 4/0 Cable With Camlock Ends For Generator Set	40.50	
01 22 23 00-0614	MO	50', 4/0 Cable With Camlock Ends For Generator Set	112.63	
01 22 23 00-0615		**Resistive Loadbanks For Generator Sets** *(01 22 23 00-0523)* Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0636 for reimbursable fuel fees.		
01 22 23 00-0616	DAY	100 KW A/C Resistive Loadbank	371.52	
01 22 23 00-0617	WK	100 KW A/C Resistive Loadbank	706.62	
01 22 23 00-0618	MO	100 KW A/C Resistive Loadbank	1,930.46	
01 22 23 00-0619	DAY	650 KW A/C Resistive Loadbank	694.04	
01 22 23 00-0620	WK	650 KW A/C Resistive Loadbank	1,856.04	
01 22 23 00-0621	MO	650 KW A/C Resistive Loadbank	4,732.10	
01 22 23 00-0622		**Sub-Distribution Panels (Spider Box) For Generator Sets** *(01 22 23 00-0523)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0623	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	68.34	
		For Half Day Usage, Deduct	*-21.36*	
01 22 23 00-0624	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	177.17	
01 22 23 00-0625	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	499.87	
01 22 23 00-0626		**Portable Distribution Panels For Generator Sets** *(01 22 23 00-0523)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0627	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	151.86	
		For Half Day Usage, Deduct	*-47.46*	
01 22 23 00-0628	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	411.29	
01 22 23 00-0629	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,151.60	
01 22 23 00-0630	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	124.02	
		For Half Day Usage, Deduct	*-38.76*	
01 22 23 00-0631	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	322.70	
01 22 23 00-0632	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	917.49	
01 22 23 00-0633	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	158.19	
		For Half Day Usage, Deduct	*-49.43*	
01 22 23 00-0634	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	398.63	
01 22 23 00-0635	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,082.00	
01 22 23 00-0636		**Fuel Reimbursement For Generators** *(01 22 23 00-0523)*		
01 22 23 00-0637	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0638		**Welding Machines** *(01 22 23 00-0508)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0639		**CC/CV Inverter Welder** *(01 22 23 00-0638)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0636 for reimbursable fuel fees.		
01 22 23 00-0640	DAY	250 Amperes, CC Inverter Welder	43.42	
		For Half Day Usage, Deduct	*-13.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0641	WK	250 Amperes, CC Inverter Welder	94.60	
01 22 23 00-0642	MO	250 Amperes, CC Inverter Welder	286.90	
01 22 23 00-0643	DAY	300 Amperes, CC/CV Inverter Welder	49.63	
		For Half Day Usage, Deduct	*-15.51*	
01 22 23 00-0644	WK	300 Amperes, CC/CV Inverter Welder	131.82	
01 22 23 00-0645	MO	300 Amperes, CC/CV Inverter Welder	348.93	
01 22 23 00-0646	DAY	350 Amperes, CC/CV Inverter Welder	51.18	
		For Half Day Usage, Deduct	*-15.99*	
01 22 23 00-0647	WK	350 Amperes, CC/CV Inverter Welder	134.92	
01 22 23 00-0648	MO	350 Amperes, CC/CV Inverter Welder	379.95	

01 22 23 00-0649 MIG Welder *(01 22 23 00-0638)*

Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0636 for reimbursable fuel fees.

01 22 23 00-0650	DAY	115 Volt MIG Welder	74.44	
		For Half Day Usage, Deduct	*-23.26*	
01 22 23 00-0651	WK	115 Volt MIG Welder	193.85	
01 22 23 00-0652	MO	115 Volt MIG Welder	527.27	

01 22 23 00-0653 Diesel Powered Towable Welding Machines *(01 22 23 00-0638)*

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

01 22 23 00-0654	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	139.57	
		For Half Day Usage, Deduct	*-43.62*	
01 22 23 00-0655	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	341.18	
01 22 23 00-0656	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	814.17	
01 22 23 00-0657	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	186.10	
		For Half Day Usage, Deduct	*-58.16*	
01 22 23 00-0658	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	364.44	
01 22 23 00-0659	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	851.39	
01 22 23 00-0660	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	193.85	
		For Half Day Usage, Deduct	*-60.58*	
01 22 23 00-0661	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	387.70	
01 22 23 00-0662	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	945.99	

01 22 23 00-0663 Portable Floor Drying Fans *(01 22 23 00-0508)*

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

01 22 23 00-0664	DAY	2,250 CFM Portable Floor Drying Fan	23.75	
		For Half Day Usage, Deduct	*-7.42*	
01 22 23 00-0665	WK	2,250 CFM Portable Floor Drying Fan	109.86	
01 22 23 00-0666	MO	2,250 CFM Portable Floor Drying Fan	363.73	

01 22 23 00-0667 Portable Fume Extractors *(01 22 23 00-0508)*

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

01 22 23 00-0668	DAY	Portable Fume Extractor	26.66	
		For Half Day Usage, Deduct	*-8.33*	
01 22 23 00-0669	WK	Portable Fume Extractor	79.97	

01 22 23 00-0670 General Equipment *(01 22 23)*

01 22 23 00-0671 Jacks And Bracing *(01 22 23 00-0670)*

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

01 22 23 00-0672 Manual Hydraulic Jacks *(01 22 23 00-0671)*

01 22 23 00-0673	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0674	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0675	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
01 22 23 00-0676	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0677	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0678	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
01 22 23 00-0679	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0680	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0681	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
01 22 23 00-0682	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0683	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0684	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	

01 22 23 00-0685 Manual Screw Jacks *(01 22 23 00-0671)*

01 22 23 00-0686	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0687	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0688	MO	10 To 20 Ton Manual Screw Jack	152.12	

01 22 23 00-0689 Shores/Braces *(01 22 23 00-0671)*

01 22 23 00-0690	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0691	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0692	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0693	MO	Up To 10' Height, Adjustable Wood Shoring	6.21	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0694	MO	>10' To 16' Height, Adjustable Wood Shoring	8.28	
01 22 23 00-0695	EA	Erect And Strip Shores To 10'	15.80	
		For >20 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-5.53*	
		For >100, Deduct	*-8.69*	
01 22 23 00-0696	EA	Erect And Strip Shores To 13'	18.96	
		For >20 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-6.64*	
		For >100, Deduct	*-10.43*	
01 22 23 00-0697	EA	Erect And Strip Shores To 16'	22.11	
		For >20 To 50, Deduct	*-3.32*	
		For >50 To 100, Deduct	*-7.74*	
		For >100, Deduct	*-12.16*	

01 22 23 00-0698 Pressure Washers *(01 22 23 00-0670)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0699	DAY	2,000 PSI Pressure Washer With Full-Time Operator	1,111.04	
		For Equipment Without Operator, Deduct	*-1,003.22*	
		For Half Day Usage, Deduct	*-535.30*	
01 22 23 00-0700	WK	2,000 PSI Pressure Washer With Full-Time Operator	5,289.79	
		For Equipment Without Operator, Deduct	*-5,016.09*	
01 22 23 00-0701	MO	2,000 PSI Pressure Washer With Full-Time Operator	22,433.08	
		For Equipment Without Operator, Deduct	*-21,736.38*	
01 22 23 00-0702	DAY	2,500 PSI Pressure Washer With Full-Time Operator	1,111.04	
		For Equipment Without Operator, Deduct	*-1,003.22*	
		For Half Day Usage, Deduct	*-535.30*	
01 22 23 00-0703	WK	2,500 PSI Pressure Washer With Full-Time Operator	5,289.79	
		For Equipment Without Operator, Deduct	*-5,016.09*	
01 22 23 00-0704	MO	2,500 PSI Pressure Washer With Full-Time Operator	22,433.08	
		For Equipment Without Operator, Deduct	*-21,736.38*	
01 22 23 00-0705	DAY	3,000 PSI Pressure Washer With Full-Time Operator	1,111.04	
		For Equipment Without Operator, Deduct	*-1,003.22*	
		For Half Day Usage, Deduct	*-535.30*	
01 22 23 00-0706	WK	3,000 PSI Pressure Washer With Full-Time Operator	5,289.79	
		For Equipment Without Operator, Deduct	*-5,016.09*	
01 22 23 00-0707	MO	3,000 PSI Pressure Washer With Full-Time Operator	22,433.08	
		For Equipment Without Operator, Deduct	*-21,736.38*	
01 22 23 00-0708	DAY	3,500 PSI Pressure Washer With Full-Time Operator	1,119.34	
		For Equipment Without Operator, Deduct	*-1,003.22*	
		For Half Day Usage, Deduct	*-537.90*	
01 22 23 00-0709	WK	3,500 PSI Pressure Washer With Full-Time Operator	5,314.67	
		For Equipment Without Operator, Deduct	*-5,016.09*	
01 22 23 00-0710	MO	3,500 PSI Pressure Washer With Full-Time Operator	22,499.43	
		For Equipment Without Operator, Deduct	*-21,736.38*	
01 22 23 00-0711	DAY	4,000 PSI Pressure Washer With Full-Time Operator	1,152.51	
		For Equipment Without Operator, Deduct	*-1,003.22*	
		For Half Day Usage, Deduct	*-548.26*	
01 22 23 00-0712	WK	4,000 PSI Pressure Washer With Full-Time Operator	5,422.50	
		For Equipment Without Operator, Deduct	*-5,016.09*	
01 22 23 00-0713	MO	4,000 PSI Pressure Washer With Full-Time Operator	22,872.66	
		For Equipment Without Operator, Deduct	*-21,736.38*	
01 22 23 00-0714	DAY	5,000 PSI Pressure Washer With Full-Time Operator	1,169.10	
		For Equipment Without Operator, Deduct	*-1,003.22*	
		For Half Day Usage, Deduct	*-553.45*	
01 22 23 00-0715	WK	5,000 PSI Pressure Washer With Full-Time Operator	5,463.97	
		For Equipment Without Operator, Deduct	*-5,016.09*	
01 22 23 00-0716	MO	5,000 PSI Pressure Washer With Full-Time Operator	22,997.07	
		For Equipment Without Operator, Deduct	*-21,736.38*	

01 22 23 00-0717 Confined Space Entry Equipment *(01 22 23 00-0670)*

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

01 22 23 00-0718	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	41.47	
		For Half Day Usage, Deduct	*-12.96*	
01 22 23 00-0719	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	124.40	
01 22 23 00-0720	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	371.22	
01 22 23 00-0721	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	66.13	
		For Half Day Usage, Deduct	*-20.67*	
01 22 23 00-0722	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0723	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	595.14	
01 22 23 00-0724	DAY	Confined Space Air Monitor Personnel Note: Per person day.	1,003.22	
		For Half Day Usage, Deduct	*-501.61*	

01 22 23 00-0725 Ground Thaw Mobile Equipment And Blankets *(01 22 23 00-0670)*

Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.

01 22 23 00-0726	DAY	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	857.57	
		For Half Day Usage, Deduct	*-274.22*	
01 22 23 00-0727	WK	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	2,837.21	
01 22 23 00-0728	MO	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	10,040.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0729	DAY	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	1,598.86	
		For Half Day Usage, Deduct	*-505.87*	
01 22 23 00-0730	WK	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	4,213.28	
01 22 23 00-0731	MO	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	10,756.63	
01 22 23 00-0732	DAY	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	1,950.34	
		For Half Day Usage, Deduct	*-615.71*	
01 22 23 00-0733	WK	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	5,278.36	
01 22 23 00-0734	MO	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	11,601.91	
01 22 23 00-0735	DAY	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	2,444.14	
		For Half Day Usage, Deduct	*-770.02*	
01 22 23 00-0736	WK	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	5,746.99	
01 22 23 00-0737	MO	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 To 12,000 SF concrete curing area.	15,229.94	
01 22 23 00-0738	DAY	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	3,058.01	
		For Half Day Usage, Deduct	*-961.85*	
01 22 23 00-0739	WK	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	7,293.48	
01 22 23 00-0740	MO	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	16,510.16	
01 22 23 00-0741	CSF	Place Hoses And Blankets Over Area Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.	50.55	

01 22 23 00-0742 Direct Fired Space Heaters *(01 22 23 00-0670)*

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

01 22 23 00-0743	DAY	150,000 BTU/Hour Space Heater	66.77	
		For Half Day Usage, Deduct	*-20.87*	
01 22 23 00-0744	WK	150,000 BTU/Hour Space Heater	191.96	
01 22 23 00-0745	MO	150,000 BTU/Hour Space Heater	542.49	
01 22 23 00-0746	DAY	500,000 BTU/Hour Space Heater	141.88	
		For Half Day Usage, Deduct	*-44.34*	
01 22 23 00-0747	WK	500,000 BTU/Hour Space Heater	350.53	
01 22 23 00-0748	MO	500,000 BTU/Hour Space Heater	886.35	

01 22 23 00-0749 Material Handling Equipment *(01 22 23)*

01 22 23 00-0750 Truck Mounted Hydraulic Cranes *(01 22 23 00-0749)*

Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-0751	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,780.87	
		For Equipment Without Operator, Deduct	*-1,292.60*	
		For Half Day Usage, Deduct	*-798.88*	
01 22 23 00-0752	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,942.20	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0753	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	32,458.32	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0754	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,910.12	
		For Equipment Without Operator, Deduct	*-1,292.60*	
		For Half Day Usage, Deduct	*-839.28*	
01 22 23 00-0755	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,326.36	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0756	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,607.20	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0757	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,039.37	
		For Equipment Without Operator, Deduct	*-1,292.60*	
		For Half Day Usage, Deduct	*-879.67*	
01 22 23 00-0758	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,710.52	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0759	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,756.08	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0760	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,211.70	
		For Equipment Without Operator, Deduct	*-1,292.60*	
		For Half Day Usage, Deduct	*-933.52*	
01 22 23 00-0761	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,227.51	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0762	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	36,299.89	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0763	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,369.68	
		For Equipment Without Operator, Deduct	*-1,292.60*	
		For Half Day Usage, Deduct	*-982.89*	
01 22 23 00-0764	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,297.41	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0765	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,506.70	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0766	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,743.06	
		For Equipment Without Operator, Deduct	*-1,292.60*	
		For Half Day Usage, Deduct	*-1,099.57*	
01 22 23 00-0767	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,632.98	
		For Equipment Without Operator, Deduct	*-6,463.02*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0768	MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,516.29	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0769	DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,980.02	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,173.62*	
01 22 23 00-0770	WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,465.92	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0771	MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,020.85	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0772	DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,166.71	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,231.96*	
01 22 23 00-0773	WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,140.88	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0774	MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,042.88	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0775	DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,353.40	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,290.30*	
01 22 23 00-0776	WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,815.85	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0777	MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	50,064.91	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0778	DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,475.47	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,328.45*	
01 22 23 00-0779	WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,232.32	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0780	MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	51,328.67	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0781	DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,640.62	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,380.06*	
01 22 23 00-0782	WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,849.84	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0783	MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,166.88	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0784	DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,171.98	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,546.11*	
01 22 23 00-0785	WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,540.85	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0786	MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	58,239.91	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0787	DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,538.19	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,660.55*	
01 22 23 00-0788	WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	17,822.57	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0789	MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	62,085.06	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0790	DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,198.79	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-1,866.98*	
01 22 23 00-0791	WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,134.69	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0792	MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	69,021.43	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0793	DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,658.34	
	For Equipment Without Operator, Deduct	*-1,292.60*	
	For Half Day Usage, Deduct	*-2,010.59*	
01 22 23 00-0794	WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	21,743.12	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0795	MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	73,846.72	
	For Equipment Without Operator, Deduct	*-28,006.41*	

01 22 23 00-0796 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0749)*

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

01 22 23 00-0797	DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,015.92	
	For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0798	WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,609.53	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0799	MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	46,445.93	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0800	DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,344.31	
	For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0801	WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	14,821.12	
	For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0802	MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	53,080.72	
	For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0803	DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,559.73	
	For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0804	WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,393.65	
	For Equipment Without Operator, Deduct	*-6,463.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0805	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	57,796.87	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0806	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,990.56	
		For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0807	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	17,966.18	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0808	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	62,507.28	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0809	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,195.20	
		For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0810	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,538.71	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0811	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	67,229.17	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0812	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,399.85	
		For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0813	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	21,111.24	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0814	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	71,951.07	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0815	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	6,074.81	
		For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0816	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	23,531.07	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0817	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	79,200.50	
		For Equipment Without Operator, Deduct	*-28,006.41*	
01 22 23 00-0818	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	10,225.14	
		For Equipment Without Operator, Deduct	*-1,292.60*	
01 22 23 00-0819	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	38,322.90	
		For Equipment Without Operator, Deduct	*-6,463.02*	
01 22 23 00-0820	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	123,593.23	
		For Equipment Without Operator, Deduct	*-28,006.41*	

01 22 23 00-0821 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0749)*

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

01 22 23 00-0822	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,889.36	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Half Day Usage, Deduct	*-818.62*	
01 22 23 00-0823	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,730.65	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0824	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	29,908.00	
		For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0825	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,960.12	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Half Day Usage, Deduct	*-840.74*	
01 22 23 00-0826	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,889.87	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0827	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	30,261.84	
		For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0828	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,942.43	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Half Day Usage, Deduct	*-835.21*	
01 22 23 00-0829	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,969.49	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0830	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	30,792.60	
		For Equipment Without Operator, Deduct	*-26,369.60*	
01 22 23 00-0831	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	2,145.89	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Half Day Usage, Deduct	*-898.79*	
01 22 23 00-0832	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	8,500.25	
		For Equipment Without Operator, Deduct	*-6,085.29*	
01 22 23 00-0833	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	32,031.04	
		For Equipment Without Operator, Deduct	*-26,369.60*	

01 22 23 00-0834 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0749)*

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

01 22 23 00-0835	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,654.05	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*87.40*	
		For Half Day Usage, Deduct	*-745.09*	
01 22 23 00-0836	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	7,278.62	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*238.67*	
01 22 23 00-0837	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	29,100.80	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*546.24*	
01 22 23 00-0838	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,677.05	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*92.00*	
		For Half Day Usage, Deduct	*-752.28*	
01 22 23 00-0839	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	7,341.42	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*251.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0840	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	29,244.55	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*574.99*	
01 22 23 00-0841	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,800.90	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*116.77*	
		For Half Day Usage, Deduct	*-790.98*	
01 22 23 00-0842	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	7,686.42	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*320.23*	
01 22 23 00-0843	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	30,040.69	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*734.22*	
01 22 23 00-0844	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,869.10	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*130.41*	
		For Half Day Usage, Deduct	*-812.29*	
01 22 23 00-0845	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	7,656.87	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*314.32*	
01 22 23 00-0846	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	30,281.83	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*782.45*	

01 22 23 00-0847 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0749)*

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

01 22 23 00-0848	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,588.59	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*74.31*	
		For Half Day Usage, Deduct	*-724.63*	
01 22 23 00-0849	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,934.51	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*169.84*	
01 22 23 00-0850	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	28,404.18	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*406.92*	
01 22 23 00-0851	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,597.44	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*76.08*	
		For Half Day Usage, Deduct	*-727.40*	
01 22 23 00-0852	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,961.04	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*175.15*	
01 22 23 00-0853	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	28,466.10	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*419.30*	
01 22 23 00-0854	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,783.20	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*113.23*	
		For Half Day Usage, Deduct	*-785.45*	
01 22 23 00-0855	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	7,367.96	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*256.53*	
01 22 23 00-0856	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	29,465.70	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*619.22*	
01 22 23 00-0857	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,800.90	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*116.77*	
		For Half Day Usage, Deduct	*-790.98*	
01 22 23 00-0858	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	7,518.34	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*286.61*	
01 22 23 00-0859	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	29,996.46	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*725.37*	
01 22 23 00-0860	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,960.12	
		For Equipment Without Operator, Deduct	*-1,217.06*	
		For Propane Instead Of Gas Or Diesel, Add	*148.61*	
		For Half Day Usage, Deduct	*-840.74*	
01 22 23 00-0861	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	7,774.88	
		For Equipment Without Operator, Deduct	*-6,085.29*	
		For Propane Instead Of Gas Or Diesel, Add	*337.92*	
01 22 23 00-0862	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	30,438.76	
		For Equipment Without Operator, Deduct	*-26,369.60*	
		For Propane Instead Of Gas Or Diesel, Add	*813.83*	

01 22 23 00-0863 Chain Hoists *(01 22 23 00-0749)*

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

01 22 23 00-0864	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-0865	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-0866	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
01 22 23 00-0867	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-0868	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-0869	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0870		DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
			For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-0871		WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-0872		MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
01 22 23 00-0873		DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
			For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-0874		WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-0875		MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
01 22 23 00-0876		DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
			For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-0877		WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-0878		MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
01 22 23 00-0879		DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
			For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-0880		WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-0881		MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	

01 22 23 00-0882 Roof Mounted Hoists *(01 22 23 00-0749)*

01 22 23 00-0883		MO	1,000 Lb. Capacity, Single Line Operation, Roof Mounted, Bi-Directional Hydraulic Swing Hoist (Reimann & Georger Electric HS-2000) Note: Left or right swing.	3,853.18
01 22 23 00-0884		MO	2,000 Lb. Capacity, Double Line Operation, Roof Mounted, Bi-Directional Hydraulic Swing Hoist (Reimann & Georger Electric HS-2000) Note: Left or right swing.	5,102.86
01 22 23 00-0885		MO	1,000 Lb. Capacity, Single Line Operation, Roof Mounted, Electric Cable Hoist With Supported Scaffold (BetaMax)	3,436.62
01 22 23 00-0886		MO	2,000 Lb. Capacity, Double Line Operation, Roof Mounted, Electric Cable Hoist With Supported Scaffold (BetaMax)	3,853.18
01 22 23 00-0887		EA	Installation Of Temporary Roof Mounted Hoist Note: Includes delivery, setup and installation. Excludes electrical hookup.	3,040.75
01 22 23 00-0888		EA	Removal Of Temporary Roof Mounted Hoist Note: Includes removal and pickup.	3,040.75

01 22 23 00-0889 Roof Swing Hoist *(01 22 23 00-0749)*

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

01 22 23 00-0890		DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38
			For Half Day Usage, Deduct	*-32.31*
01 22 23 00-0891		WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81
01 22 23 00-0892		MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50

01 22 23 00-0893 Truck Mounted Digger Derrick *(01 22 23 00-0749)*

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

01 22 23 00-0894		DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	1,972.42
			For Equipment Without Operator, Deduct	*-1,292.60*
			For Half Day Usage, Deduct	*-858.74*
01 22 23 00-0895		WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	8,502.48
			For Equipment Without Operator, Deduct	*-6,463.02*
01 22 23 00-0896		MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	33,444.97
			For Equipment Without Operator, Deduct	*-28,006.41*
01 22 23 00-0897		DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	2,112.15
			For Equipment Without Operator, Deduct	*-1,292.60*
			For Half Day Usage, Deduct	*-902.41*
01 22 23 00-0898		WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	8,921.67
			For Equipment Without Operator, Deduct	*-6,463.02*
01 22 23 00-0899		MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	34,562.82
			For Equipment Without Operator, Deduct	*-28,006.41*
01 22 23 00-0900		DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	2,975.61
			For Equipment Without Operator, Deduct	*-1,292.60*
			For Half Day Usage, Deduct	*-1,172.24*
01 22 23 00-0901		WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	11,512.05
			For Equipment Without Operator, Deduct	*-6,463.02*
01 22 23 00-0902		MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	41,470.49
			For Equipment Without Operator, Deduct	*-28,006.41*

01 22 23 00-0903 Pumping Equipment *(01 22 23)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0904		**Gas Powered Portable Centrifugal Pumps** *(01 22 23 00-0903)* Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0928 for larger diameter pumps.		
01 22 23 00-0905	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	79.59	
		For >8 To 16 Hours Usage Per Day, Add	*31.84*	
		For >16 To 24 Hours Usage Per Day, Add	*63.67*	
01 22 23 00-0906	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	179.08	
		For >40 To 80 Hours Usage Per Week, Add	*71.63*	
		For >80 Hours Usage Per Week, Add	*143.26*	
01 22 23 00-0907	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	477.55	
		For >160 To 320 Hours Usage Per Month, Add	*191.02*	
		For >320 Hours Usage Per Month, Add	*382.04*	
01 22 23 00-0908	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	95.51	
		For >8 To 16 Hours Usage Per Day, Add	*38.20*	
		For >16 To 24 Hours Usage Per Day, Add	*76.41*	
01 22 23 00-0909	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	214.90	
		For >40 To 80 Hours Usage Per Week, Add	*85.96*	
		For >80 Hours Usage Per Week, Add	*171.92*	
01 22 23 00-0910	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	573.06	
		For >160 To 320 Hours Usage Per Month, Add	*229.22*	
		For >320 Hours Usage Per Month, Add	*458.45*	
01 22 23 00-0911		**Gas Powered Portable Diaphragm Pumps** *(01 22 23 00-0903)* Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0912	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	91.53	
		For >8 To 16 Hours Usage Per Day, Add	*36.61*	
		For >16 To 24 Hours Usage Per Day, Add	*73.22*	
01 22 23 00-0913	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	258.67	
		For >40 To 80 Hours Usage Per Week, Add	*103.47*	
		For >80 Hours Usage Per Week, Add	*206.94*	
01 22 23 00-0914	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	656.63	
		For >160 To 320 Hours Usage Per Month, Add	*262.65*	
		For >320 Hours Usage Per Month, Add	*525.30*	
01 22 23 00-0915	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	111.43	
		For >8 To 16 Hours Usage Per Day, Add	*44.57*	
		For >16 To 24 Hours Usage Per Day, Add	*89.14*	
01 22 23 00-0916	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	298.47	
		For >40 To 80 Hours Usage Per Week, Add	*119.39*	
		For >80 Hours Usage Per Week, Add	*238.78*	
01 22 23 00-0917	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	845.66	
		For >160 To 320 Hours Usage Per Month, Add	*338.26*	
		For >320 Hours Usage Per Month, Add	*676.53*	
01 22 23 00-0918		**Gas Powered Portable Trash Pumps** *(01 22 23 00-0903)* Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0919	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	115.41	
		For >8 To 16 Hours Usage Per Day, Add	*46.16*	
		For >16 To 24 Hours Usage Per Day, Add	*92.33*	
01 22 23 00-0920	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	238.78	
		For >40 To 80 Hours Usage Per Week, Add	*95.51*	
		For >80 Hours Usage Per Week, Add	*191.02*	
01 22 23 00-0921	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	716.33	
		For >160 To 320 Hours Usage Per Month, Add	*286.53*	
		For >320 Hours Usage Per Month, Add	*573.06*	
01 22 23 00-0922	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	115.41	
		For >8 To 16 Hours Usage Per Day, Add	*46.16*	
		For >16 To 24 Hours Usage Per Day, Add	*92.33*	
01 22 23 00-0923	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	308.42	
		For >40 To 80 Hours Usage Per Week, Add	*123.37*	
		For >80 Hours Usage Per Week, Add	*246.74*	
01 22 23 00-0924	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	845.66	
		For >160 To 320 Hours Usage Per Month, Add	*338.26*	
		For >320 Hours Usage Per Month, Add	*676.53*	
01 22 23 00-0925	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	183.06	
		For >8 To 16 Hours Usage Per Day, Add	*73.22*	
		For >16 To 24 Hours Usage Per Day, Add	*146.45*	
01 22 23 00-0926	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	517.35	
		For >40 To 80 Hours Usage Per Week, Add	*206.94*	
		For >80 Hours Usage Per Week, Add	*413.88*	
01 22 23 00-0927	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,502.30	
		For >160 To 320 Hours Usage Per Month, Add	*600.92*	
		For >320 Hours Usage Per Month, Add	*1,201.84*	
01 22 23 00-0928		**Diesel Powered Portable Trash Pumps** *(01 22 23 00-0903)* Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0929	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	358.16	
		For >8 To 16 Hours Usage Per Day, Add	*143.26*	
		For >16 To 24 Hours Usage Per Day, Add	*286.53*	
01 22 23 00-0930	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	975.00	
		For >40 To 80 Hours Usage Per Week, Add	*390.00*	
		For >80 Hours Usage Per Week, Add	*780.00*	
01 22 23 00-0931	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,248.22	
		For >160 To 320 Hours Usage Per Month, Add	*1,699.29*	
		For >320 Hours Usage Per Month, Add	*3,398.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0932	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	547.20	
		For >8 To 16 Hours Usage Per Day, Add	*218.88*	
		For >16 To 24 Hours Usage Per Day, Add	*437.76*	
01 22 23 00-0933	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,432.66	
		For >40 To 80 Hours Usage Per Week, Add	*573.06*	
		For >80 Hours Usage Per Week, Add	*1,146.13*	
01 22 23 00-0934	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,810.47	
		For >160 To 320 Hours Usage Per Month, Add	*1,524.19*	
		For >320 Hours Usage Per Month, Add	*3,048.38*	
01 22 23 00-0935	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	744.19	
		For >8 To 16 Hours Usage Per Day, Add	*297.68*	
		For >16 To 24 Hours Usage Per Day, Add	*595.35*	
01 22 23 00-0936	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,991.79	
		For >40 To 80 Hours Usage Per Week, Add	*796.72*	
		For >80 Hours Usage Per Week, Add	*1,593.43*	
01 22 23 00-0937	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,328.68	
		For >160 To 320 Hours Usage Per Month, Add	*2,131.47*	
		For >320 Hours Usage Per Month, Add	*4,262.94*	
01 22 23 00-0938	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	963.06	
		For >8 To 16 Hours Usage Per Day, Add	*385.22*	
		For >16 To 24 Hours Usage Per Day, Add	*770.45*	
01 22 23 00-0939	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,459.39	
		For >40 To 80 Hours Usage Per Week, Add	*983.76*	
		For >80 Hours Usage Per Week, Add	*1,967.51*	
01 22 23 00-0940	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,222.97	
		For >160 To 320 Hours Usage Per Month, Add	*2,889.19*	
		For >320 Hours Usage Per Month, Add	*5,778.38*	

01 22 23 00-0941 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-0903)*

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

01 22 23 00-0942	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	511.38	
		For >8 To 16 Hours Usage Per Day, Add	*204.55*	
		For >16 To 24 Hours Usage Per Day, Add	*409.10*	
01 22 23 00-0943	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,164.03	
		For >40 To 80 Hours Usage Per Week, Add	*465.61*	
		For >80 Hours Usage Per Week, Add	*931.22*	
01 22 23 00-0944	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,629.40	
		For >160 To 320 Hours Usage Per Month, Add	*1,451.76*	
		For >320 Hours Usage Per Month, Add	*2,903.52*	
01 22 23 00-0945	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	626.79	
		For >8 To 16 Hours Usage Per Day, Add	*250.72*	
		For >16 To 24 Hours Usage Per Day, Add	*501.43*	
01 22 23 00-0946	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,561.99	
		For >40 To 80 Hours Usage Per Week, Add	*624.80*	
		For >80 Hours Usage Per Week, Add	*1,249.59*	
01 22 23 00-0947	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,248.22	
		For >160 To 320 Hours Usage Per Month, Add	*1,699.29*	
		For >320 Hours Usage Per Month, Add	*3,398.58*	
01 22 23 00-0948	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	756.12	
		For >8 To 16 Hours Usage Per Day, Add	*302.45*	
		For >16 To 24 Hours Usage Per Day, Add	*604.90*	
01 22 23 00-0949	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,236.54	
		For >40 To 80 Hours Usage Per Week, Add	*894.62*	
		For >80 Hours Usage Per Week, Add	*1,789.23*	
01 22 23 00-0950	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,238.02	
		For >160 To 320 Hours Usage Per Month, Add	*2,495.21*	
		For >320 Hours Usage Per Month, Add	*4,990.42*	
01 22 23 00-0951	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,138.17	
		For >8 To 16 Hours Usage Per Day, Add	*455.27*	
		For >16 To 24 Hours Usage Per Day, Add	*910.54*	
01 22 23 00-0952	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,907.10	
		For >40 To 80 Hours Usage Per Week, Add	*1,162.84*	
		For >80 Hours Usage Per Week, Add	*2,325.68*	
01 22 23 00-0953	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,536.24	
		For >160 To 320 Hours Usage Per Month, Add	*3,414.50*	
		For >320 Hours Usage Per Month, Add	*6,828.99*	

01 22 23 00-0954 3 Phase Electric Submersible Pumps *(01 22 23 00-0903)*

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

01 22 23 00-0955	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	198.98	
01 22 23 00-0956	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	497.45	
01 22 23 00-0957	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,492.35	
01 22 23 00-0958	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	262.65	
01 22 23 00-0959	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	656.63	
01 22 23 00-0960	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,969.90	

01 22 23 00-0961 Suction Hose With Couplings *(01 22 23 00-0903)*

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

01 22 23 00-0962	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0963	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08	
01 22 23 00-0964	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32	
01 22 23 00-0965	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15	
		For Half Day Usage, Deduct	*-5.36*	
01 22 23 00-0966	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96	
01 22 23 00-0967	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01	
01 22 23 00-0968	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-0969	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40	
01 22 23 00-0970	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34	
01 22 23 00-0971	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16	
		For Half Day Usage, Deduct	*-10.05*	
01 22 23 00-0972	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41	
01 22 23 00-0973	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86	
01 22 23 00-0974	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05	
		For Half Day Usage, Deduct	*-23.45*	
01 22 23 00-0975	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98	
01 22 23 00-0976	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21	
01 22 23 00-0977	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78	
		For Half Day Usage, Deduct	*-31.49*	
01 22 23 00-0978	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78	
01 22 23 00-0979	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34	

01 22 23 00-0980 Discharge Hose With Couplings *(01 22 23 00-0903)*

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

01 22 23 00-0981	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-0982	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-0983	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
01 22 23 00-0984	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
		For Half Day Usage, Deduct	*-2.34*	
01 22 23 00-0985	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	
01 22 23 00-0986	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
01 22 23 00-0987	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
		For Half Day Usage, Deduct	*-2.68*	
01 22 23 00-0988	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-0989	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
01 22 23 00-0990	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-0991	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-0992	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
01 22 23 00-0993	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
		For Half Day Usage, Deduct	*-8.71*	
01 22 23 00-0994	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-0995	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
01 22 23 00-0996	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
		For Half Day Usage, Deduct	*-6.70*	
01 22 23 00-0997	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	
01 22 23 00-0998	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
01 22 23 00-0999	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
		For Half Day Usage, Deduct	*-17.09*	
01 22 23 00-1000	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1001	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	

01 22 23 00-1002 Hydraulic Submersible Pumps *(01 22 23 00-0903)*

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

01 22 23 00-1003 Hydraulic Submersible Pumps *(01 22 23 00-1002)*

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

01 22 23 00-1004	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	131.33	
		For >8 To 16 Hours Usage Per Day, Add	*52.53*	
		For >16 To 24 Hours Usage Per Day, Add	*105.06*	
01 22 23 00-1005	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	352.19	
		For >40 To 80 Hours Usage Per Week, Add	*140.88*	
		For >80 Hours Usage Per Week, Add	*281.75*	
01 22 23 00-1006	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	984.95	
		For >160 To 320 Hours Usage Per Month, Add	*393.98*	
		For >320 Hours Usage Per Month, Add	*787.96*	
01 22 23 00-1007	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	167.14	
		For >8 To 16 Hours Usage Per Day, Add	*66.86*	
		For >16 To 24 Hours Usage Per Day, Add	*133.71*	
01 22 23 00-1008	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	429.80	
		For >40 To 80 Hours Usage Per Week, Add	*171.92*	
		For >80 Hours Usage Per Week, Add	*343.84*	
01 22 23 00-1009	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,313.27	
		For >160 To 320 Hours Usage Per Month, Add	*525.31*	
		For >320 Hours Usage Per Month, Add	*1,050.62*	

01 22 23 00-1010 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1002)*

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

01 22 23 00-1011	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	303.44	
		For >8 To 16 Hours Usage Per Day, Add	*121.38*	
		For >16 To 24 Hours Usage Per Day, Add	*242.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1012	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	905.36	
		For >40 To 80 Hours Usage Per Week, Add	*362.14*	
		For >80 Hours Usage Per Week, Add	*724.29*	
01 22 23 00-1013	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,387.76	
		For >160 To 320 Hours Usage Per Month, Add	*955.10*	
		For >320 Hours Usage Per Month, Add	*1,910.21*	
01 22 23 00-1014		**Temporary Building Services** *(01 22 23)*		
01 22 23 00-1015		**Boilers** *(01 22 23 00-1014)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1016		**Electric Boilers** *(01 22 23 00-1015)*		
01 22 23 00-1017	MO	40 MBH, 12 KW Electric Boiler Rental	2,871.84	
01 22 23 00-1018	MO	60 MBH, 20 KW Electric Boiler Rental	3,132.95	
01 22 23 00-1019	MO	95 MBH, 30 KW Electric Boiler Rental	3,263.51	
01 22 23 00-1020	MO	135 MBH, 40 KW Electric Boiler Rental	3,655.06	
01 22 23 00-1021	MO	165 MBH, 50 KW Electric Boiler Rental	5,090.98	
01 22 23 00-1022	MO	215 MBH, 60 KW Electric Boiler Rental	5,874.23	
01 22 23 00-1023	MO	365 MBH, 100 KW Electric Boiler Rental	7,701.83	
01 22 23 00-1024	MO	510 MBH, 150 KW Electric Boiler Rental	9,398.85	
01 22 23 00-1025		**Oil/Gas Fired Boilers** *(01 22 23 00-1015)*		
01 22 23 00-1026	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50	
01 22 23 00-1027	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45	
01 22 23 00-1028	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65	
01 22 23 00-1029	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85	
01 22 23 00-1030		**Oil Fired Boilers** *(01 22 23 00-1015)*		
01 22 23 00-1031	MO	250 HP Oil Fired Boiler Rental	8,065.57	
01 22 23 00-1032	MO	350 HP Oil Fired Boiler Rental	10,754.10	
01 22 23 00-1033	MO	500 HP Oil Fired Boiler Rental	13,442.62	
01 22 23 00-1034	MO	600 HP Oil Fired Boiler Rental	14,786.89	
01 22 23 00-1035		**Boilers Set-up** *(01 22 23 00-1015)*		
01 22 23 00-1036	EA	Set-up Charge For Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	8,007.46	
01 22 23 00-1037		**Chillers** *(01 22 23 00-1014)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1038		**Air-Cooled Chillers** *(01 22 23 00-1037)*		
01 22 23 00-1039	MO	25 Ton Air-Cooled Chiller Rental	2,542.48	
		For >3 To 6 Month Rental, Deduct	*-381.37*	
		For >6 Months (>26 Weeks), Deduct	*-635.62*	
01 22 23 00-1040	MO	40 Ton Air-Cooled Chiller Rental	4,067.98	
		For >3 To 6 Month Rental, Deduct	*-610.20*	
		For >6 Months (>26 Weeks), Deduct	*-1,017.00*	
01 22 23 00-1041	MO	60 Ton Air-Cooled Chiller Rental	4,975.60	
		For >3 To 6 Month Rental, Deduct	*-746.34*	
		For >6 Months (>26 Weeks), Deduct	*-1,243.90*	
01 22 23 00-1042	MO	80 Ton Air-Cooled Chiller Rental	5,883.22	
		For >3 To 6 Month Rental, Deduct	*-882.48*	
		For >6 Months (>26 Weeks), Deduct	*-1,470.81*	
01 22 23 00-1043	MO	100 Ton Air-Cooled Chiller Rental	6,790.84	
		For >3 To 6 Month Rental, Deduct	*-1,018.63*	
		For >6 Months (>26 Weeks), Deduct	*-1,697.71*	
01 22 23 00-1044	MO	125 Ton Air-Cooled Chiller Rental	7,867.32	
		For >3 To 6 Month Rental, Deduct	*-1,180.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,966.83*	
01 22 23 00-1045	MO	155 Ton Air-Cooled Chiller Rental	9,517.53	
		For >3 To 6 Month Rental, Deduct	*-1,427.63*	
		For >6 Months (>26 Weeks), Deduct	*-2,379.38*	
01 22 23 00-1046	MO	170 Ton Air-Cooled Chiller Rental	10,177.62	
		For >3 To 6 Month Rental, Deduct	*-1,526.64*	
		For >6 Months (>26 Weeks), Deduct	*-2,544.41*	
01 22 23 00-1047	MO	200 Ton Air-Cooled Chiller Rental	11,691.60	
		For >3 To 6 Month Rental, Deduct	*-1,753.74*	
		For >6 Months (>26 Weeks), Deduct	*-2,922.90*	
01 22 23 00-1048	MO	250 Ton Air-Cooled Chiller Rental	13,911.73	
		For >3 To 6 Month Rental, Deduct	*-2,086.76*	
		For >6 Months (>26 Weeks), Deduct	*-3,477.93*	
01 22 23 00-1049	MO	300 Ton Air-Cooled Chiller Rental Note: Includes trailer.	16,233.54	
		For >3 To 6 Month Rental, Deduct	*-2,435.03*	
		For >6 Months (>26 Weeks), Deduct	*-4,058.39*	
01 22 23 00-1050	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,414.46	
		For >3 To 6 Month Rental, Deduct	*-3,212.17*	
		For >6 Months (>26 Weeks), Deduct	*-5,353.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1051	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,507.11	
		For >3 To 6 Month Rental, Deduct	*-3,976.07*	
		For >6 Months (>26 Weeks), Deduct	*-6,626.78*	
01 22 23 00-1052	EA	Set-up Charge For Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,566.16	
01 22 23 00-1053		**Chiller Rental Accessories** *(01 22 23 00-1037)*		
01 22 23 00-1054	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30	
01 22 23 00-1055	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63	
01 22 23 00-1056		**Emergency Cooler/Freezer** *(01 22 23 00-1014)* Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1057	DAY	8 x 6 x 7 Emergency Cooler Rental	172.01	
		For Half Day Usage, Deduct	*-53.75*	
01 22 23 00-1058	WK	8 x 6 x 7 Emergency Cooler Rental	917.40	
01 22 23 00-1059	DAY	10 x 7 x 7 Emergency Cooler Rental	344.02	
		For Half Day Usage, Deduct	*-107.51*	
01 22 23 00-1060	WK	10 x 7 x 7 Emergency Cooler Rental	1,376.10	
01 22 23 00-1061	MO	10 x 7 x 7 Emergency Cooler Rental	3,440.25	
01 22 23 00-1062	DAY	10 x 7 x 7 Emergency Freezer Rental	401.36	
		For Half Day Usage, Deduct	*-125.43*	
01 22 23 00-1063	WK	10 x 7 x 7 Emergency Freezer Rental	1,605.45	
01 22 23 00-1064	MO	10 x 7 x 7 Emergency Freezer Rental	4,128.30	
01 22 23 00-1065	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	458.70	
		For Half Day Usage, Deduct	*-143.34*	
01 22 23 00-1066	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,834.80	
01 22 23 00-1067	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	4,587.00	
01 22 23 00-1068		**Fuel Oil Tank** *(01 22 23 00-1014)* Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0636 for reimbursable fuel fees.		
01 22 23 00-1069	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	449.02	
01 22 23 00-1070	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	698.48	
01 22 23 00-1071	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,746.20	
01 22 23 00-1072	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,910.34	
01 22 23 00-1073	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,841.65	
01 22 23 00-1074	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,862.85	
01 22 23 00-1075		**Air Handling Unit (AHU)** *(01 22 23 00-1014)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1076		**Air Handling Unit (AHU)** *(01 22 23 00-1075)*		
01 22 23 00-1077	MO	5,000 CFM Air Handling Unit Rental	3,154.10	
01 22 23 00-1078	MO	10,000 CFM Air Handling Unit Rental	3,261.42	
01 22 23 00-1079	MO	25,000 CFM Air Handling Unit Rental	5,359.59	
01 22 23 00-1080		**Air Handling Unit Set-up** *(01 22 23 00-1075)*		
01 22 23 00-1081	EA	Set-up Charge For Rental Air Handling Unit Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,113.40	
01 22 23 00-1082	MO	12" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	308.67	
01 22 23 00-1083	MO	20" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	373.23	
01 22 23 00-1084		**Truck And Trailer Equipment** *(01 22 23)*		
01 22 23 00-1085		**Trucks** *(01 22 23 00-1084)* Note: Includes driver, delivery to job site and pick-up when complete.		
01 22 23 00-1086		**Flat Bed Trucks** *(01 22 23 00-1085)* Note: Includes hydraulic tilt bed.		
01 22 23 00-1087	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,345.56	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-616.42*	
01 22 23 00-1088	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	6,012.93	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1089	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	24,631.72	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-1090	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,475.54	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-657.04*	
01 22 23 00-1091	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	6,345.99	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1092	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	25,484.68	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-1093	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,568.79	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-686.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1094	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	6,702.45	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1095	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	26,841.31	
		For Equipment Without Operator, Deduct	*-22,641.46*	

01 22 23 00-1096 Light And Heavy Duty Trucks *(01 22 23 00-1085)*

01 22 23 00-1097	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,280.90	
		For Equipment Without Operator, Deduct	*-1,022.45*	
		For Half Day Usage, Deduct	*-591.99*	
01 22 23 00-1098	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	5,960.27	
		For Equipment Without Operator, Deduct	*-5,112.24*	
01 22 23 00-1099	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	23,929.89	
		For Equipment Without Operator, Deduct	*-22,153.06*	
01 22 23 00-1100	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,329.36	
		For Equipment Without Operator, Deduct	*-1,022.45*	
		For Half Day Usage, Deduct	*-607.13*	
01 22 23 00-1101	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	6,105.65	
		For Equipment Without Operator, Deduct	*-5,112.24*	
01 22 23 00-1102	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	24,252.95	
		For Equipment Without Operator, Deduct	*-22,153.06*	

01 22 23 00-1103 Rear Dump Trucks *(01 22 23 00-1085)*

01 22 23 00-1104	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,598.22	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-695.38*	
01 22 23 00-1105	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	6,749.17	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1106	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	26,593.14	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-1107	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,677.26	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-720.08*	
01 22 23 00-1108	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	6,918.53	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1109	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	26,706.04	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-1110	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,614.37	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-1,012.93*	
01 22 23 00-1111	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	8,849.20	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1112	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	32,125.48	
		For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-1113	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,771.31	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-1,061.97*	
01 22 23 00-1114	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	9,211.63	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1115	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	33,073.88	
		For Equipment Without Operator, Deduct	*-22,641.46*	

01 22 23 00-1116 Vacuum Trucks *(01 22 23 00-1085)*

01 22 23 00-1117	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,603.08	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Half Day Usage, Deduct	*-1,009.40*	
01 22 23 00-1118	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	9,917.28	
		For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1119	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	36,488.13	
		For Equipment Without Operator, Deduct	*-22,641.46*	

01 22 23 00-1120 Water Trucks *(01 22 23 00-1085)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-0980 for additional discharge hose, 01 22 23 00-1148 for water trailer.

01 22 23 00-1121	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,746.31	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-741.66*	
01 22 23 00-1122	WK	2,000 Gallon Water Truck With Full-Time Driver	7,071.77	
		For Equipment Without Operator, Deduct	*-5,224.95*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1123	MO	2,000 Gallon Water Truck With Full-Time Driver	27,005.26	
		For Equipment Without Operator, Deduct	*-22,641.46*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1124	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	2,089.19	
		For Equipment Without Operator, Deduct	*-1,044.99*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-848.81*	
01 22 23 00-1125	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	8,100.38	
		For Equipment Without Operator, Deduct	*-5,224.95*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1126	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	29,654.71	
		For Equipment Without Operator, Deduct	*-22,641.46*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1127			Asphalt Distribution Trucks *(01 22 23 00-1085)*		
01 22 23 00-1128		DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,437.36	
			For Equipment Without Operator, Deduct	*-1,044.99*	
			For Half Day Usage, Deduct	*-957.61*	
01 22 23 00-1129		WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	9,384.18	
			For Equipment Without Operator, Deduct	*-5,224.95*	
01 22 23 00-1130		MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	34,937.19	
			For Equipment Without Operator, Deduct	*-22,641.46*	
01 22 23 00-1131			Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1085)*		
01 22 23 00-1132		DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,767.86	
			For Equipment Without Operator, Deduct	*-1,022.45*	
			For Half Day Usage, Deduct	*-744.17*	
01 22 23 00-1133		WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	7,312.16	
			For Equipment Without Operator, Deduct	*-5,112.24*	
01 22 23 00-1134		MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	27,495.49	
			For Equipment Without Operator, Deduct	*-22,153.06*	
01 22 23 00-1135			Truck Mounted Accessories *(01 22 23 00-1084)*		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1136			Truck Mounted Arrow Boards *(01 22 23 00-1135)*		
01 22 23 00-1137		DAY	Truck Mounted Arrow Board	55.92	
			For Half Day Usage, Deduct	*-17.48*	
01 22 23 00-1138		WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1139		MO	Truck Mounted Arrow Board	792.98	
01 22 23 00-1140			Snow Removal Equipment *(01 22 23 00-1135)*		
			See CSI section 01 22 23 00-1085 for truck information.		
01 22 23 00-1141		DAY	One Way Type Snow Plow Attachment For Trucks	173.01	
			For Half Day Usage, Deduct	*-54.07*	
01 22 23 00-1142		DAY	Reversible Type Snow Plow Attachment For Trucks	185.30	
			For Half Day Usage, Deduct	*-57.91*	
01 22 23 00-1143		DAY	V Type Snow Plow Attachment For Trucks	192.09	
			For Half Day Usage, Deduct	*-60.03*	
01 22 23 00-1144		DAY	Slide-In, V-Box Hopper, 10 CY Salt/Sand Spreader Attachment For Dump Body Trucks	79.45	
			For Half Day Usage, Deduct	*-24.83*	
01 22 23 00-1145		DAY	Tailgate Mounted, Salt/Sand Spreader Attachment For Pickup Trucks	53.58	
			For Half Day Usage, Deduct	*-16.74*	
01 22 23 00-1146		DAY	Salt/Sand Spreader Attachment For Pickup Trucks	53.84	
			For Half Day Usage, Deduct	*-16.83*	
01 22 23 00-1147			Trailers *(01 22 23 00-1084)*		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1148			Water Trailers With Pump *(01 22 23 00-1147)*		
01 22 23 00-1149		DAY	500 To 600 Gallon Water Trailer With Pump	179.23	
			For Half Day Usage, Deduct	*-56.01*	
01 22 23 00-1150		WK	500 To 600 Gallon Water Trailer With Pump	459.76	
01 22 23 00-1151		MO	500 To 600 Gallon Water Trailer With Pump	1,231.22	

01 30 Administrative Requirements *(01)*

01 35 Special Procedures *(01 30)*

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

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

01 35 29 00-0001			Emergency Response *(01 35 29)*		
			See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0081 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0028 for container usage.		
01 35 29 00-0002		MI	Trucking Delivery Of 20' Shipping Container	2.70	
01 35 29 00-0003		MI	Trucking Delivery Of 40' Shipping Container	5.40	

01 35 33 Infection Control Procedures *(01 35)*

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

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 45 Quality Control *(01 40)*

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

01 45 23 Testing and Inspecting Services *(01 45)*

Note: Includes collecting and shipping samples for testing, equipment for field tests, and test reports.

01 45 23 00-0001 Concrete/Cement/Asphalt Testing *(01 45 23)*

01 45 23 00-0002 Concrete Testing *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	32.29
01 45 23 00-0004	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55
01 45 23 00-0005	EA	Concrete Cores Compression Test, ASTM C-42	148.40
01 45 23 00-0006	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88
01 45 23 00-0007	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90
01 45 23 00-0008	EA	Concrete Mix Design Review	433.77
01 45 23 00-0009	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35
01 45 23 00-0010	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05
01 45 23 00-0011	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28
01 45 23 00-0012	EA	Concrete Slump Test, ASTM C143	57.08
01 45 23 00-0013	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08

01 45 23 00-0014 Cement Testing *(01 45 23 00-0001)*

01 45 23 00-0015	EA	CCR Title 24, Cement Grab Sample Note: Includes sealing and storing 1 year.	57.08
01 45 23 00-0016	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32

01 45 23 00-0017 Asphaltic Concrete Testing *(01 45 23 00-0001)*

01 45 23 00-0018	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15
01 45 23 00-0019	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79
01 45 23 00-0020	EA	Stability Tests, Premixed, ASTM D1559	114.15
01 45 23 00-0021	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79
01 45 23 00-0022	EA	Swell Test, CA 305 Note: Includes compaction.	136.98
01 45 23 00-0023	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45
01 45 23 00-0024	EA	Gradation On Extracted Sample, ASTM D-5444	228.30
01 45 23 00-0025	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65
01 45 23 00-0026	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66
01 45 23 00-0027	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66
01 45 23 00-0028	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15
01 45 23 00-0029	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30
01 45 23 00-0030	EA	Penetration, ASTM D5	164.90

01 45 23 00-0031 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0032 Field Soils Tests *(01 45 23 00-0031)*

01 45 23 00-0033	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86
01 45 23 00-0034	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26
01 45 23 00-0035	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75
01 45 23 00-0036	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60
01 45 23 00-0037	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	684.90
01 45 23 00-0038	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,369.34
01 45 23 00-0039	EA	Moisture Content, Field Soils Test	51.35
01 45 23 00-0040	EA	UBC Or Swell Test, Field Soils Test	136.98
01 45 23 00-0041	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	342.33
01 45 23 00-0042	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	427.92
01 45 23 00-0043	EA	Density And Classification Test, Field Soils Test	104.27
01 45 23 00-0044	EA	Percolation Test, Field Soils Test	260.67
01 45 23 00-0045	EA	Infiltration Test, Field Soils Test	521.35

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0046		Aggregate Testing *(01 45 23 00-0031)*		
01 45 23 00-0047	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15	
01 45 23 00-0048	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47	
01 45 23 00-0049	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38	
01 45 23 00-0050	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	169.44	
01 45 23 00-0051	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	181.37	
01 45 23 00-0052	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	162.61	
01 45 23 00-0053	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83	
01 45 23 00-0054	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30	
01 45 23 00-0055	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	228.30	
01 45 23 00-0056	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22	
01 45 23 00-0057	EA	Fine Aggregate Durability Index, CA 229	182.64	
01 45 23 00-0058	EA	Sodium And Magnesium Soundness, ASTM C88	479.27	
01 45 23 00-0059	EA	Los Angeles Rattler, ASTM C-131, CA 211	365.28	
01 45 23 00-0060	EA	Los Angeles Rattler, ASTM C-535	365.28	
01 45 23 00-0061	EA	Unit Weight Of Aggregates, ASTM C29	102.74	
01 45 23 00-0062	EA	Organic Impurities In Sand, ASTM C40	102.70	
01 45 23 00-0063	EA	Crushed Particle, ASTM California Test Method	102.70	
01 45 23 00-0064	EA	Clay Lump And Friable Particles, ASTM C142	205.40	
01 45 23 00-0065		Permeability Tests *(01 45 23 00-0031)*		
01 45 23 00-0066		In-Place Tests *(01 45 23 00-0065)*		
01 45 23 00-0067	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72	
01 45 23 00-0068	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58	
01 45 23 00-0069		Lab Tests *(01 45 23 00-0065)*		
01 45 23 00-0070	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40	
01 45 23 00-0071	EA	Falling Head Permeability Test EPA-9100	846.40	
01 45 23 00-0072	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66	
01 45 23 00-0073		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0074		Masonry Testing *(01 45 23 00-0073)*		
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0077	EA	Masonry Cores Compression Test	148.40	
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	285.38	
01 45 23 00-0079		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0073)*		
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64	
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	125.56	
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 23 00-0084		Metals Testing *(01 45 23)*		
01 45 23 00-0085		Tank Tightness Testing *(01 45 23 00-0084)* Note: Includes reporting. Excludes retesting, replacement/installation of, gaskets, nuts/bolts, or any re-piping required to pass the system.		
01 45 23 00-0086	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	10.96	
01 45 23 00-0087	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.39	
01 45 23 00-0088	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,819.61	
01 45 23 00-0089	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	3,445.09	
01 45 23 00-0090	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	4,387.47	
01 45 23 00-0091		Other Testing *(01 45 23)*		
01 45 23 00-0092		Special Testing *(01 45 23 00-0091)*		
01 45 23 00-0093	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17	
01 45 23 00-0094	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00	
01 45 23 00-0095	EA	Total Coliform Bacteria And E. Coli Bacteria Test	53.35	
01 45 23 00-0096	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30	
01 45 23 00-0097	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30	
01 45 23 00-0098	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30	
01 45 23 00-0099	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0100		Non-destructive Field Testing Services *(01 45 23 00-0091)*		
01 45 23 00-0101		Infrared Thermography *(01 45 23 00-0100)* Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		

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CSI	UOM	DESCRIPTION	MINOR UNIT COST	TOTAL DIRECT DEMOLITION UNIT COST

01 45 23 00-0102 Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0101)*

Note: For on the roof surveys.

01 45 23 00-0103	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40	
01 45 23 00-0104	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.64	
		For CADD Drawings, Add		*1.33*
01 45 23 00-0105	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.43	
		For CADD Drawings, Add		*0.89*
01 45 23 00-0106	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.32	
		For CADD Drawings, Add		*0.66*
		For Elevated Infrared Thermography Roof Investigation, Add		*0.83*
		For Aerial Infrared Thermography Roof Investigation, Add		*0.83*
01 45 23 00-0107	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.21	
		For CADD Drawings, Add		*0.44*
		For Elevated Infrared Thermography Roof Investigation, Add		*0.55*
		For Aerial Infrared Thermography Roof Investigation, Add		*0.55*

01 45 23 00-0108 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0101)*

Note: For finding moisture in walls and windows.

01 45 23 00-0109	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0110	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add		*3.32*
01 45 23 00-0111	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add		*2.22*
01 45 23 00-0112	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add		*1.11*

01 45 23 00-0113 General Building Investigation Using Infrared Thermography *(01 45 23 00-0101)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

01 45 23 00-0114	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0115	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add		*3.32*
01 45 23 00-0116	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add		*2.22*
01 45 23 00-0117	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add		*1.11*

01 45 23 00-0118 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0101)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

01 45 23 00-0119	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0120	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	284.76	
		For Digital Or Analog Recording Of All Items, Add		*42.61*

01 45 23 00-0121 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0101)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0122	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0123	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add		*1.00*
01 45 23 00-0124	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add		*0.66*

01 45 23 00-0125 Other Non-destructive Field Testing Services *(01 45 23 00-0100)*

01 45 23 00-0126	HR	ASNT Certified Level I NDT Consultant	79.00	
01 45 23 00-0127	HR	ASNT Certified Level II NDT Consultant	88.90	
01 45 23 00-0128	HR	ASNT Certified Level III NDT Consultant	103.68	
01 45 23 00-0129	HR	Certified Industrial Radiography Radiation Safety Personnel	114.88	

01 45 23 00-0130 Concrete Slab Moisture Testing *(01 45 23 00-0091)*

01 45 23 00-0131	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	

01 45 29 Testing Laboratory Services *(01 45)*

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

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

See CSI section 02 32 13 00-0000 for soil borings.

01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	157.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	120.92	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	464.14	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	513.68	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	150.45	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	167.16	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	76.89	

01 50 Temporary Facilities and Controls *(01)*

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

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001 Temporary Disconnect Switch With Fuses *(01 51 13)*

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,848.51
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,890.31

01 51 13 00-0004 Temporary Panelboard Complete With GFCI Circuit Breakers *(01 51 13)*

Note: Includes all connections, pigtails and removal after use.

01 51 13 00-0005	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,825.27
01 51 13 00-0006	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,636.29

01 51 13 00-0007 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*

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

01 51 13 00-0008	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18
01 51 13 00-0009	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35

01 51 26 Temporary Lighting *(01 51)*

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	336.43
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	129.19
01 51 26 00-0004	EA	Temporary High Bay Light	497.24

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds *(01 52)*

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

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

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	252.05
		For Each Delivery And Removal, Two Round Trips, Add	*1,635.48*
		For Each Set-up (Block And Level), Add	*960.13*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*
		For Knockdown, Add	*1,042.25*
		For Office Trailer Without Toilet, Deduct	*-50.41*
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	285.65
		For Each Delivery And Removal, Two Round Trips, Add	*1,635.48*
		For Each Set-up (Block And Level), Add	*960.13*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*
		For Knockdown, Add	*1,042.25*
		For Office Trailer Without Toilet, Deduct	*-57.13*
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	386.47
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*
		For Each Set-up (Block And Level), Add	*1,497.89*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*
		For Knockdown, Add	*1,559.93*
		For Office Trailer Without Toilet, Deduct	*-77.29*
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	411.68
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*
		For Each Set-up (Block And Level), Add	*1,497.89*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*
		For Knockdown, Add	*1,559.93*
		For Office Trailer Without Toilet, Deduct	*-82.34*
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	453.69
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*
		For Each Set-up (Block And Level), Add	*1,497.89*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*
		For Knockdown, Add	*1,559.93*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	478.89	
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*	
		For Each Set-up (Block And Level), Add	*1,497.89*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*1,559.93*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	389.04	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*1,559.93*	
		For Each Delivery And Removal, Two Round Trips, Add	*953.21*	
		For Each Set-up (Block And Level), Add	*576.88*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	520.13	
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*	
		For Each Set-up (Block And Level), Add	*1,497.89*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*1,559.93*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	619.20	
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*	
		For Each Set-up (Block And Level), Add	*1,497.89*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*1,559.93*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	856.12	
		For Each Delivery And Removal, Two Round Trips, Add	*3,270.96*	
		For Each Set-up (Block And Level), Add	*1,497.89*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*1,559.93*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,344.25	
		For Each Delivery And Removal, Two Round Trips, Add	*4,906.45*	
		For Each Set-Up (Block And Level), Add	*2,713.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*3,126.76*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,613.09	
		For Each Delivery And Removal, Two Round Trips, Add	*4,906.45*	
		For Each Set-Up (Block And Level), Add	*2,713.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*3,126.76*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	843.31	
		For Each Delivery And Removal, Two Round Trips, Add	*4,906.45*	
		For Each Set-Up (Block And Level), Add	*2,713.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*266.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*366.86*	
		For Knockdown, Add	*3,126.76*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	41.23
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	25.77
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	30.92
01 52 13 00-0019	MO	Table For Field Office Trailer	20.61
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	9.76
01 52 13 00-0021	MO	Security System With Monitoring For Field Office Trailer	129.90
01 52 13 00-0022	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	13.62
01 52 13 00-0023	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	32.26
01 52 13 00-0024	MO	Steps For Field Office Trailer	87.11
01 52 13 00-0025	MO	Steps With Canopy For Field Office Trailer	146.96
01 52 13 00-0026	MO	Fax Machine For Field Office Trailer	44.17
01 52 13 00-0027	MO	Copier For Field Office Trailer	82.45

01 52 13 00-0028 Storage Containers *(01 52 13)*

01 52 13 00-0029	MO	8' x 8' x 10' Storage Container	140.03	
		For Each Delivery And Removal, Two Round Trips, Add	*116.51*	
		For >12 Months, Deduct	*-31.51*	
01 52 13 00-0030	MO	8' x 8' x 20' Storage Container	146.40	
		For Each Delivery And Removal, Two Round Trips, Add	*128.16*	
		For >12 Months, Deduct	*-32.94*	
01 52 13 00-0031	MO	8' x 8' x 40' Storage Container	173.13	
		For Each Delivery And Removal, Two Round Trips, Add	*258.11*	
		For >12 Months, Deduct	*-38.95*	

01 52 19 Sanitary Facilities *(01 52)*

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

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet	58.33	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*45.00*	
01 52 19 00-0003	MO	Portable Chemical Toilet	175.00	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*45.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	69.58	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*45.00*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	204.17	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*45.00*	
01 52 19 00-0006	WK	Two Station Portable Handwash	56.43	
		For Each Delivery And Set-up, Add	*45.00*	
01 52 19 00-0007	MO	Two Station Portable Handwash	171.18	
		For Each Delivery And Set-up, Add	*45.00*	

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

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

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.62	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	39.65	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.90	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	29.47	

01 53 23 Temporary Ramps *(01 53)*

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

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	2.01	0.60

01 54 Construction Aids *(01 50)*

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month	44.13	
		For Up To 25, Add	*17.65*	
		For >25 To 50, Add	*11.03*	
		For >50 To 150, Add	*4.41*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	49.62	
		For Up To 25, Add	*19.85*	
		For >25 To 50, Add	*12.41*	
		For >50 To 150, Add	*4.96*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month	66.19	
		For Up To 25, Add	*26.48*	
		For >25 To 50, Add	*16.55*	
		For >50 To 150, Add	*6.62*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	58.60	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	76.84	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	102.55	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	112.79	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	129.88	

01 54 23 00-0012 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.

01 54 23 00-0013	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	70.43	
01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month	129.12	
01 54 23 00-0015	LF	Aluminum Joists, Per LF / Month	11.45	
01 54 23 00-0016	LF	Aluminum Joists, Per LF / Month	16.42	
01 54 23 00-0017	EA	Screw Jack With U-Plate For Stringers, Per EA / Month	20.69	

01 54 23 00-0018 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.

01 54 23 00-0019	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	109.38	
01 54 23 00-0020	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	136.73	
01 54 23 00-0021	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	164.07	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0022		CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	177.74	
01 54 23 00-0023		CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	198.25	

01 54 23 00-0024 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0018 for erection.

01 54 23 00-0025		CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	46.09	

01 54 23 00-0026 Rolling Scaffolding *(01 54 23)*

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0027		DAY	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	14.28	
01 54 23 00-0028		WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	57.23	
01 54 23 00-0029		MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	228.90	
01 54 23 00-0030		DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	23.91	
01 54 23 00-0031		WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	95.76	
01 54 23 00-0032		MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	383.07	
01 54 23 00-0033		EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	157.82	
01 54 23 00-0034		EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	197.28	

01 54 23 00-0035 Shoring Posts *(01 54 23)*

01 54 23 00-0036		DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.15	
01 54 23 00-0037		WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.60	
01 54 23 00-0038		MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	25.81	
01 54 23 00-0039		EA	Initial Erection And Final Dismantling For Each Shoring Post	12.64	
			For >20 To 50, Deduct	*-1.90*	
			For >50 To 100, Deduct	*-4.42*	
			For >100, Deduct	*-6.95*	

01 54 23 00-0040 Temporary Lumber, Single Use *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0041		SF	5/16" CD Grade Plywood, Temporary Lumber	3.29	
01 54 23 00-0042		SF	1/2" CD Grade Plywood, Temporary Lumber	3.84	
01 54 23 00-0043		SF	5/8" CD Grade Plywood, Temporary Lumber	4.24	
01 54 23 00-0044		SF	3/4" CD Grade Plywood, Temporary Lumber	4.76	
01 54 23 00-0045		SF	1" CD Grade Plywood, Temporary Lumber	7.26	
01 54 23 00-0046		LF	2" x 4" Temporary Lumber	4.06	
01 54 23 00-0047		LF	2" x 6" Temporary Lumber	5.19	
01 54 23 00-0048		LF	2" x 8" Temporary Lumber	6.33	
01 54 23 00-0049		LF	2" x 10" Temporary Lumber	7.48	
01 54 23 00-0050		LF	2" x 12" Temporary Lumber	8.61	
01 54 23 00-0051		LF	3" x 8" Temporary Lumber	8.61	
01 54 23 00-0052		LF	3" x 10" Temporary Lumber	10.31	
01 54 23 00-0053		LF	3" x 12" Temporary Lumber	12.03	
01 54 23 00-0054		LF	4" x 4" Temporary Lumber	5.64	
01 54 23 00-0055		LF	4" x 6" Temporary Lumber	8.16	
01 54 23 00-0056		LF	6" x 6" Temporary Lumber	10.70	
01 54 23 00-0057		LF	6" x 8" Temporary Lumber	13.93	
01 54 23 00-0058		LF	12" x 12" Temporary Lumber	34.82	

01 54 23 00-0059 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0060		EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	154.96	
01 54 23 00-0061		EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	193.69	
01 54 23 00-0062		EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	251.55	

01 54 26 Temporary Swing Staging *(01 54)*

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

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

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

01 54 26 00-0002		MO	7' Swing Stage, Electric Operated	3,095.78	
01 54 26 00-0003		MO	10' Swing Stage, Electric Operated	3,250.57	
01 54 26 00-0004		MO	14' Swing Stage, Electric Operated	3,405.36	
01 54 26 00-0005		MO	20' Swing Stage, Electric Operated	3,560.15	
01 54 26 00-0006		MO	24' Swing Stage, Electric Operated	3,714.94	
01 54 26 00-0007		MO	30' Swing Stage, Electric Operated	3,869.73	
01 54 26 00-0008		MO	42' Swing Stage, Electric Operated	4,024.52	
01 54 26 00-0009		MO	12' Swing Stage, Manually Operated	892.71	
01 54 26 00-0010		MO	24' Swing Stage, Manually Operated	1,115.89	
01 54 26 00-0011		EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	6,729.41	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	9,351.67	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	3,538.47	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	4,928.59	

01 55 Vehicular Access and Parking *(01 50)*

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	6.08	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	7.20	

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	6.14	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	8.21	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	10.14	

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.92	
		For Not Removed, Deduct	*-2.13*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.87	
		For Not Removed, Deduct	*-2.90*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.85	
		For Not Removed, Deduct	*-3.67*	

01 55 26 00-0012 Temporary Rumble Strips *(01 55 26)*

Note: Includes removal after use.

01 55 26 00-0013	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	14.65	
01 55 26 00-0014	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.73	

01 55 26 00-0015 Linear Delineation System, Temporary Or Permanent *(01 55 26)*

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

01 55 26 00-0016	LF	4" Linear Delineation System	12.38	
01 55 26 00-0017	LF	6" Linear Delineation System	16.52	

01 55 26 00-0018 Temporary Traffic Protection *(01 55 26)*

01 55 26 00-0019 Temporary Portable Traffic Control Device Usage *(01 55 26 00-0018)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0020	DAY	28" Cone With Reflective Collar	0.89	
01 55 26 00-0021	WK	28" Cone With Reflective Collar	2.66	
01 55 26 00-0022	MO	28" Cone With Reflective Collar	7.99	
01 55 26 00-0023	DAY	Vertical Panel	2.68	
01 55 26 00-0024	WK	Vertical Panel	8.04	
01 55 26 00-0025	MO	Vertical Panel	24.13	
01 55 26 00-0026	DAY	Channelizer Drum	2.91	
01 55 26 00-0027	WK	Channelizer Drum	8.73	
01 55 26 00-0028	MO	Channelizer Drum	26.20	
01 55 26 00-0029	DAY	Stackable Channelizer Panel	1.38	
01 55 26 00-0030	WK	Stackable Channelizer Panel	4.13	
01 55 26 00-0031	MO	Stackable Channelizer Panel	12.39	
01 55 26 00-0032	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.91	
01 55 26 00-0033	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.72	
01 55 26 00-0034	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.16	
01 55 26 00-0035	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.23	
01 55 26 00-0036	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.68	
01 55 26 00-0037	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	38.03	
01 55 26 00-0038	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.82	
01 55 26 00-0039	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45	
01 55 26 00-0040	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34	
01 55 26 00-0041	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.81	
01 55 26 00-0042	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	26.43	
01 55 26 00-0043	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	79.28	
01 55 26 00-0044	DAY	Up To 10' Wide A Frame Barricade	4.83	
01 55 26 00-0045	WK	Up To 10' Wide A Frame Barricade	14.49	
01 55 26 00-0046	MO	Up To 10' Wide A Frame Barricade	43.48	
01 55 26 00-0047	DAY	Type A Or C Flasher	0.98	
01 55 26 00-0048	WK	Type A Or C Flasher	2.95	
01 55 26 00-0049	MO	Type A Or C Flasher	8.86	
01 55 26 00-0050	DAY	Type B High Intensity Flasher	5.34	
01 55 26 00-0051	WK	Type B High Intensity Flasher	16.02	
01 55 26 00-0052	MO	Type B High Intensity Flasher	48.07	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0053			**Temporary Traffic Barriers Usage** *(01 55 26 00-0018)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.		
	01 55 26 00-0054	DAY	6' Long Portable Parking Curbs	2.30	
	01 55 26 00-0055	WK	6' Long Portable Parking Curbs	6.90	
	01 55 26 00-0056	MO	6' Long Portable Parking Curbs	20.71	
	01 55 26 00-0057	DAY	6' Long Portable Speed Bumps	6.81	
	01 55 26 00-0058	WK	6' Long Portable Speed Bumps	20.42	
	01 55 26 00-0059	MO	6' Long Portable Speed Bumps	61.28	
	01 55 26 00-0060	DAY	8' To 12.5' Concrete Traffic Barrier	16.36	
	01 55 26 00-0061	WK	8' To 12.5' Concrete Traffic Barrier	49.07	
	01 55 26 00-0062	MO	8' To 12.5' Concrete Traffic Barrier	147.21	
	01 55 26 00-0063	DAY	>12.5' To 20' Concrete Traffic Barrier	32.71	
	01 55 26 00-0064	WK	>12.5' To 20' Concrete Traffic Barrier	98.14	
	01 55 26 00-0065	MO	>12.5' To 20' Concrete Traffic Barrier	294.42	
	01 55 26 00-0066	DAY	6' x 32" Tall Plastic Water Barrier	19.53	
	01 55 26 00-0067	WK	6' x 32" Tall Plastic Water Barrier	58.60	
	01 55 26 00-0068	MO	6' x 32" Tall Plastic Water Barrier	175.80	
	01 55 26 00-0069	DAY	6' x 46" Tall Plastic Water Barrier	27.89	
	01 55 26 00-0070	WK	6' x 46" Tall Plastic Water Barrier	83.67	
	01 55 26 00-0071	MO	6' x 46" Tall Plastic Water Barrier	251.02	
	01 55 26 00-0072	DAY	Sand Filled Crash Attenuator Barrels	10.92	
	01 55 26 00-0073	WK	Sand Filled Crash Attenuator Barrels	32.75	
	01 55 26 00-0074	MO	Sand Filled Crash Attenuator Barrels	98.25	
	01 55 26 00-0075	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	1,549.20	
01 55 26 00-0076			**Temporary Portable Signs And Message Displays Usage** *(01 55 26 00-0018)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.		
	01 55 26 00-0077	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.57	
	01 55 26 00-0078	WK	Mesh Or Vinyl Roll-up Sign With Stand	25.71	
	01 55 26 00-0079	MO	Mesh Or Vinyl Roll-up Sign With Stand	77.14	
	01 55 26 00-0080	DAY	Aluminum Sign And Post	4.76	
	01 55 26 00-0081	WK	Aluminum Sign And Post	14.28	
	01 55 26 00-0082	MO	Aluminum Sign And Post	42.84	
	01 55 26 00-0083	DAY	Aluminum Sign And A Frame Stand	5.23	
	01 55 26 00-0084	WK	Aluminum Sign And A Frame Stand	15.68	
	01 55 26 00-0085	MO	Aluminum Sign And A Frame Stand	47.05	
	01 55 26 00-0086	DAY	Trailer Mounted Flashing Arrow Board	165.00	
	01 55 26 00-0087	WK	Trailer Mounted Flashing Arrow Board	456.69	
	01 55 26 00-0088	MO	Trailer Mounted Flashing Arrow Board	1,208.02	
	01 55 26 00-0089	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	340.65	
	01 55 26 00-0090	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	908.40	
	01 55 26 00-0091	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,816.80	
	01 55 26 00-0092	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,457.96	
	01 55 26 00-0093	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,373.88	
	01 55 26 00-0094	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,121.64	
01 55 26 00-0095			**Place And Remove Temporary Traffic Protection Using Truck** *(01 55 26 00-0018)* Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0034 for delivery >15 miles.		
	01 55 26 00-0096	EA	Placement And Removal Of Up To 250 Cones Using Truck	5.25	
	01 55 26 00-0097	EA	Placement And Removal Of >250 Cones Using Truck	4.60	
	01 55 26 00-0098	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	8.67	
	01 55 26 00-0099	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	7.23	
	01 55 26 00-0100	EA	Placement And Removal Of Up To 250 Barricades Using Truck	13.14	
	01 55 26 00-0101	EA	Placement And Removal Of >250 Barricades Using Truck	10.51	
	01 55 26 00-0102	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	13.14	
	01 55 26 00-0103	EA	Placement And Removal Of Portable Sign And Stand Using Truck	7.88	
	01 55 26 00-0104	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	32.85	
	01 55 26 00-0105	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	98.55	
	01 55 26 00-0106	EA	Placement And Removal Of 8' To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	132.62	
			For 1 Barrier, Add	*331.55*	
			For 2 Barriers, Add	*119.36*	
			For 3 Barriers, Add	*39.79*	
	01 55 26 00-0107	EA	Placement And Removal Of >12.5' To 20' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	198.94	
			For 1 Barrier, Add	*497.35*	
			For 2 Barriers, Add	*179.05*	
			For 3 Barriers, Add	*59.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0108	EA	Placement And Removal Of Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	73.78	
		For 1 Barrier, Add	*165.78*	
		For 2 Barriers, Add	*59.68*	
		For 3 Barriers, Add	*19.89*	
01 55 26 00-0109	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	99.47	
		For 1 Barrier, Add	*248.68*	
		For 2 Barriers, Add	*89.52*	
		For 3 Barriers, Add	*29.84*	
01 55 26 00-0110	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	729.44	

01 55 26 00-0111 Place And Remove Temporary Traffic Protection From Roadside (Daily) *(01 55 26 00-0018)*

01 55 26 00-0112	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside	3.29	
01 55 26 00-0113	EA	Placement And Removal Of >250 Cones By Hand From Roadside	2.63	
01 55 26 00-0114	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	4.38	
01 55 26 00-0115	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	3.49	
01 55 26 00-0116	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	6.57	
01 55 26 00-0117	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	5.25	
01 55 26 00-0118	EA	Placement And Removal Of Portable Sign And Stand From Roadside	3.96	
01 55 26 00-0119	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	49.28	
01 55 26 00-0120	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	66.31	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

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

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.51	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.67	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.90	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.87	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.60	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.76	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.99	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.92	
01 56 16 00-0010	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.63	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.79	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	1.02	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.95	
01 56 16 00-0014	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.62	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.78	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	1.01	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.94	
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.69	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.85	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	1.08	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	1.01	
01 56 16 00-0022	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	1.14	

01 56 16 00-0023 Temporary Stud Wall *(01 56 16)*

Note: Includes removal after use.

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0024				**Temporary Stud Wall With Drywall** *(01 56 16 00-0023)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0025				**Temporary Stud Wall With Drywall** *(01 56 16 00-0024)*		
01 56 16 00-0026		SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.58	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0027		SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.58	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0028		SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.72	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0029		SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.59	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0030		SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.59	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0031		SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.87	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0032				**Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0024)*		
01 56 16 00-0033		SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.74	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0034		SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.79	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0035		SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.71	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0036		SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.82	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0037		SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.91	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0038		SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.01	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0039		SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.84	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0040		SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	13.07	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0041				**Temporary Stud Wall With Oriented Strand Board (OSB)** *(01 56 16 00-0023)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0042		SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.61	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0043		SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.70	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0044		SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.95	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0045		SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.08	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0046		SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.64	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0047		SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.82	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0048		SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.32	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0049		SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.59	
				For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0050				**Temporary Stud Wall With BC Plywood** *(01 56 16 00-0023)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0051		SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.20	
				For Metal Studs 24" On Center, Add/Deduct	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0052	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.53	
		For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0053	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.86	
		For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0054	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.13	
		For Metal Studs 24" On Center, Add/Deduct	*0.85*	
01 56 16 00-0055	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.83	
		For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0056	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	12.48	
		For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0057	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	13.14	
		For Metal Studs 24" On Center, Add/Deduct	*0.97*	
01 56 16 00-0058	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	13.69	
		For Metal Studs 24" On Center, Add/Deduct	*0.97*	

01 56 16 00-0059 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0023)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.

01 56 16 00-0060	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.25	
		For Metal Studs 24" On Center, Add/Deduct	*0.72*	
01 56 16 00-0061	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.34	
		For Metal Studs 24" On Center, Add/Deduct	*0.72*	
01 56 16 00-0062	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.36	
		For Metal Studs 24" On Center, Add/Deduct	*0.72*	
01 56 16 00-0063	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.35	
		For Metal Studs 24" On Center, Add/Deduct	*0.72*	
01 56 16 00-0064	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.43	
		For Metal Studs 24" On Center, Add/Deduct	*0.72*	

01 56 16 00-0065 Temporary Doors *(01 56 16 00-0023)*

Note: For temporary stud walls. Includes removal after use.

01 56 16 00-0066	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	687.87	

01 56 16 00-0067 Temporary Floor Protection *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0068	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	2.14	
01 56 16 00-0069	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.33	
01 56 16 00-0070	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.63	
01 56 16 00-0071	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.98	
01 56 16 00-0072	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.43	
01 56 16 00-0073	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.76	
		For Seam Tape, Add Per LF	*0.27*	
01 56 16 00-0074	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.86	
		For Seam Tape, Add Per LF	*0.27*	

01 56 16 00-0075 Sticky Mats *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0076	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	40.43	
		For 60 Layers Instead Of 30, Add	*25.58*	
01 56 16 00-0077	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	46.12	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0078	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	46.12	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0079	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	60.33	
		For 60 Layers Instead Of 30, Add	*40.51*	
01 56 16 00-0080	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	66.02	
		For 60 Layers Instead Of 30, Add	*44.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0081	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	71.70	
		For 60 Layers Instead Of 30, Add	*49.04*	
01 56 16 00-0082	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	142.78	
		For 60 Layers Instead Of 30, Add	*102.35*	
01 56 16 00-0083	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	170.07	

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Per ASTM A392-06 Standards

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	8.63	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	9.59	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	12.87	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.02*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	26.93	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-3.04*	
		For Each LF Shade Cloth, Add	*4.75*	

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

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	9.00	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.59*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	9.99	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	13.54	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.12*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	28.95	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.34*	
		For Each LF Shade Cloth, Add	*4.75*	

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

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	9.40	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	10.45	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	14.30	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.24*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	31.18	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-3.67*	
		For Each LF Shade Cloth, Add	*4.75*	

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	9.82	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	10.90	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.80*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	15.11	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.36*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	33.62	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-4.04*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	322.36	
		For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	556.21	
		For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	620.69	
		For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	707.89	
		For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	845.06	
		For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	943.81	
		For Each LF Shade Cloth, Add	*101.96*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	346.62	
		For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	603.89	
		For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	675.70	
		For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	786.74	
		For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	949.34	
		For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,083.85	
		For Each LF Shade Cloth, Add	*162.49*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	388.09	
		For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	696.52	
		For Shade Cloth, Add	*95.58*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	776.40	
		For Shade Cloth, Add	*114.70*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	891.18	
		For Shade Cloth, Add	*143.38*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,089.14	
		For Shade Cloth, Add	*191.17*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,275.57	
		For Shade Cloth, Add	*229.40*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	467.55	
		For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	829.88	
		For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	927.10	
		For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,062.47	
		For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,298.86	
		For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,513.86	
		For Each LF Shade Cloth, Add	*302.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0055		EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	333.74	
			For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0056		EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	573.91	
			For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0057		EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	640.91	
			For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0058		EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	730.65	
			For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0059		EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	872.88	
			For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0060		EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	974.16	
			For Each LF Shade Cloth, Add	*101.96*	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0062		EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	358.52	
			For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0063		EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	622.39	
			For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0064		EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	696.85	
			For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0065		EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	810.53	
			For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0066		EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	978.42	
			For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0067		EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,115.57	
			For Each LF Shade Cloth, Add	*162.49*	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0069		EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	401.17	
			For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0070		EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	716.87	
			For Shade Cloth, Add	*95.58*	
01 56 26 00-0071		EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	799.67	
			For Shade Cloth, Add	*114.70*	
01 56 26 00-0072		EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	917.36	
			For Shade Cloth, Add	*143.38*	
01 56 26 00-0073		EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,121.13	
			For Shade Cloth, Add	*191.17*	
01 56 26 00-0074		EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,310.47	
			For Shade Cloth, Add	*229.40*	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0076		EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	483.90	
			For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0077		EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	855.33	
			For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0078		EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	956.18	
			For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0079		EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,095.19	
			For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0080		EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,338.85	
			For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0081		EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,557.48	
			For Each LF Shade Cloth, Add	*302.68*	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0084		EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	345.68	
			For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0085		EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	592.49	
			For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0086		EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	662.16	
			For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0087		EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	754.55	
			For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0088		EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	902.08	
			For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0089		EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,006.02	
			For Each LF Shade Cloth, Add	*101.96*	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0091		EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	371.01	
			For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0092		EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	641.82	
			For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0093		EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	719.06	
			For Each LF Shade Cloth, Add	*81.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	835.52	
		For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,008.96	
		For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,148.88	
		For Each LF Shade Cloth, Add	*162.49*	
01 56 26 00-0097		8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	414.91	
		For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	738.24	
		For Shade Cloth, Add	*95.58*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	824.10	
		For Shade Cloth, Add	*114.70*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	944.84	
		For Shade Cloth, Add	*143.38*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,154.72	
		For Shade Cloth, Add	*191.17*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,347.11	
		For Shade Cloth, Add	*229.40*	
01 56 26 00-0104		10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	501.08	
		For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	882.05	
		For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	986.72	
		For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,129.54	
		For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,380.83	
		For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,603.28	
		For Each LF Shade Cloth, Add	*302.68*	
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	357.63	
		For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	611.08	
		For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	683.40	
		For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	778.44	
		For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	931.29	
		For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	1,037.88	
		For Each LF Shade Cloth, Add	*101.96*	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	383.50	
		For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	661.25	
		For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	741.26	
		For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	860.50	
		For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,039.49	
		For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,182.19	
		For Each LF Shade Cloth, Add	*162.49*	
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	428.65	
		For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	759.62	
		For Shade Cloth, Add	*95.58*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	848.52	
		For Shade Cloth, Add	*114.70*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	972.32	
		For Shade Cloth, Add	*143.38*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,188.30	
		For Shade Cloth, Add	*191.17*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,383.75	
		For Shade Cloth, Add	*229.40*	
01 56 26 00-0133		10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	518.25	
		For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	908.76	
		For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,017.25	
		For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,163.89	
		For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,422.81	
		For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,649.08	
		For Each LF Shade Cloth, Add	*302.68*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

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

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	9.33	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.64*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	10.35	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.72*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	13.78	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.16*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.70	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.70*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	10.75	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.78*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	14.46	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.26*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	10.07	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	11.21	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	15.22	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	10.53	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.82*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	11.67	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.92*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	16.01	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.49*	
		For Each LF Shade Cloth, Add	*3.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0157		Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*		
01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	9.10	
01 56 26 00-0159		Temporary Safety Fence *(01 56 26)* Note: Includes removal after use.		
01 56 26 00-0160	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	4.26	
01 56 29		**Temporary Protective Walkways** *(01 56)*		
01 56 29 00-0001		Temporary Sidewalk Bridge Protection *(01 56 29)*		
01 56 29 00-0002		Installation of Sidewalk Bridge *(01 56 29 00-0001)* Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	218.76	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
		For Up To 25, Add	*218.76*	
		For >25 To 50, Add	*164.07*	
		For >50 To 100, Add	*98.44*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	5.58	
		For Up To 25, Add	*5.58*	
		For >25 To 50, Add	*4.19*	
		For >50 To 100, Add	*2.51*	
01 56 29 00-0005		Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)* Note: Minimum three months rental. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.49	
		For 3 Post System, Add	*2.32*	
		For Up To 25, Add	*15.49*	
		For >25 To 50, Add	*11.62*	
		For >50 To 100, Add	*6.97*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	17.45	
		For 3 Post System, Add	*2.62*	
		For Up To 25, Add	*17.45*	
		For >25 To 50, Add	*13.09*	
		For >50 To 100, Add	*7.85*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
		For 3 Post System, Add	*2.91*	
		For Up To 25, Add	*19.38*	
		For >25 To 50, Add	*14.54*	
		For >50 To 100, Add	*8.72*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
		For 3 Post System, Add	*2.91*	
		For Up To 25, Add	*19.38*	
		For >25 To 50, Add	*14.54*	
		For >50 To 100, Add	*8.72*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	21.30	
		For 3 Post System, Add	*3.20*	
		For Up To 25, Add	*21.30*	
		For >25 To 50, Add	*15.98*	
		For >50 To 100, Add	*9.59*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	25.21	
		For 3 Post System, Add	*3.78*	
		For Up To 25, Add	*25.21*	
		For >25 To 50, Add	*18.91*	
		For >50 To 100, Add	*11.34*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	23.28	
		For 3 Post System, Add	*3.49*	
		For Up To 25, Add	*23.28*	
		For >25 To 50, Add	*17.46*	
		For >50 To 100, Add	*10.48*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	27.15	
		For 3 Post System, Add	*4.07*	
		For Up To 25, Add	*27.15*	
		For >25 To 50, Add	*20.36*	
		For >50 To 100, Add	*12.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.05	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.36*	
		For Up To 25, Add	*29.05*	
		For >25 To 50, Add	*21.79*	
		For >50 To 100, Add	*13.07*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.90	
		For Up To 25, Add	*2.90*	
		For >25 To 50, Add	*2.18*	
		For >50 To 100, Add	*1.31*	

01 56 29 00-0016 Removal of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	45.53	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
		For Up To 25, Add	*45.53*	
		For >25 To 50, Add	*34.15*	
		For >50 To 100, Add	*20.49*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.90	
		For Up To 25, Add	*1.90*	
		For >25 To 50, Add	*1.43*	
		For >50 To 100, Add	*0.86*	

01 56 29 00-0019 After Hour Emergency Repair Of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0020	EA	Replace Light Fixture, After Hour Emergency Repair Of Sidewalk Bridge	310.12	
		For Each Additional Replacement Of Light Fixture, Add	*155.06*	
01 56 29 00-0021	EA	Replace Ground Tail, After Hour Emergency Repair Of Sidewalk Bridge	206.75	
		For Each Additional Replacement Of Ground Tail, Add	*103.38*	
01 56 29 00-0022	EA	Replace Ground Rod And Tail, After Hour Emergency Repair Of Sidewalk Bridge	258.44	
		For Each Additional Replacement Of Ground Rod And Ground Tail, Add	*129.22*	
01 56 29 00-0023	LF	Replace Rigid Conduit And Wire, After Hour Emergency Repair Of Sidewalk Bridge	41.35	
		For Each Additional Replacement Rigid Conduit And Wire, Add	*20.68*	

01 56 29 00-0024 Temporary Safety Nets *(01 56 29)*

Note: Includes removal after use.

01 56 29 00-0025	SF	Small Mesh Debris Netting	3.09	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01 56 33 Temporary Security Barriers *(01 56)*

01 56 33 00-0001 Board-up Opening With Plywood *(01 56 33)*

Note: For use where directed by owner for boarding up door and window openings.

01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	18.96	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.72	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	12.42	

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

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

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

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

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

Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	254.64	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	296.50	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	321.05	

01 57 Temporary Controls *(01 50)*

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

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

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

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

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

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	125.94	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	123.82	
		Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	153.77	
		Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	151.62	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	183.73	

01 57 33 Temporary Security *(01 57)*

01 57 33 00-0001 Temporary Construction Cameras (OxBlue) *(01 57 33)*

Note: High resolution image is taken every 10 to 15 minutes. Includes project specific mounting option unless non-penetrating roof mount is required. Includes configuration, installation, removing and cleaning after completion of a project and turning over to the owner.

01 57 33 00-0002 Temporary Construction Cameras (OxBlue) *(01 57 33 00-0001)*

Note: Includes weather-proof aluminum enclosure with environmental controls, integrated industrial cellular modem, wide-angle lens with a 78 degree horizontal field of view, and remotely adjustable optical zoom. Excludes non-penetrating roof mounts.

01 57 33 00-0003	EA	4 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue)	9,229.00
		For Owner Furnished Materials, Deduct	*-8,507.76*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*459.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*4,406.40*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*8,262.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*11,566.80*
01 57 33 00-0004	EA	6 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue)	9,625.96
		For Owner Furnished Materials, Deduct	*-8,904.72*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*478.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*4,588.80*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*8,604.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*12,045.60*
01 57 33 00-0005	EA	8 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue)	10,614.23
		For Owner Furnished Materials, Deduct	*-9,892.99*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*574.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*5,510.40*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*10,332.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*14,464.80*
01 57 33 00-0006	EA	12 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue)	11,604.56
		For Owner Furnished Materials, Deduct	*-10,883.32*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*622.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*5,971.20*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*11,196.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*15,674.40*
01 57 33 00-0007	EA	12 Hour Solar Station For Temporary Construction Cameras (OxBlue)	7,727.48
		For Owner Furnished Materials, Deduct	*-6,926.12*
01 57 33 00-0008	EA	24 Hour Solar Station For Temporary Construction Cameras (OxBlue)	9,706.08
		For Owner Furnished Materials, Deduct	*-8,904.72*

01 57 33 00-0009 PTZ Temporary Construction Cameras With Robotic Base (OxBlue) *(01 57 33 00-0001)*

Note: Includes robotic base, weather-proof aluminum enclosure with environmental controls, integrated industrial cellular modem, wide-angle lens with a 360 degree total, remotely adjustable field of view, and remotely adjustable optical zoom. Excludes non-penetrating roof mounts.

01 57 33 00-0010	EA	4 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue)	25,817.42
		For Owner Furnished Materials, Deduct	*-24,735.57*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*473.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*4,540.80*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*8,514.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*11,919.60*
01 57 33 00-0011	EA	6 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue)	26,807.75
		For Owner Furnished Materials, Deduct	*-25,725.90*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*516.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*4,953.60*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*9,288.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*13,003.20*
01 57 33 00-0012	EA	8 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue)	28,786.35
		For Owner Furnished Materials, Deduct	*-27,704.50*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*602.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*5,779.20*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*10,836.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*31,364.80*
01 57 33 00-0013	EA	12 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue)	30,764.95
		For Owner Furnished Materials, Deduct	*-29,683.10*
		For 1 Month Prepaid Hosting And Wireless Service, Add	*622.00*
		For 1 Year Prepaid Hosting And Wireless Service, Add	*5,971.20*
		For 2 Years Prepaid Hosting And Wireless Service, Add	*11,196.00*
		For 3 Years Prepaid Hosting And Wireless Service, Add	*15,674.40*
01 57 33 00-0014	EA	12 Hour Solar Station For PTZ Temporary Construction Cameras With Robotic Base (OxBlue)	11,684.68
		For Owner Furnished Materials, Deduct	*-10,883.32*
01 57 33 00-0015	EA	24 Hour Solar Station For PTZ Temporary Construction Cameras With Robotic Base (OxBlue)	15,246.98
		For Owner Furnished Materials, Deduct	*-14,445.62*

01 57 33 00-0016 Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue) *(01 57 33 00-0001)*

01 57 33 00-0017	EA	34" x 40" With 8' Mast, Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue)	959.56
		For Owner Furnished Materials, Deduct	*-799.29*
01 57 33 00-0018	EA	72" x 72" With 8' Mast, Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue)	1,355.37
		For Owner Furnished Materials, Deduct	*-1,195.10*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 33 00-0019		Temporary Construction Cameras (EarthCam) *(01 57 33)* Note: Includes installation, removing and cleaning after completion of a project and turning over to the owner.		
01 57 33 00-0020		HD PTZ Construction Cameras (EarthCam ConstructionCam HD) *(01 57 33 00-0019)*		
01 57 33 00-0021	EA	HD PTZ Construction Camera (EarthCam ConstructionCam HD)	12,238.08	
		For Owner Furnished Materials, Deduct	*-11,156.23*	
01 57 33 00-0022	EA	All Weather 4G Wireless Data Modem With Antenna For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	3,132.84	
		For Owner Furnished Materials, Deduct	*-2,892.43*	
01 57 33 00-0023	EA	16 GB Image Backup For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	1,188.81	
01 57 33 00-0024	EA	Wall Mount With Pole Adapter For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	927.83	
		For Owner Furnished Materials, Deduct	*-783.58*	
01 57 33 00-0025	EA	Parapet Mount For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	568.09	
		For Owner Furnished Materials, Deduct	*-423.84*	
01 57 33 00-0026	EA	12 Hour, Solar System For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	15,317.28	
		For Owner Furnished Materials, Deduct	*-14,515.92*	
01 57 33 00-0027	EA	120" Non-Penetrating Roof Mount (NPRM) For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	1,605.45	
		For Owner Furnished Materials, Deduct	*-1,445.18*	
01 57 33 00-0028	SET	NPRM Protective Mat For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	254.83	
		For Owner Furnished Materials, Deduct	*-206.75*	
01 57 33 00-0029	EA	Configuration And Programming For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	827.00	
01 57 33 00-0030	EA	1 Month, Live Video Hosting And Robotic Software Service For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	1,023.41	
01 57 33 00-0031	EA	1 Month, 4G Wireless Data Service, Bandwidth Upgrade For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	465.19	
01 57 33 00-0032		HD PTZ Network Cameras (EarthCam NetworkCam HD) *(01 57 33 00-0019)*		
01 57 33 00-0033	EA	HD PTZ Network Camera (EarthCam NetworkCam HD)	6,240.26	
		For Owner Furnished Materials, Deduct	*-5,158.41*	
01 57 33 00-0034	EA	4G Wireless Data Modem With Antenna, Verizon Upgrade For HD PTZ Network Camera (EarthCam NetworkCam HD)	1,478.84	
		For Owner Furnished Materials, Deduct	*-1,238.43*	
01 57 33 00-0035	EA	Pole Mount Adapter (EarthCam NetworkCam HD)	268.30	
		For Owner Furnished Materials, Deduct	*-124.05*	
01 57 33 00-0036	EA	Parapet Mount For HD PTZ Network Camera (EarthCam NetworkCam HD)	351.00	
		For Owner Furnished Materials, Deduct	*-206.75*	
01 57 33 00-0037	EA	12 Hour, Solar System For HD PTZ Network Camera (EarthCam NetworkCam HD)	15,263.52	
		For Owner Furnished Materials, Deduct	*-14,462.16*	
01 57 33 00-0038	EA	120" Non-Penetrating Roof Mount (NPRM) For HD PTZ Network Camera (EarthCam NetworkCam HD)	1,605.45	
		For Owner Furnished Materials, Deduct	*-1,445.18*	
01 57 33 00-0039	SET	NPRM Protective Mat For HD PTZ Network Camera (EarthCam NetworkCam HD)	471.92	
		For Owner Furnished Materials, Deduct	*-423.84*	
01 57 33 00-0040	EA	Configuration And Programming For HD PTZ Network Camera (EarthCam NetworkCam HD)	620.25	
01 57 33 00-0041	EA	1 Month, Software Support And Archiving Service For HD PTZ Network Camera (EarthCam NetworkCam HD)	609.91	
01 57 33 00-0042	EA	1 Month, 4G Wireless Data Service, Bandwidth Upgrade For HD PTZ Network Camera (EarthCam NetworkCam HD)	411.43	
01 57 33 00-0043		PTZ Security Cameras (EarthCam SecurityCam Lite) *(01 57 33 00-0019)*		
01 57 33 00-0044	EA	PTZ Security Camera (EarthCam SecurityCam Lite)	4,287.68	
		For Owner Furnished Materials, Deduct	*-3,566.44*	
01 57 33 00-0045	EA	All Weather 4G Wireless Data Modem With Antenna For PTZ Security Camera (EarthCam SecurityCam Lite)	2,514.66	
		For Owner Furnished Materials, Deduct	*-2,274.25*	
01 57 33 00-0046	EA	Universal Pole Mount For PTZ Security Camera (EarthCam SecurityCam Lite)	348.93	
		For Owner Furnished Materials, Deduct	*-204.68*	
01 57 33 00-0047	EA	Configuration And Programming For PTZ Security Camera (EarthCam SecurityCam Lite)	930.38	
01 57 33 00-0048	EA	1 Month, Gold Managed Service For PTZ Security Camera (EarthCam SecurityCam Lite)	258.44	
01 57 33 00-0049	EA	1 Month, Control Center Lite Software Support Package For PTZ Security Camera (EarthCam SecurityCam Lite)	257.58	
01 57 33 00-0050	EA	1 Month, Wireless Data Service, Bandwidth Upgrade For PTZ Security Camera (EarthCam SecurityCam Lite)	237.76	
01 57 33 00-0051		HD Construction Cameras (EarthCam ConstructionCam Lite HD) *(01 57 33 00-0019)*		
01 57 33 00-0052	EA	HD Construction Camera (EarthCam ConstructionCam Lite HD)	9,086.34	
		For Owner Furnished Materials, Deduct	*-8,365.10*	
01 57 33 00-0053	EA	Universal Wall Mount For HD Construction Camera (EarthCam ConstructionCam Lite HD)	348.93	
		For Owner Furnished Materials, Deduct	*-204.68*	
01 57 33 00-0054	EA	Parapet Mount For HD Construction Camera (EarthCam ConstructionCam Lite HD)	568.09	
		For Owner Furnished Materials, Deduct	*-423.84*	
01 57 33 00-0055	EA	12 Hour, Solar System For HD Construction Camera (EarthCam ConstructionCam Lite HD)	15,687.36	
		For Owner Furnished Materials, Deduct	*-14,886.00*	
01 57 33 00-0056	EA	120" Non-Penetrating Roof Mount (NPRM) For HD Construction Camera (EarthCam ConstructionCam Lite HD)	1,605.45	
		For Owner Furnished Materials, Deduct	*-1,445.18*	
01 57 33 00-0057	SET	NPRM Protective Mat For HD Construction Camera (EarthCam ConstructionCam Lite HD)	254.83	
		For Owner Furnished Materials, Deduct	*-206.75*	
01 57 33 00-0058	EA	Configuration And Programming For HD Construction Camera (EarthCam ConstructionCam Lite HD)	827.00	
01 57 33 00-0059	EA	1 Month, Software Support And Archiving Service For HD Construction Camera (EarthCam ConstructionCam Lite HD)	837.34	
01 57 33 00-0060	EA	1 Month, Wireless Data Service, Bandwidth Upgrade For HD Construction Camera (EarthCam ConstructionCam Lite HD)	237.76	
01 57 33 00-0061		Network Video Recorders (EarthCam) *(01 57 33 00-0019)*		
01 57 33 00-0062	EA	1,000 GB, Hardened Network Video Recorder (EarthCam)	2,719.34	
		For Owner Furnished Materials, Deduct	*-2,478.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 33 00-0063		Mobile Trailer Cameras (EarthCam Mobile TrailerCam) *(01 57 33 00-0019)*		
01 57 33 00-0064	EA	Mobile Trailer Camera (EarthCam Mobile TrailerCam)	64,082.16	
01 57 33 00-0065	EA	Configuration And Programming For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	1,860.75	
01 57 33 00-0066	EA	1 Month, Platinum Managed Service For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	516.88	
01 57 33 00-0067	EA	1 Month, Robotic Camera Software Support Package For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	688.31	
01 57 33 00-0068	EA	1 Month, Wireless Data Service, Bandwidth Upgrade For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	237.76	
01 57 33 00-0069		Certified Installation Services (EarthCam) *(01 57 33 00-0019)*		
01 57 33 00-0070	EA	Certified Installation Service (EarthCam)	3,618.12	
01 57 33 00-0071		Temporary Construction Camera Protection *(01 57 33)*		
01 57 33 00-0072	EA	Galvanized Metal, Anchored Temporary CCTV Camera Protection	1,395.56	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001		Project Sign *(01 58 13)*		
01 58 13 00-0002		MDO Plywood Signs *(01 58 13 00-0001)*		
		Note: Excludes posts.		
01 58 13 00-0003		Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0004		Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*		
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	180.95	34.75
		For High-Intensity Grade, Add	*39.00*	
		For Diamond Grade, Add	*75.22*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	295.53	36.34
		For High-Intensity Grade, Add	*78.00*	
		For Diamond Grade, Add	*150.44*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	410.13	37.91
		For High-Intensity Grade, Add	*117.01*	
		For Diamond Grade, Add	*225.66*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	524.72	39.49
		For High-Intensity Grade, Add	*156.01*	
		For Diamond Grade, Add	*300.87*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	16.46	1.26
		For High-Intensity Grade, Add	*4.88*	
		For Diamond Grade, Add	*9.40*	
01 58 13 00-0010		Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0011		One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	227.57	34.75
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	268.45	36.34
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	331.77	37.91
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	391.62	39.49
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	12.30	1.26
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	232.02	34.75
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	292.44	36.34
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	356.15	37.91
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	412.51	39.49
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.95	1.26
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)*		
		Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	19.67	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	15.35	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	18.34	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	126.37	

01 60 Product Requirements *(01)*

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

01 66 19 00-0001		Transfer Delivered Materials Between Floors *(01 66 19)*		
		Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor	24.30	
		Note: Quantity equals volume of materials multiplied by number of floors traveled.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	15.80	
01 66 19 00-0004		Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)* Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	9.88	
01 66 19 00-0006		Transfer Demolition Debris Between Floors *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	24.30	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	15.80	
01 66 19 00-0009		Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	9.88	
01 66 19 00-0011		Moving Furniture And Furnishings *(01 66 19)* Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.58	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	592.51	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,632.67	
01 71 13 00-0004		Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	632.01	
		For >30 To 60 Miles, Add	*158.00*	
		For >60 To 100 Miles, Add	*252.80*	
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,027.02	
		For >30 To 60 Miles, Add	*256.76*	
		For >60 To 100 Miles, Add	*410.81*	
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,422.02	
		For >30 To 60 Miles, Add	*355.51*	
		For >60 To 100 Miles, Add	*568.81*	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,291.04	
		For >30 To 60 Miles, Add	*572.76*	
		For >60 To 100 Miles, Add	*916.42*	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,875.64	
		For >30 To 60 Miles, Add	*718.91*	
		For >60 To 100 Miles, Add	*1,150.26*	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,578.76	
		For >30 To 60 Miles, Add	*894.69*	
		For >60 To 100 Miles, Add	*1,431.50*	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	4,123.86	
		For >30 To 60 Miles, Add	*1,030.97*	
		For >60 To 100 Miles, Add	*1,649.54*	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	4,613.67	
		For >30 To 60 Miles, Add	*1,153.42*	
		For >60 To 100 Miles, Add	*1,845.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,449.03	
		For >30 To 60 Miles, Add	*612.26*	
		For >60 To 100 Miles, Add	*979.61*	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,871.06	
		For >30 To 60 Miles, Add	*967.77*	
		For >60 To 100 Miles, Add	*1,548.42*	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,898.08	
		For >30 To 60 Miles, Add	*1,224.52*	
		For >60 To 100 Miles, Add	*1,959.23*	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,083.09	
		For >30 To 60 Miles, Add	*1,520.77*	
		For >60 To 100 Miles, Add	*2,433.24*	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,584.11	
		For >30 To 60 Miles, Add	*1,896.03*	
		For >60 To 100 Miles, Add	*3,033.64*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	8,848.13	
		For >30 To 60 Miles, Add	*2,212.03*	
		For >60 To 100 Miles, Add	*3,539.25*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	12,640.19	
		For >30 To 60 Miles, Add	*3,160.05*	
		For >60 To 100 Miles, Add	*5,056.08*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	17,332.86	
		For >30 To 60 Miles, Add	*4,333.22*	
		For >60 To 100 Miles, Add	*6,933.14*	

01 71 36 Non-Destructive Concrete Examination *(01 71)*

01 71 36 00-0001 Electromagnetic (SIR/GPR) Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,161.90
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,742.85
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,485.70

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	387.30
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	774.60
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,742.85

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

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

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

01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	45.28
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	68.41

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	17.92
		For Steel Liner, Add	*3.49*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.54
		For Steel Liner, Add	*4.01*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	23.16
		For Steel Liner, Add	*4.52*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0009		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0010	EA	4 CY Dumpster (1 Ton Capacity), "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	393.53	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0011	EA	6 CY Dumpster (1 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	424.40	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	501.56	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	552.71	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	629.72	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	814.89	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	1,121.05	
		For Each Ton Over Indicated Amount, Add	*115.67*	
01 74 19 00-0017		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0018	MO	Rampless Concrete Washout Bin Note: Includes delivery.	541.93	
01 74 19 00-0019	MO	Ramped Concrete Washout Bin Note: Includes delivery.	650.32	
01 74 19 00-0020	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	640.17	
01 74 19 00-0021	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,387.04	
01 74 19 00-0022		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0023		**Material Recycling Fees** *(01 74 19 00-0022)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0024	CY	Drop-Off Asphalt At Recycling Center	35.70	
01 74 19 00-0025	CY	Drop-Off Non Reinforced Concrete At Recycling Center	30.67	
01 74 19 00-0026	CY	Drop-Off Reinforced Concrete At Recycling Center	36.79	
01 74 19 00-0027	CY	Drop-Off Brick/Block At Recycling Center	48.68	
01 74 19 00-0028	CY	Drop-Off Dirt At Recycling Center	27.21	
01 74 19 00-0029	CY	Drop-Off Dimensional Lumber At Re-Cycling Center	11.16	
01 74 19 00-0030		**Landfill Dump Fees** *(01 74 19 00-0022)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0034 for hauling.		
01 74 19 00-0031	CY	Trees, Stumps And Brush, Landfill Dump Fee	47.21	
01 74 19 00-0032	CY	Mixed Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	44.10	
01 74 19 00-0033	TON	Traditional Building Construction Materials, Landfill Dump Fee	94.23	
01 74 19 00-0034		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0035	CYM	Hauling On Paved Roads, First 15 Miles	1.42	
01 74 19 00-0036	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.94	

01 95 Residential Construction *(01)*

01 95 07 Residential - Thermal and Moisture Protection *(01 95)*

01 95 07 00-0001 **Residential Roofing** *(01 95 07)*

01 95 07 00-0002 **Flashing** *(01 95 07 00-0001)*

01 95 07 00-0003	SF	Residential Aluminum Valley Flashing	39.29	3.53
01 95 07 00-0004	SF	Residential Aluminum Step Flashing	41.96	4.38
01 95 07 00-0005	SF	Copper Valley Flashing	24.63	3.53
01 95 07 00-0006	SF	Residential Copper Step Flashing	27.30	4.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 95 08 Residential - Doors and Windows *(01 95)*

01 95 08 00-0001 Residential Window Barrier *(01 95 08)*

01 95 08 00-0002	SF	Inoperable/Fixed, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR5Z)	28.71	0.92
01 95 08 00-0003	SF	Operable, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR50)	43.18	0.92

END OF SECTION 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

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

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

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

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

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

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

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

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

02 32 13 00-0002 EA Mobilization Of Drilling Crew 1,552.26

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

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 46.75

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

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 110.41
02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 188.75

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

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 118.09
Note: Includes sampling.
02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 10.70

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

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 152.34
Note: Includes sampling.
02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 12.31

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

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

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

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 91.49
02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 106.74
02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 142.32

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

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 280.79
02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 505.43

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

02 32 13 00-0023 EA Shelby Tube Sampling 55.95
02 32 13 00-0024 EA Penetration Test 45.59

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

02 32 13 00-0026 VLF Boreholes 10.61

02 32 19 Exploratory Excavations *(02 32)*

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

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1120 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0030 for off-site disposal fee of material, 01 74 19 00-0034 for hauling excavated soil from site.

02 32 19 00-0002 EA Minimum Charge For Hydro Excavation 1,868.67
Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.
02 32 19 00-0003 EA 600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day 1,067.81
Note: Includes initial water.
02 32 19 00-0004 EA 1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day 1,334.76
Note: Includes initial water
02 32 19 00-0005 EA Move And Set-up At Different Access/Location, Hydro Excavation 133.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	111.32	
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	178.06	

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	9.18
		For >500 To 1,000, Deduct	*-0.92*
		For >1,000 To 2,500, Deduct	*-1.65*
		For >2,500 To 5,000, Deduct	*-2.39*
		For >5,000 To 10,000, Deduct	*-3.12*
		For >10,000, Deduct	*-3.86*
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	13.78
		For >500 To 1,000, Deduct	*-1.38*
		For >1,000 To 2,500, Deduct	*-2.48*
		For >2,500 To 5,000, Deduct	*-3.58*
		For >5,000 To 10,000, Deduct	*-4.69*
		For >10,000, Deduct	*-5.79*
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	18.37
		For >500 To 1,000, Deduct	*-1.84*
		For >1,000 To 2,500, Deduct	*-3.31*
		For >2,500 To 5,000, Deduct	*-4.78*
		For >5,000 To 10,000, Deduct	*-6.25*
		For >10,000, Deduct	*-7.72*
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	17.24
		For >500 To 1,000, Deduct	*-1.72*
		For >1,000 To 2,500, Deduct	*-3.10*
		For >2,500 To 5,000, Deduct	*-4.48*
		For >5,000 To 10,000, Deduct	*-5.86*
		For >10,000, Deduct	*-7.24*
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	24.33
		For >500 To 1,000, Deduct	*-2.43*
		For >1,000 To 2,500, Deduct	*-4.38*
		For >2,500 To 5,000, Deduct	*-6.33*
		For >5,000 To 10,000, Deduct	*-8.27*
		For >10,000, Deduct	*-10.22*
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	34.47
		For >500 To 1,000, Deduct	*-3.45*
		For >1,000 To 2,500, Deduct	*-6.20*
		For >2,500 To 5,000, Deduct	*-8.96*
		For >5,000 To 10,000, Deduct	*-11.72*
		For >10,000, Deduct	*-14.48*
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	48.66
		For >500 To 1,000, Deduct	*-4.87*
		For >1,000 To 2,500, Deduct	*-8.76*
		For >2,500 To 5,000, Deduct	*-12.65*
		For >5,000 To 10,000, Deduct	*-16.54*
		For >10,000, Deduct	*-20.44*
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	63.63
		For >500 To 1,000, Deduct	*-6.36*
		For >1,000 To 2,500, Deduct	*-11.45*
		For >2,500 To 5,000, Deduct	*-16.54*
		For >5,000 To 10,000, Deduct	*-21.63*
		For >10,000, Deduct	*-26.72*
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	82.73
		For >500 To 1,000, Deduct	*-8.27*
		For >1,000 To 2,500, Deduct	*-14.89*
		For >2,500 To 5,000, Deduct	*-21.51*
		For >5,000 To 10,000, Deduct	*-28.13*
		For >10,000, Deduct	*-34.75*

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0037 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	2.43
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	3.08
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	4.07
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	3.04
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.86
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	5.09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018		By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	19.24	
		For Elevated Slab, Add	*9.62*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000 To 2,500, Deduct	*-3.46*	
		For >2,500 To 5,000, Deduct	*-5.00*	
		For >5,000 To 10,000, Deduct	*-6.54*	
		For >10,000, Deduct	*-8.08*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	26.27	
		For Elevated Slab, Add	*13.14*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000 To 2,500, Deduct	*-4.73*	
		For >2,500 To 5,000, Deduct	*-6.83*	
		For >5,000 To 10,000, Deduct	*-8.93*	
		For >10,000, Deduct	*-11.03*	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	36.44	
		For Elevated Slab, Add	*18.22*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000 To 2,500, Deduct	*-6.56*	
		For >2,500 To 5,000, Deduct	*-9.47*	
		For >5,000 To 10,000, Deduct	*-12.39*	
		For >10,000, Deduct	*-15.30*	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	47.55	
		For Elevated Slab, Add	*23.78*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000 To 2,500, Deduct	*-8.56*	
		For >2,500 To 5,000, Deduct	*-12.36*	
		For >5,000 To 10,000, Deduct	*-16.17*	
		For >10,000, Deduct	*-19.97*	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	66.18	
		For Elevated Slab, Add	*33.09*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000 To 2,500, Deduct	*-11.91*	
		For >2,500 To 5,000, Deduct	*-17.21*	
		For >5,000 To 10,000, Deduct	*-22.50*	
		For >10,000, Deduct	*-27.80*	
02 41 13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	22.13	
		For Elevated Slab, Add	*11.07*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000 To 2,500, Deduct	*-3.98*	
		For >2,500 To 5,000, Deduct	*-5.75*	
		For >5,000 To 10,000, Deduct	*-7.52*	
		For >10,000, Deduct	*-9.29*	
02 41 13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	28.95	
		For Elevated Slab, Add	*14.48*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000 To 2,500, Deduct	*-5.21*	
		For >2,500 To 5,000, Deduct	*-7.53*	
		For >5,000 To 10,000, Deduct	*-9.84*	
		For >10,000, Deduct	*-12.16*	
02 41 13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	51.71	
		For Elevated Slab, Add	*25.86*	
		For >500 To 1,000, Deduct	*-5.17*	
		For >1,000 To 2,500, Deduct	*-9.31*	
		For >2,500 To 5,000, Deduct	*-13.44*	
		For >5,000 To 10,000, Deduct	*-17.58*	
		For >10,000, Deduct	*-21.72*	
02 41 13 13-0027	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	67.54	
		For Elevated Slab, Add	*33.77*	
		For >500 To 1,000, Deduct	*-6.75*	
		For >1,000 To 2,500, Deduct	*-12.16*	
		For >2,500 To 5,000, Deduct	*-17.56*	
		For >5,000 To 10,000, Deduct	*-22.96*	
		For >10,000, Deduct	*-28.37*	
02 41 13 13-0028	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	29.36	
		For Elevated Slab, Add	*14.68*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000 To 2,500, Deduct	*-5.28*	
		For >2,500 To 5,000, Deduct	*-7.63*	
		For >5,000 To 10,000, Deduct	*-9.98*	
		For >10,000, Deduct	*-12.33*	
02 41 13 13-0029	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	38.06	
		For Elevated Slab, Add	*19.03*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000 To 2,500, Deduct	*-6.85*	
		For >2,500 To 5,000, Deduct	*-9.90*	
		For >5,000 To 10,000, Deduct	*-12.94*	
		For >10,000, Deduct	*-15.99*	
02 41 13 13-0030	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	63.08	
		For Elevated Slab, Add	*31.54*	
		For >500 To 1,000, Deduct	*-6.31*	
		For >1,000 To 2,500, Deduct	*-11.35*	
		For >2,500 To 5,000, Deduct	*-16.40*	
		For >5,000 To 10,000, Deduct	*-21.45*	
		For >10,000, Deduct	*-26.49*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0031		SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	31.85	
			For Elevated Slab, Add	*15.93*	
			For >500 To 1,000, Deduct	*-3.19*	
			For >1,000 To 2,500, Deduct	*-5.73*	
			For >2,500 To 5,000, Deduct	*-8.28*	
			For >5,000 To 10,000, Deduct	*-10.83*	
			For >10,000, Deduct	*-13.38*	
02 41 13 13-0032		SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	40.95	
			For Elevated Slab, Add	*20.48*	
			For >500 To 1,000, Deduct	*-4.10*	
			For >1,000 To 2,500, Deduct	*-7.37*	
			For >2,500 To 5,000, Deduct	*-10.65*	
			For >5,000 To 10,000, Deduct	*-13.92*	
			For >10,000, Deduct	*-17.20*	
02 41 13 13-0033		SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	73.22	
			For Elevated Slab, Add	*36.61*	
			For >500 To 1,000, Deduct	*-7.32*	
			For >1,000 To 2,500, Deduct	*-13.18*	
			For >2,500 To 5,000, Deduct	*-19.04*	
			For >5,000 To 10,000, Deduct	*-24.89*	
			For >10,000, Deduct	*-30.75*	
02 41 13 13-0034		SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	95.55	
			For Elevated Slab, Add	*47.78*	
			For >500 To 1,000, Deduct	*-9.56*	
			For >1,000 To 2,500, Deduct	*-17.20*	
			For >2,500 To 5,000, Deduct	*-24.84*	
			For >5,000 To 10,000, Deduct	*-32.49*	
			For >10,000, Deduct	*-40.13*	
02 41 13 13-0035		SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	124.92	
			For Elevated Slab, Add	*62.46*	
			For >500 To 1,000, Deduct	*-12.49*	
			For >1,000 To 2,500, Deduct	*-22.49*	
			For >2,500 To 5,000, Deduct	*-32.48*	
			For >5,000 To 10,000, Deduct	*-42.47*	
			For >10,000, Deduct	*-52.47*	
02 41 13 13-0036		SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	151.60	
			For Elevated Slab, Add	*75.80*	
			For >500 To 1,000, Deduct	*-15.16*	
			For >1,000 To 2,500, Deduct	*-27.29*	
			For >2,500 To 5,000, Deduct	*-39.42*	
			For >5,000 To 10,000, Deduct	*-51.54*	
			For >10,000, Deduct	*-63.67*	

02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

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

02 41 13 13-0038		SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	5.42	
02 41 13 13-0039		SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	7.13	
02 41 13 13-0040		SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	9.27	
02 41 13 13-0041		SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	6.78	
02 41 13 13-0042		SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	9.35	
02 41 13 13-0043		SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	11.98	

02 41 13 13-0044 Grind Concrete *(02 41 13 13)*

02 41 13 13-0045		EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.	277.01	
			For >1/2" To 1" Depth Of Grinding, Add	*41.55*	
			For >1" To 1-1/2" Depth Of Grinding, Add	*69.25*	
			For Up To 5, Add	*55.40*	
			For >5 To 10, Add	*27.70*	
			For >25 To 50, Deduct	*-27.70*	
			For >50 To 250, Deduct	*-41.55*	
			For >250, Deduct	*-55.40*	
			For Sidewalks >5', Add	*27.70*	
			For Up To 12" Additional Feathering Per Side, Add	*27.70*	

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002		SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	10.27	
02 41 13 15-0003		SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	12.84	
02 41 13 15-0004		SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	17.17	
02 41 13 15-0005		SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	34.19	

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*

Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	10.57	
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	16.00	
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	13.09	
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	11.63	

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*

Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition	93.86	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.04*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-14.08*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-21.12*
		For Up To 500, Add		*28.16*
		For >500 To 1,000, Add		*18.77*
		For >1,000 To 2,000, Add		*9.39*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*30.97*
		For No Interior Partitions, Deduct		*-23.47*
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition	57.10	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.28*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.57*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-12.85*
		For Up To 500, Add		*17.13*
		For >500 To 1,000, Add		*11.42*
		For >1,000 To 2,000, Add		*5.71*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*8.57*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*14.28*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*19.99*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*18.84*
		For No Interior Partitions, Deduct		*-14.28*

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	117.77	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-8.83*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-17.67*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-26.50*
		For Up To 500, Add		*35.33*
		For >500 To 1,000, Add		*23.55*
		For >1,000 To 2,000, Add		*11.78*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*38.86*
		For No Interior Partitions, Deduct		*-29.44*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition	75.39	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.65*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-11.31*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-16.96*
		For Up To 500, Add		*22.62*
		For >500 To 1,000, Add		*15.08*
		For >1,000 To 2,000, Add		*7.54*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*11.31*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*18.85*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*26.39*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*24.88*
		For No Interior Partitions, Deduct		*-18.85*

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

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	100.27	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.52*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-15.04*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-22.56*
		For Up To 500, Add		*30.08*
		For >500 To 1,000, Add		*20.05*
		For >1,000 To 2,000, Add		*10.03*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*33.09*
		For No Interior Partitions, Deduct		*-25.07*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition		63.31
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.75*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-9.50*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-14.24*
		For Up To 500, Add		*18.99*
		For >500 To 1,000, Add		*12.66*
		For >1,000 To 2,000, Add		*6.33*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*9.50*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*15.83*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*22.16*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*20.89*
		For No Interior Partitions, Deduct		*-15.83*

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

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		82.76
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.21*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-12.41*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-18.62*
		For Up To 500, Add		*24.83*
		For >500 To 1,000, Add		*16.55*
		For >1,000 To 2,000, Add		*8.28*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*27.31*
		For No Interior Partitions, Deduct		*-20.69*
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition		51.23
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.84*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.68*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-11.53*
		For Up To 500, Add		*15.37*
		For >500 To 1,000, Add		*10.25*
		For >1,000 To 2,000, Add		*5.12*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*7.68*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*12.81*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*17.93*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*16.91*
		For No Interior Partitions, Deduct		*-12.81*

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

02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		71.93
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.39*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.79*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-16.18*
		For Up To 500, Add		*21.58*
		For >500 To 1,000, Add		*14.39*
		For >1,000 To 2,000, Add		*7.19*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*23.74*
		For No Interior Partitions, Deduct		*-17.98*
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition		43.84
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.29*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.58*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-9.86*
		For Up To 500, Add		*13.15*
		For >500 To 1,000, Add		*8.77*
		For >1,000 To 2,000, Add		*4.38*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.58*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.47*
		For No Interior Partitions, Deduct		*-10.96*

02 41 16 13-0022 On-Site Sorting Of Material Debris For Recycling *(02 41 16 13-0006)*

Note: Per building volume.

02 41 16 13-0023	CCF	On-Site Sorting Of Material Debris For Recycling		13.88
		For Up To 500, Add		*4.16*
		For >500 To 1,000, Add		*2.78*
		For >1,000 To 2,000, Add		*1.39*

02 41 16 13-0024 Foundation Demolition *(02 41 16 13)*

Note: Excludes earthwork.

02 41 16 13-0025 Concrete Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition		20.43
		For >135 To 405, Deduct		*-1.79*
		For >405 To 810, Deduct		*-3.58*
		For >810 To 2025, Deduct		*-5.11*
		For >2025, Deduct		*-8.17*
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition		24.51
		For >135 To 405, Deduct		*-2.14*
		For >405 To 810, Deduct		*-4.29*
		For >810 To 2025, Deduct		*-6.13*
		For >2025, Deduct		*-9.80*

02 41 16 13-0028 Concrete Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition		8.76
		For >500 To 2,000, Deduct		*-0.66*
		For >2,000 To 6,000, Deduct		*-1.75*
		For >6,000 To 8,000, Deduct		*-3.07*
		For >8,000, Deduct		*-4.82*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.67	
		For >500 To 2,000, Deduct	*-0.88*	
		For >2,000 To 6,000, Deduct	*-2.33*	
		For >6,000 To 8,000, Deduct	*-4.08*	
		For >8,000, Deduct	*-6.42*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	14.59	
		For >500 To 2,000, Deduct	*-1.09*	
		For >2,000 To 6,000, Deduct	*-2.92*	
		For >6,000 To 8,000, Deduct	*-5.11*	
		For >8,000, Deduct	*-8.02*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	17.51	
		For >500 To 2,000, Deduct	*-1.31*	
		For >2,000 To 6,000, Deduct	*-3.50*	
		For >6,000 To 8,000, Deduct	*-6.13*	
		For >8,000, Deduct	*-9.63*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	20.43	
		For >500 To 2,000, Deduct	*-1.53*	
		For >2,000 To 6,000, Deduct	*-4.09*	
		For >6,000 To 8,000, Deduct	*-7.15*	
		For >8,000, Deduct	*-11.24*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	23.34	
		For >500 To 2,000, Deduct	*-1.75*	
		For >2,000 To 6,000, Deduct	*-4.67*	
		For >6,000 To 8,000, Deduct	*-8.17*	
		For >8,000, Deduct	*-12.84*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	10.51	
		For >500 To 2,000, Deduct	*-0.79*	
		For >2,000 To 6,000, Deduct	*-2.10*	
		For >6,000 To 8,000, Deduct	*-3.68*	
		For >8,000, Deduct	*-5.78*	
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	14.01	
		For >500 To 2,000, Deduct	*-1.05*	
		For >2,000 To 6,000, Deduct	*-2.80*	
		For >6,000 To 8,000, Deduct	*-4.90*	
		For >8,000, Deduct	*-7.71*	
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	17.51	
		For >500 To 2,000, Deduct	*-1.31*	
		For >2,000 To 6,000, Deduct	*-3.50*	
		For >6,000 To 8,000, Deduct	*-6.13*	
		For >8,000, Deduct	*-9.63*	
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	20.72	
		For >500 To 2,000, Deduct	*-1.55*	
		For >2,000 To 6,000, Deduct	*-4.14*	
		For >6,000 To 8,000, Deduct	*-7.25*	
		For >8,000, Deduct	*-11.40*	
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	24.51	
		For >500 To 2,000, Deduct	*-1.84*	
		For >2,000 To 6,000, Deduct	*-4.90*	
		For >6,000 To 8,000, Deduct	*-8.58*	
		For >8,000, Deduct	*-13.48*	
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	28.01	
		For >500 To 2,000, Deduct	*-2.10*	
		For >2,000 To 6,000, Deduct	*-5.60*	
		For >6,000 To 8,000, Deduct	*-9.80*	
		For >8,000, Deduct	*-15.41*	

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.42	
		For >500 To 2,000, Deduct	*-0.48*	
		For >2,000 To 6,000, Deduct	*-1.28*	
		For >6,000 To 8,000, Deduct	*-2.25*	
		For >8,000, Deduct	*-3.53*	
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.85	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000 To 6,000, Deduct	*-1.37*	
		For >6,000 To 8,000, Deduct	*-2.40*	
		For >8,000, Deduct	*-3.77*	
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.73	
		For >500 To 2,000, Deduct	*-0.58*	
		For >2,000 To 6,000, Deduct	*-1.55*	
		For >6,000 To 8,000, Deduct	*-2.71*	
		For >8,000, Deduct	*-4.25*	
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	8.90	
		For >500 To 2,000, Deduct	*-0.67*	
		For >2,000 To 6,000, Deduct	*-1.78*	
		For >6,000 To 8,000, Deduct	*-3.12*	
		For >8,000, Deduct	*-4.90*	
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.92	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000 To 6,000, Deduct	*-1.98*	
		For >6,000 To 8,000, Deduct	*-3.47*	
		For >8,000, Deduct	*-5.46*	
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	12.40	
		For >500 To 2,000, Deduct	*-0.93*	
		For >2,000 To 6,000, Deduct	*-2.48*	
		For >6,000 To 8,000, Deduct	*-4.34*	
		For >8,000, Deduct	*-6.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	7.70	
		For >500 To 2,000, Deduct	*-0.58*	
		For >2,000 To 6,000, Deduct	*-1.54*	
		For >6,000 To 8,000, Deduct	*-2.70*	
		For >8,000, Deduct	*-4.24*	
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	8.23	
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000 To 6,000, Deduct	*-1.65*	
		For >6,000 To 8,000, Deduct	*-2.88*	
		For >8,000, Deduct	*-4.53*	
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	9.28	
		For >500 To 2,000, Deduct	*-0.70*	
		For >2,000 To 6,000, Deduct	*-1.86*	
		For >6,000 To 8,000, Deduct	*-3.25*	
		For >8,000, Deduct	*-5.10*	
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	10.68	
		For >500 To 2,000, Deduct	*-0.80*	
		For >2,000 To 6,000, Deduct	*-2.14*	
		For >6,000 To 8,000, Deduct	*-3.74*	
		For >8,000, Deduct	*-5.87*	
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	11.91	
		For >500 To 2,000, Deduct	*-0.89*	
		For >2,000 To 6,000, Deduct	*-2.38*	
		For >6,000 To 8,000, Deduct	*-4.17*	
		For >8,000, Deduct	*-6.55*	
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	14.88	
		For >500 To 2,000, Deduct	*-1.12*	
		For >2,000 To 6,000, Deduct	*-2.98*	
		For >6,000 To 8,000, Deduct	*-5.21*	
		For >8,000, Deduct	*-8.18*	

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

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition	6.42	
		For >500 To 2,000, Deduct	*-0.48*	
		For >2,000 To 6,000, Deduct	*-1.28*	
		For >6,000 To 8,000, Deduct	*-2.25*	
		For >8,000, Deduct	*-3.53*	
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition	6.85	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000 To 6,000, Deduct	*-1.37*	
		For >6,000 To 8,000, Deduct	*-2.40*	
		For >8,000, Deduct	*-3.77*	
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition	7.73	
		For >500 To 2,000, Deduct	*-0.58*	
		For >2,000 To 6,000, Deduct	*-1.55*	
		For >6,000 To 8,000, Deduct	*-2.71*	
		For >8,000, Deduct	*-4.25*	
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition	8.90	
		For >500 To 2,000, Deduct	*-0.67*	
		For >2,000 To 6,000, Deduct	*-1.78*	
		For >6,000 To 8,000, Deduct	*-3.12*	
		For >8,000, Deduct	*-4.90*	
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition	9.92	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000 To 6,000, Deduct	*-1.98*	
		For >6,000 To 8,000, Deduct	*-3.47*	
		For >8,000, Deduct	*-5.46*	
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition	12.40	
		For >500 To 2,000, Deduct	*-0.93*	
		For >2,000 To 6,000, Deduct	*-2.48*	
		For >6,000 To 8,000, Deduct	*-4.34*	
		For >8,000, Deduct	*-6.82*	

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition	20.43	
		For >135 To 405, Deduct	*-1.79*	
		For >405 To 810, Deduct	*-3.58*	
		For >810 To 2025, Deduct	*-5.11*	
		For >2025, Deduct	*-8.17*	

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc. Note: Includes excavation.	20.86	
		For >135 To 405, Deduct	*-1.83*	
		For >405 To 810, Deduct	*-3.65*	
		For >810 To 2025, Deduct	*-5.22*	
		For >2025, Deduct	*-8.34*	

02 41 19 Selective Demolition *(02 41)*

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0001		**Saw Cutting** *(02 41 19 13)* Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	EA	Minimum Charge For Saw Cut Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,337.83	
02 41 19 13-0003	LF	Bituminous Paving Up To 4" Depth, Saw Cut	3.07	
		For Each Additional Pass (Depth To 3"), Add	*1.18*	
		For >250, Deduct	*-0.29*	
02 41 19 13-0004	LF	Brick Masonry Up To 4" Depth, Saw Cut	11.44	
		For Each Additional Pass (Depth To 3"), Add	*4.52*	
		For >250, Deduct	*-1.13*	
02 41 19 13-0005	LF	Concrete Block Up To 4" Depth, Saw Cut	10.35	
		For Each Additional Pass (Depth To 3"), Add	*4.08*	
		For >250, Deduct	*-1.02*	
02 41 19 13-0006	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	3.53	
		For Each Additional Pass (Depth To 3"), Add	*1.35*	
		For >250, Deduct	*-0.33*	
02 41 19 13-0007	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	4.65	
		For Each Additional Pass (Depth To 3"), Add	*1.79*	
		For >250, Deduct	*-0.44*	
02 41 19 13-0008	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	7.66	
		For Each Additional Pass (Depth To 3"), Add	*2.98*	
		For >250, Deduct	*-0.74*	
02 41 19 13-0009	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	14.63	
		For Each Additional Pass (Depth To 3"), Add	*5.79*	
		For >250, Deduct	*-1.44*	
02 41 19 13-0010	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	19.65	
		For Each Additional Pass (Depth To 3"), Add	*7.78*	
		For >250, Deduct	*-1.94*	
02 41 19 13-0011	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.77	
		For Each Additional Pass (Depth To 3"), Add	*1.38*	
		For >250, Deduct	*-0.34*	
02 41 19 13-0012	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	10.39	
		For Each Additional Pass (Depth To 3"), Add	*4.09*	
		For >250, Deduct	*-1.02*	
02 41 19 13-0013	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	10.39	
		For Each Additional Pass (Depth To 3"), Add	*4.09*	
		For >250, Deduct	*-1.02*	
02 41 19 13-0014	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	10.39	
		For Each Additional Pass (Depth To 3"), Add	*4.09*	
		For >250, Deduct	*-1.02*	
02 41 19 13-0015	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	10.39	
		For Each Additional Pass (Depth To 3"), Add	*4.09*	
		For >250, Deduct	*-1.02*	
02 41 19 13-0016		**Torch Cutting** *(02 41 19 13)* Note: Includes grinding edge		
02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	4.85	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	9.69	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	14.54	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	19.39	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	24.24	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	29.09	
02 41 19 13-0023	EA	Minimum Charge For Torch Cutting Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,444.07	
02 41 19 13-0024		**Drilling In Existing Materials** *(02 41 19 13)* Note: Includes drill bit wear, water, layout, set-up and cleanup.		
02 41 19 13-0025		**Concrete Core Drilling** *(02 41 19 13-0024)*		
02 41 19 13-0026		**Up To 4" Thick Concrete Core Drilling** *(02 41 19 13-0025)*		
02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	55.56	
		For Horizontal Cores, Add	*11.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.02*	
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	61.65	
		For Horizontal Cores, Add	*12.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.46*	
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	68.46	
		For Horizontal Cores, Add	*13.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.18*	
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete	97.75	
		For Horizontal Cores, Add	*19.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.82*	
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete	131.00	
		For Horizontal Cores, Add	*26.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*52.03*	
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete	146.78	
		For Horizontal Cores, Add	*29.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.24*	
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete	234.57	
		For Horizontal Cores, Add	*46.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete	293.40	
		For Horizontal Cores, Add	*58.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.48*	
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete	342.38	
		For Horizontal Cores, Add	*67.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.90*	
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete	391.37	
		For Horizontal Cores, Add	*77.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.30*	
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete	440.78	
		For Horizontal Cores, Add	*87.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*174.71*	
02 41 19 13-0038		**>4" To 6" Thick Concrete Core Drilling** *(02 41 19 13-0025)*		
02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete	79.40	
		For Horizontal Cores, Add	*15.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.44*	
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	88.13	
		For Horizontal Cores, Add	*17.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.94*	
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete	97.84	
		For Horizontal Cores, Add	*19.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.82*	
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete	117.57	
		For Horizontal Cores, Add	*23.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.60*	
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete	147.04	
		For Horizontal Cores, Add	*29.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.24*	
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete	195.92	
		For Horizontal Cores, Add	*38.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.66*	
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete	293.64	
		For Horizontal Cores, Add	*58.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.48*	
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete	343.03	
		For Horizontal Cores, Add	*67.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.90*	
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete	392.17	
		For Horizontal Cores, Add	*77.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.30*	
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete	441.53	
		For Horizontal Cores, Add	*87.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*174.71*	
02 41 19 13-0049	EA	Drill 18" Diameter Core In >4" To 6" Concrete	491.50	
		For Horizontal Cores, Add	*97.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*194.13*	
02 41 19 13-0050		**>6" To 8" Thick Concrete Core Drilling** *(02 41 19 13-0025)*		
02 41 19 13-0051	EA	Drill 1" Diameter Core In >6" To 8" Concrete	87.56	
		For Horizontal Cores, Add	*17.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.60*	
02 41 19 13-0052	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	97.17	
		For Horizontal Cores, Add	*19.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.44*	
02 41 19 13-0053	EA	Drill 2" Diameter Core In >6" To 8" Concrete	107.85	
		For Horizontal Cores, Add	*21.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.71*	
02 41 19 13-0054	EA	Drill 3" Diameter Core In >6" To 8" Concrete	127.66	
		For Horizontal Cores, Add	*25.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.48*	
02 41 19 13-0055	EA	Drill 4" Diameter Core In >6" To 8" Concrete	166.93	
		For Horizontal Cores, Add	*33.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.00*	
02 41 19 13-0056	EA	Drill 6" Diameter Core In >6" To 8" Concrete	235.35	
		For Horizontal Cores, Add	*46.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.19*	
02 41 19 13-0057	EA	Drill 8" Diameter Core In >6" To 8" Concrete	391.50	
		For Horizontal Cores, Add	*77.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.30*	
02 41 19 13-0058	EA	Drill 10" Diameter Core In >6" To 8" Concrete	441.12	
		For Horizontal Cores, Add	*87.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*174.71*	
02 41 19 13-0059	EA	Drill 12" Diameter Core In >6" To 8" Concrete	490.55	
		For Horizontal Cores, Add	*97.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*194.13*	
02 41 19 13-0060	EA	Drill 14" Diameter Core In >6" To 8" Concrete	540.17	
		For Horizontal Cores, Add	*106.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*213.50*	
02 41 19 13-0061	EA	Drill 18" Diameter Core In >6" To 8" Concrete	590.76	
		For Horizontal Cores, Add	*116.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*232.97*	
02 41 19 13-0062		**>8" To 10" Thick Concrete Core Drilling** *(02 41 19 13-0025)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0063	EA	Drill 1" Diameter Core In >8" To 10" Concrete	103.56	
		For Horizontal Cores, Add	*20.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.88*	
02 41 19 13-0064	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	114.92	
		For Horizontal Cores, Add	*22.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.43*	
02 41 19 13-0065	EA	Drill 2" Diameter Core In >8" To 10" Concrete	127.54	
		For Horizontal Cores, Add	*25.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.48*	
02 41 19 13-0066	EA	Drill 3" Diameter Core In >8" To 10" Concrete	147.47	
		For Horizontal Cores, Add	*29.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.24*	
02 41 19 13-0067	EA	Drill 4" Diameter Core In >8" To 10" Concrete	167.43	
		For Horizontal Cores, Add	*33.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.00*	
02 41 19 13-0068	EA	Drill 6" Diameter Core In >8" To 10" Concrete	235.96	
		For Horizontal Cores, Add	*46.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.19*	
02 41 19 13-0069	EA	Drill 8" Diameter Core In >8" To 10" Concrete	392.32	
		For Horizontal Cores, Add	*77.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.30*	
02 41 19 13-0070	EA	Drill 10" Diameter Core In >8" To 10" Concrete	442.21	
		For Horizontal Cores, Add	*87.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*174.71*	
02 41 19 13-0071	EA	Drill 12" Diameter Core In >8" To 10" Concrete	491.75	
		For Horizontal Cores, Add	*97.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*194.09*	
02 41 19 13-0072	EA	Drill 14" Diameter Core In >8" To 10" Concrete	541.82	
		For Horizontal Cores, Add	*106.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*213.50*	
02 41 19 13-0073	EA	Drill 18" Diameter Core In >8" To 10" Concrete	592.78	
		For Horizontal Cores, Add	*116.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*232.91*	

02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0075	EA	Drill 1" Diameter Core In >10" To 12" Concrete	111.71	
		For Horizontal Cores, Add	*22.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.03*	
02 41 19 13-0076	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	123.94	
		For Horizontal Cores, Add	*24.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.92*	
02 41 19 13-0077	EA	Drill 2" Diameter Core In >10" To 12" Concrete	137.53	
		For Horizontal Cores, Add	*27.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.36*	
02 41 19 13-0078	EA	Drill 3" Diameter Core In >10" To 12" Concrete	147.86	
		For Horizontal Cores, Add	*29.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.24*	
02 41 19 13-0079	EA	Drill 4" Diameter Core In >10" To 12" Concrete	197.06	
		For Horizontal Cores, Add	*38.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.66*	
02 41 19 13-0080	EA	Drill 6" Diameter Core In >10" To 12" Concrete	255.99	
		For Horizontal Cores, Add	*50.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.96*	
02 41 19 13-0081	EA	Drill 8" Diameter Core In >10" To 12" Concrete	412.57	
		For Horizontal Cores, Add	*81.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*163.07*	
02 41 19 13-0082	EA	Drill 10" Diameter Core In >10" To 12" Concrete	443.29	
		For Horizontal Cores, Add	*87.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*174.71*	
02 41 19 13-0083	EA	Drill 12" Diameter Core In >10" To 12" Concrete	512.61	
		For Horizontal Cores, Add	*100.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*201.92*	

02 41 19 13-0084 >12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0085	IN	Drill 1" Diameter Core In >12" Concrete	13.60	
		For Horizontal Cores, Add	*2.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.38*	
02 41 19 13-0086	IN	Drill 1-1/2" Diameter Core In >12" Concrete	15.09	
		For Horizontal Cores, Add	*2.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.98*	
02 41 19 13-0087	IN	Drill 2" Diameter Core In >12" Concrete	16.76	
		For Horizontal Cores, Add	*3.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.65*	
02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	18.38	
		For Horizontal Cores, Add	*3.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.28*	
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	24.49	
		For Horizontal Cores, Add	*4.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.70*	
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	31.87	
		For Horizontal Cores, Add	*6.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.63*	
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	51.42	
		For Horizontal Cores, Add	*10.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	55.37	
		For Horizontal Cores, Add	*10.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.93*	
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	63.78	
		For Horizontal Cores, Add	*12.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.25*	

02 41 19 13-0094 Brick/Concrete Block Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	44.54	
		For Horizontal Cores, Add	*8.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.61*	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	49.42	
		For Horizontal Cores, Add	*9.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.56*	
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	54.87	
		For Horizontal Cores, Add	*10.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.74*	
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	78.34	
		For Horizontal Cores, Add	*15.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.06*	
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	104.98	
		For Horizontal Cores, Add	*20.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.62*	
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	117.66	
		For Horizontal Cores, Add	*23.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.60*	
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	187.98	
		For Horizontal Cores, Add	*37.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.55*	
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	235.15	
		For Horizontal Cores, Add	*46.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.18*	
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	274.43	
		For Horizontal Cores, Add	*54.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.72*	
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	313.71	
		For Horizontal Cores, Add	*62.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.24*	
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	353.42	
		For Horizontal Cores, Add	*69.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*139.76*	

02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0108	EA	Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block	63.68	
		For Horizontal Cores, Add	*12.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.16*	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block	70.66	
		For Horizontal Cores, Add	*13.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.95*	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	78.43	
		For Horizontal Cores, Add	*15.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.06*	
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	94.27	
		For Horizontal Cores, Add	*18.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.28*	
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	117.92	
		For Horizontal Cores, Add	*23.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.60*	
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	157.09	
		For Horizontal Cores, Add	*31.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.12*	
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	235.39	
		For Horizontal Cores, Add	*46.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.18*	
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	275.08	
		For Horizontal Cores, Add	*54.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.72*	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	314.51	
		For Horizontal Cores, Add	*62.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.24*	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	354.17	
		For Horizontal Cores, Add	*69.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*139.76*	
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	394.43	
		For Horizontal Cores, Add	*77.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.30*	

02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0120	EA	Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block	70.26	
		For Horizontal Cores, Add	*13.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.68*	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block	77.95	
		For Horizontal Cores, Add	*15.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.75*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	86.49	
		For Horizontal Cores, Add	*17.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.17*	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	102.42	
		For Horizontal Cores, Add	*20.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.38*	
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	133.93	
		For Horizontal Cores, Add	*26.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*52.80*	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	188.76	
		For Horizontal Cores, Add	*37.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.55*	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	313.84	
		For Horizontal Cores, Add	*62.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.24*	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	353.76	
		For Horizontal Cores, Add	*69.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*139.76*	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	393.48	
		For Horizontal Cores, Add	*77.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.30*	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	433.42	
		For Horizontal Cores, Add	*85.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*170.80*	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	474.27	
		For Horizontal Cores, Add	*93.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*186.37*	

02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0132	EA	Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block	83.12	
		For Horizontal Cores, Add	*16.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.71*	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block	92.20	
		For Horizontal Cores, Add	*18.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.34*	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	102.30	
		For Horizontal Cores, Add	*20.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.38*	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	118.35	
		For Horizontal Cores, Add	*23.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.60*	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	134.43	
		For Horizontal Cores, Add	*26.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*52.80*	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	189.37	
		For Horizontal Cores, Add	*37.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.55*	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	314.66	
		For Horizontal Cores, Add	*62.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.24*	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	354.85	
		For Horizontal Cores, Add	*69.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*139.76*	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	394.71	
		For Horizontal Cores, Add	*77.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*155.28*	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	435.07	
		For Horizontal Cores, Add	*85.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*170.80*	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	476.32	
		For Horizontal Cores, Add	*93.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*186.33*	

02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	89.70	
		For Horizontal Cores, Add	*17.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.23*	
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block	99.48	
		For Horizontal Cores, Add	*19.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.14*	
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	110.35	
		For Horizontal Cores, Add	*21.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.49*	
02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	118.74	
		For Horizontal Cores, Add	*23.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.60*	
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	158.23	
		For Horizontal Cores, Add	*31.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.12*	
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	205.50	
		For Horizontal Cores, Add	*40.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.76*	
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	331.04	
		For Horizontal Cores, Add	*65.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*130.46*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	355.93	
		For Horizontal Cores, Add	*69.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*139.76*	
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	411.65	
		For Horizontal Cores, Add	*80.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*161.53*	

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

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	10.90	
		For Horizontal Cores, Add	*2.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.30*	
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	12.10	
		For Horizontal Cores, Add	*2.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.78*	
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	13.43	
		For Horizontal Cores, Add	*2.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.32*	
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	14.74	
		For Horizontal Cores, Add	*2.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.82*	
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	19.65	
		For Horizontal Cores, Add	*3.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.76*	
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	25.56	
		For Horizontal Cores, Add	*5.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.10*	
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	41.21	
		For Horizontal Cores, Add	*8.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.32*	
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	44.40	
		For Horizontal Cores, Add	*8.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.54*	
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	51.15	
		For Horizontal Cores, Add	*10.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.20*	

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

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

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	26.68
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	33.36
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	41.69
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	51.73
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	65.07
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	81.77
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	101.83
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	126.83
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	158.50

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

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	33.35
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	43.34
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	53.35
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	66.71
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	83.39
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	105.09
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	130.15
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	163.47
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	203.48

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

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	43.35
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	55.05
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	68.38
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	85.08
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	106.81
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	133.49
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	166.95
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	208.61
02 41 19 13-0193	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	260.30

02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	56.74
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	70.10
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	86.79
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	110.20
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	136.95
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	170.36
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	213.87
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	267.23
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	333.97

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0204		Manhole Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0205	EA	Drill 4" Diameter Core In Brick Manhole	292.17	
02 41 19 13-0206	EA	Drill 5" Diameter Core In Brick Manhole	333.90	
02 41 19 13-0207	EA	Drill 6" Diameter Core In Brick Manhole	389.44	
02 41 19 13-0208	EA	Drill 8" Diameter Core In Brick Manhole	584.04	
02 41 19 13-0209	EA	Drill 2" Diameter Core In Concrete Manhole	391.51	
02 41 19 13-0210	EA	Drill 3" Diameter Core In Concrete Manhole	416.83	
02 41 19 13-0211	EA	Drill 4" Diameter Core In Concrete Manhole	458.81	
02 41 19 13-0212	EA	Drill 5" Diameter Core In Concrete Manhole	492.27	
02 41 19 13-0213	EA	Drill 6" Diameter Core In Concrete Manhole	583.89	
02 41 19 13-0214	EA	Drill 8" Diameter Core In Concrete Manhole	833.97	
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole	38.86	
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole	44.85	
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole	48.58	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole	53.01	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole	58.30	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole	64.79	
02 41 19 13-0221		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.03	
02 41 19 13-0223	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	3.21	
02 41 19 13-0224	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	3.38	
02 41 19 13-0225	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.63	
02 41 19 13-0226	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	3.86	
02 41 19 13-0227	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.24	
02 41 19 13-0228	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	4.58	
02 41 19 13-0229	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	4.82	
02 41 19 13-0230	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	5.68	
02 41 19 13-0231	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	5.33	
02 41 19 13-0232	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	5.68	
02 41 19 13-0233	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	6.03	
02 41 19 13-0234	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	6.69	
02 41 19 13-0235	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	7.79	
02 41 19 13-0236		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0237	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.52	
02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.67	
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.82	
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.03	
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.22	
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.53	
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.82	
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.01	
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.24	
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.44	
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.74	
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	5.03	
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	5.61	
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	6.49	
02 41 19 13-0251		Limestone Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0252		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0251)*		
02 41 19 13-0253	EA	Drill 1" Diameter Core In 10" To 14" Limestone	83.74	
02 41 19 13-0254	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	100.56	
02 41 19 13-0255	EA	Drill 2" Diameter Core In 10" To 14" Limestone	109.06	
02 41 19 13-0256	EA	Drill 3" Diameter Core In 10" To 14" Limestone	126.10	
02 41 19 13-0257	EA	Drill 4" Diameter Core In 10" To 14" Limestone	143.14	
02 41 19 13-0258	EA	Drill 6" Diameter Core In 10" To 14" Limestone	201.77	
02 41 19 13-0259	EA	Drill 8" Diameter Core In 10" To 14" Limestone	335.55	
02 41 19 13-0260		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0251)*		
02 41 19 13-0261	EA	Drill 1" Diameter Core In 15" To 18" Limestone	92.20	
02 41 19 13-0262	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	109.04	
02 41 19 13-0263	EA	Drill 2" Diameter Core In 15" To 18" Limestone	117.59	
02 41 19 13-0264	EA	Drill 3" Diameter Core In 15" To 18" Limestone	126.41	
02 41 19 13-0265	EA	Drill 4" Diameter Core In 15" To 18" Limestone	168.49	
02 41 19 13-0266	EA	Drill 6" Diameter Core In 15" To 18" Limestone	218.84	
02 41 19 13-0267	EA	Drill 8" Diameter Core In 15" To 18" Limestone	352.96	
02 41 19 13-0268		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0251)*		
02 41 19 13-0269	EA	Drill 1" Diameter Core In 19" To 24" Limestone	100.61	
02 41 19 13-0270	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	117.51	
02 41 19 13-0271	EA	Drill 2" Diameter Core In 19" To 24" Limestone	126.11	
02 41 19 13-0272	EA	Drill 3" Diameter Core In 19" To 24" Limestone	143.27	
02 41 19 13-0273	EA	Drill 4" Diameter Core In 19" To 24" Limestone	202.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0274	EA	Drill 6" Diameter Core In 19" To 24" Limestone	252.52	
02 41 19 13-0275	EA	Drill 8" Diameter Core In 19" To 24" Limestone	378.70	

02 41 19 13-0276 Minimum Charge For Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0277	EA	Minimum Charge For Core Drill Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	1,081.85	

02 41 19 13-0278 Cutouts *(02 41 19 13)*

Note: Includes cleaning and removal. For vertical heights over 14' add appropriate equipment rental (scaffolding, lifts). Not to be used for openings greater than 24 SF. Excludes saw cutting.

02 41 19 13-0279 Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0278)*

02 41 19 13-0280	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	69.83	
02 41 19 13-0281	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	74.06	
02 41 19 13-0282	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	78.29	
02 41 19 13-0283	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	82.52	
02 41 19 13-0284	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	84.64	

02 41 19 13-0285 Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0278)*

Note: Includes cutting and removing steel decking.

02 41 19 13-0286	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	85.10	
02 41 19 13-0287	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	90.26	
02 41 19 13-0288	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	95.42	
02 41 19 13-0289	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	100.58	
02 41 19 13-0290	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	103.15	

02 41 19 13-0291 Reinforced Concrete Wall Cutouts *(02 41 19 13-0278)*

02 41 19 13-0292	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	87.29	
02 41 19 13-0293	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	92.57	
02 41 19 13-0294	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	97.87	
02 41 19 13-0295	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	103.15	
02 41 19 13-0296	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	105.80	

02 41 19 13-0297 Brick Wall Cutouts *(02 41 19 13-0278)*

Note: Excludes toothing.

02 41 19 13-0298	SF	4" Thick Brick Wall Cutouts, <24 SF	26.45	
02 41 19 13-0299	SF	6" Thick Brick Wall Cutouts, <24 SF	43.64	
02 41 19 13-0300	SF	8" Thick Brick Wall Cutouts, <24 SF	60.78	
02 41 19 13-0301	SF	10" Thick Brick Wall Cutouts, <24 SF	74.05	
02 41 19 13-0302	SF	12" Thick Brick Wall Cutouts, <24 SF	88.60	
02 41 19 13-0303	SF	16" Thick Brick Wall Cutouts, <24 SF	104.47	

02 41 19 13-0304 Concrete Block Wall Cutouts *(02 41 19 13-0278)*

Note: Excludes toothing.

02 41 19 13-0305	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	43.75	
02 41 19 13-0306	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	46.33	
02 41 19 13-0307	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	48.93	
02 41 19 13-0308	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	51.58	
02 41 19 13-0309	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	52.90	
02 41 19 13-0310	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	55.55	

02 41 19 13-0311 Limestone Cutouts *(02 41 19 13-0278)*

02 41 19 13-0312	SF	2" Thick Limestone Cutouts, <24 SF	74.06	
02 41 19 13-0313	SF	4" Thick Limestone Cutouts, <24 SF	89.93	
02 41 19 13-0314	SF	6" Thick Limestone Cutouts, <24 SF	95.22	
02 41 19 13-0315	SF	8" Thick Limestone Cutouts, <24 SF	100.51	
02 41 19 13-0316	SF	10" Thick Limestone Cutouts, <24 SF	105.80	
02 41 19 13-0317	SF	12" Thick Limestone Cutouts, <24 SF	111.09	

02 41 19 13-0318 Toothing Masonry Cutouts *(02 41 19 13-0278)*

Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.

02 41 19 13-0319	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	26.45	
02 41 19 13-0320	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	35.70	
02 41 19 13-0321	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	15.87	
02 41 19 13-0322	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	21.16	

02 41 19 13-0323 Minimum Charge For Cutouts *(02 41 19 13-0278)*

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

02 41 19 13-0324	EA	Minimum Charge For Cutouts	529.00	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0325		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0326		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0325)*		
02 41 19 13-0327	VLF	8" x 8" Masonry Column Removal		21.07
02 41 19 13-0328	VLF	10" x 10" Masonry Column Removal		32.90
02 41 19 13-0329	VLF	12" x 12" Masonry Column Removal		42.15
02 41 19 13-0330	VLF	14" x 14" Masonry Column Removal		52.77
02 41 19 13-0331	VLF	16" x 16" Masonry Column Removal		64.83
02 41 19 13-0332	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square		36.41
02 41 19 13-0333		**Masonry Chimney Removal** *(02 41 19 13-0325)*		
02 41 19 13-0334	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed		42.70
02 41 19 13-0335	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed		32.07
02 41 19 13-0336	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		24.54
02 41 19 13-0337	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		16.99
02 41 19 13-0338		**Remove And Reset Precast, Stone Or Masonry Coping** *(02 41 19 13-0325)* Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0339	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		24.87
02 41 19 13-0340	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping		37.49
02 41 19 13-0341	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping		72.21
02 41 19 13-0342		**Facade Removal** *(02 41 19 13-0325)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0343	SF	Brick Or Block Facade Removal		8.02
		For Cleaning and Storage For Reuse, Add	*12.03*	
		For Reinforcing, Add	*1.20*	
02 41 19 13-0344		**Exterior Masonry Removal** *(02 41 19 13-0325)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0345	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall		7.05
02 41 19 13-0346	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall		7.96
02 41 19 13-0347	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall		9.62
02 41 19 13-0348	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall		10.51
02 41 19 13-0349	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall		11.54
02 41 19 13-0350	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall		14.45
02 41 19 13-0351	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall		8.33
02 41 19 13-0352	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall		9.55
02 41 19 13-0353	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall		11.54
02 41 19 13-0354	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall		12.62
02 41 19 13-0355	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall		13.85
02 41 19 13-0356	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall		17.33
02 41 19 13-0357	SF	Demolish 4" Thick Brick Exterior Wall		7.05
		For Cleaning and Storage For Reuse, Add	*10.58*	
02 41 19 13-0358	SF	Demolish 6" Thick Brick Exterior Wall		7.96
		For Cleaning and Storage For Reuse, Add	*11.94*	
02 41 19 13-0359	SF	Demolish 8" Thick Brick Exterior Wall		9.62
		For Cleaning and Storage For Reuse, Add	*14.43*	
02 41 19 13-0360	SF	Demolish 10" Thick Brick Exterior Wall		10.51
		For Cleaning and Storage For Reuse, Add	*15.77*	
02 41 19 13-0361	SF	Demolish 12" Thick Brick Exterior Wall		11.54
		For Cleaning and Storage For Reuse, Add	*17.31*	
02 41 19 13-0362	SF	Demolish 16" Thick Brick Exterior Wall		14.45
		For Cleaning and Storage For Reuse, Add	*21.68*	
02 41 19 13-0363	CF	Exterior Brick, Concrete Block Or Composite Removal		20.52
		For Cleaning and Storage For Reuse, Add	*30.78*	
02 41 19 13-0364		**Parapet Masonry Removal** *(02 41 19 13-0325)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0365	SF	Demolish 8" Thick Concrete Block And Brick Parapet Wall		11.54
02 41 19 13-0366	SF	Demolish 12" Thick Concrete Block And Brick Parapet Wall		12.83
02 41 19 13-0367	SF	Demolish 16" Thick Concrete Block And Brick Parapet Wall		16.68
02 41 19 13-0368	SF	Demolish 18" Thick Concrete Block And Brick Parapet Wall		19.24
02 41 19 13-0369	SF	Demolish 24" Thick Concrete Block And Brick Parapet Wall		21.80
02 41 19 13-0370		**Lintel Removal** *(02 41 19 13-0325)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0371	LF	Demolish Steel Lintel		16.96

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0372	LF	Demolish Concrete Or Stone Lintel		22.61
02 41 19 13-0373	LF	Demolish Steel Shelf Angle		17.91

02 41 19 13-0374 Reinstall Lintel *(02 41 19 13-0325)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0375	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel		9.81
02 41 19 13-0376	LF	Reinstall Existing Concrete Or Stone Lintel		22.61
02 41 19 13-0377	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.		59.96
02 41 19 13-0378	LF	Reinstall Existing Steel Lintel		25.13
02 41 19 13-0379	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls		96.27
02 41 19 13-0380	LF	Removal And Replacement Of Steel Lintel Over Window Openings		162.75

02 41 19 16 Selective Interior Demolition *(02 41 19)*

Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.

02 41 19 16-0001 Demolish Ceiling *(02 41 19 16)*

02 41 19 16-0002	SF	Demolish Drywall Ceiling		1.39
02 41 19 16-0003	SF	Demolish Furred Plastered Ceiling		3.23
02 41 19 16-0004	SF	Demolish Suspended Plastered Ceiling And Suspension System		2.48

02 41 19 16-0005 Demolish Interior Partition/Wall *(02 41 19 16)*

Note: Price includes knock down, loading, cleanup.

02 41 19 16-0006 Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0005)*

Note: Includes saw cutting, knock down, loading and cleanup.

02 41 19 16-0007 Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0006)*

02 41 19 16-0008	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		7.48
02 41 19 16-0009	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		7.99
02 41 19 16-0010	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		9.01
02 41 19 16-0011	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		11.55
02 41 19 16-0012	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		14.45
02 41 19 16-0013	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		8.97
02 41 19 16-0014	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		9.59
02 41 19 16-0015	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		10.81
02 41 19 16-0016	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		13.86
02 41 19 16-0017	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		17.34

02 41 19 16-0018 Demolish Brick Interior Partition/Walls *(02 41 19 16-0006)*

02 41 19 16-0019	SF	Demolish 4" Thick Brick Interior Partition/Wall		7.48
02 41 19 16-0020	SF	Demolish 8" Thick Brick Interior Partition/Wall		9.01
02 41 19 16-0021	SF	Demolish 12" Thick Brick Interior Partition/Wall		11.54
02 41 19 16-0022	SF	Demolish 16" Thick Brick Interior Partition/Wall		14.45

02 41 19 16-0023 Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0006)*

02 41 19 16-0024	SF	Demolish Glass Block Interior Partition/Walls		6.42

02 41 19 16-0025 Demolish Concrete Interior Partition/Walls *(02 41 19 16-0006)*

See CSI section 02 41 16 13-0024 for concrete foundation demolition.

02 41 19 16-0026	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		13.60
02 41 19 16-0027	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		16.99
02 41 19 16-0028	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		23.79
02 41 19 16-0029	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		16.31
02 41 19 16-0030	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		20.52
02 41 19 16-0031	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		28.55

02 41 19 16-0032 Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0005)*

Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.

02 41 19 16-0033	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		4.57
		For Heights >14' To 20', Add	*0.69*	
		For Heights >20', Add	*0.91*	
02 41 19 16-0034	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		5.33
		For Heights >14' To 20', Add	*0.80*	
		For Heights >20', Add	*1.07*	
02 41 19 16-0035	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		5.84
		For Heights >14' To 20', Add	*0.88*	
		For Heights >20', Add	*1.17*	
02 41 19 16-0036	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		8.13
		For Heights >14' To 20', Add	*1.22*	
		For Heights >20', Add	*1.63*	
02 41 19 16-0037	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		2.40
		For Heights >14' To 20', Add	*0.36*	
		For Heights >20', Add	*0.48*	
02 41 19 16-0038	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.87
		For Heights >14' To 20', Add	*0.43*	
		For Heights >20', Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0039		Demolish Concrete Stair *(02 41 19 16)*		
02 41 19 16-0040	CF	Demolish Interior Reinforced Concrete Stairs	11.54	
02 41 19 16-0041	CF	Demolish Exterior Reinforced Concrete Stairs	9.49	

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001		Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*		
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	420.82	

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001		Flooring Remove And Salvage For Re-Use *(02 42 21 47)*		
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	3.83	
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	3.83	
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	5.30	
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	3.09	
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.64	
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	1.17	

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

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

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001		Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*		
		Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	49.44	
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	46.72	
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	43.73	
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	39.67	
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	37.08	
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	32.80	
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	48.04	
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	43.73	
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	37.08	

02 50 Site Remediation *(02)*

02 58 Snow Control *(02 50)*

02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001		Snow/Sand Fence On Steel Posts *(02 58 13)*		
02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	9.89	3.05

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

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

02 61 13 00-0001		Removal And Disposal Of Petroleum Contaminated Soil *(02 61 13)*		
02 61 13 00-0002	CY	Remove And Dispose Of Petroleum Contaminated Soil	128.00	
		Note: Includes loading, hauling up to 25 miles, disposal and fees.		
02 61 13 00-0003		Accessories For Contaminated Soil Stockpile *(02 61 13)*		
		See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0004	SF	10 Mil Liner For Contaminated Soil Storage	1.14	
02 61 13 00-0005	SF	20 Mil Liner For Contaminated Soil Storage	1.64	
02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage	1.86	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0034 for hauling, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0001		**Monitoring, Sampling, Testing And Analysis** *(02 65)*		
02 65 00 00-0002		**Direct-Push Samples For Testing** *(02 65 00 00-0001)*		
02 65 00 00-0003	EA	Mobilize Direct-Push Sampling Machine	352.65	
02 65 00 00-0004	EA	Collection Of Direct-Push Soil Or Water Sample	276.78	
02 65 00 00-0005		**Field Samples For Testing Underground Storage Tank** *(02 65 00 00-0001)*		
02 65 00 00-0006	EA	Collection Of Sludge Sample For Underground Storage Tank	26.57	
02 65 00 00-0007	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	26.57	
02 65 00 00-0008	EA	Collection Of Soil Sample From Excavated Soil	26.57	
02 65 00 00-0009		**Lab Tests For Underground Storage Tank Removal** *(02 65 00 00-0001)* Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0010	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	208.77	
02 65 00 00-0011	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	81.19	
02 65 00 00-0012	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	195.30	
02 65 00 00-0013	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	208.77	
02 65 00 00-0014	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	162.38	
02 65 00 00-0015	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	440.74	
02 65 00 00-0016	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	811.90	
02 65 00 00-0017	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	97.65	
02 65 00 00-0018	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	173.98	
02 65 00 00-0019	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	231.97	
02 65 00 00-0020	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	259.81	
02 65 00 00-0021	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	34.80	
02 65 00 00-0022	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	34.80	
02 65 00 00-0023	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	34.80	
02 65 00 00-0024	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	64.95	
02 65 00 00-0025	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	371.15	
02 65 00 00-0026	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	134.27	
02 65 00 00-0027	EA	pH, Lab Test	27.84	
02 65 00 00-0028	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96	
02 65 00 00-0029	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77	
02 65 00 00-0030		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0031		**Transfer Liquid** *(02 65 00 00-0030)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0032	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.75	
02 65 00 00-0033		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0030)*		
02 65 00 00-0034	GAL	Removal and Disposal Of Hazardous Liquids From Tank	2.32	
02 65 00 00-0035	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	1.03	
02 65 00 00-0036		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0030)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0037	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	8.92	
02 65 00 00-0038	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	2.01	
02 65 00 00-0039		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0040		**Purge Vapors, Open, And Clean Tank Interior** *(02 65 00 00-0039)* Note: Includes cutting openings in tank, dry ice for purging vapors, pressure washing tank interior and disposal of rinse water.		
02 65 00 00-0041	EA	Purge Vapors, Open And Clean Up To 275 Gal Tank Interior	693.49	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0042	EA	Purge Vapors, Open And Clean >275 - 500 Gal Tank Interior	1,157.85	
02 65 00 00-0043	EA	Purge Vapors, Open And Clean >500 - 1,000 Gal Tank Interior	1,772.85	
02 65 00 00-0044	EA	Purge Vapors, Open And Clean >1,000 - 2,000 Gal Tank Interior	2,460.00	
02 65 00 00-0045	EA	Purge Vapors, Open And Clean >2,000 - 5,000 Gal Tank Interior	3,834.27	
02 65 00 00-0046	EA	Purge Vapors, Open And Clean >5,000 - 10,000 Gal Tank Interior	5,497.11	

02 65 00 00-0047 Tank And Piping Removal *(02 65)*

Note: Excludes excavation.

02 65 00 00-0048 Removal And Disposal Of Piping *(02 65 00 00-0047)*

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0049	LF	Up To 4", Removal And Disposal Of Piping	25.85	
02 65 00 00-0050	LF	>4" To 8", Removal And Disposal Of Piping	34.48	

02 65 00 00-0051 Remove And Dispose Of Tank *(02 65 00 00-0047)*

Note: Includes removal, inspection, loading and transporting tank to disposal facility or transfer station within 15 miles, and disposal fees. Removal is from excavation for UST, or from building interior for AST.

02 65 00 00-0052	EA	Remove and Dispose of Up To 275 Gal Tank	1,563.71	
		For Each Additional Mile > 15 Miles, Add	*2.48*	
02 65 00 00-0053	EA	Remove and Dispose of >275 - 500 Gal Tank	1,898.91	
		For Each Additional Mile > 15 Miles, Add	*3.19*	
02 65 00 00-0054	EA	Remove and Dispose of >500 - 1,000 Gal Tank	2,658.81	
		For Each Additional Mile > 15 Miles, Add	*4.95*	
02 65 00 00-0055	EA	Remove and Dispose of >1,000 - 2,000 Gal Tank	3,135.57	
		For Each Additional Mile > 15 Miles, Add	*6.02*	
02 65 00 00-0056	EA	Remove and Dispose of >2,000 - 5,000 Gal Tank	5,311.09	
		For Each Additional Mile > 15 Miles, Add	*11.33*	
02 65 00 00-0057	EA	Remove and Dispose of >5,000 - 10,000 Gal Tank	8,477.57	
		For Each Additional Mile > 15 Miles, Add	*19.11*	

02 65 00 00-0058 Tank Closure Report *(02 65 00 00-0047)*

Note: Excludes soils tests. See CSI section 02 65 00 00-0009 for soil tests.

02 65 00 00-0059	EA	Prepare Tank Closure Report	3,548.78	

02 80 Facility Remediation *(02)*

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	99.05	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	50.01	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99	

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

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

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

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

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

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

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,253.96	
		For Work In Restricted Working Space, Add	*369.29*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	43.12	
		For Work In Restricted Working Space, Add	*12.59*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.62	
		For Work In Restricted Working Space, Add	*9.44*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.75	
		For Work In Restricted Working Space, Add	*7.08*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.85	
		For Work In Restricted Working Space, Add	*5.31*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.54	
		For Work In Restricted Working Space, Add	*4.62*	

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

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF Pipe Insulation, > 6" Diameter	1,276.94	
		For Work In Restricted Working Space, Add	*369.29*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	50.56	
		For Work In Restricted Working Space, Add	*14.48*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.49	
		For Work In Restricted Working Space, Add	*10.86*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.44	
		For Work In Restricted Working Space, Add	*8.14*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.65	
		For Work In Restricted Working Space, Add	*6.11*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.00	
		For Work In Restricted Working Space, Add	*5.31*	

02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

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

02 82 33 00-0018	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	799.36	
		For Work In Restricted Working Space, Add	*237.74*	
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	134.38	
		For Work In Restricted Working Space, Add	*39.62*	
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	53.57	
		For Work In Restricted Working Space, Add	*15.38*	
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	40.74	
		For Work In Restricted Working Space, Add	*11.53*	
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	31.14	
		For Work In Restricted Working Space, Add	*8.65*	

02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0023)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0025	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,245.34
02 82 33 00-0026	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	42.54
02 82 33 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	33.62
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.35
02 82 33 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.16

02 82 33 00-0030 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0031 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

Note: Exposed surface area, includes associated overspray.

02 82 33 00-0032	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,245.34
02 82 33 00-0033	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	50.91
02 82 33 00-0034	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.32
02 82 33 00-0035	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	28.88
02 82 33 00-0036	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	21.80

02 82 33 00-0037 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 33 00-0038	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,240.55
02 82 33 00-0039	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.41
02 82 33 00-0040	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.28
02 82 33 00-0041	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.18
02 82 33 00-0042	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.10

02 82 33 00-0043 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0044	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,250.13	
		For Additional Layer, Add	*338.52*	
02 82 33 00-0045	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	16.54	
		For Additional Layer, Add	*4.44*	
02 82 33 00-0046	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.18	
		For Additional Layer, Add	*3.25*	
02 82 33 00-0047	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.62	
		For Additional Layer, Add	*2.54*	
02 82 33 00-0048	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.56	
		For Additional Layer, Add	*1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0049	SF	>50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.02	
		For Additional Layer, Add	*1.55*	

02 82 33 00-0050 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0051	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,240.55	
02 82 33 00-0052	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	31.05	
02 82 33 00-0053	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	22.84	
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.92	
02 82 33 00-0055	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.03	
02 82 33 00-0056	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.12	

02 82 33 00-0057 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0058	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,250.13	
02 82 33 00-0059	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	27.15	
02 82 33 00-0060	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	20.42	
02 82 33 00-0061	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	15.44	
02 82 33 00-0062	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	11.67	

02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0031 for areas > 1 SF.

02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	205.73	

02 82 33 00-0065 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0066	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,246.30	
02 82 33 00-0067	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	17.82	
02 82 33 00-0068	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	8.77	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.04	
02 82 33 00-0070	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.20	

02 82 33 00-0071 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0072 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0071)*

02 82 33 00-0073 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0074	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,234.80	
		For Each Additional Layer, Add	*185.22*	
02 82 33 00-0075	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	8.77	
		For Each Additional Layer, Add	*1.32*	
02 82 33 00-0076	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.20	
		For Each Additional Layer, Add	*1.08*	
02 82 33 00-0077	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.77	
		For Each Additional Layer, Add	*0.87*	
02 82 33 00-0078	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.02	
		For Each Additional Layer, Add	*0.60*	

02 82 33 00-0079 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0080	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,234.80	
		For Each Additional Layer, Add	*185.22*	
02 82 33 00-0081	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	8.77	
		For Each Additional Layer, Add	*1.32*	
02 82 33 00-0082	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.22	
		For Each Additional Layer, Add	*1.08*	
02 82 33 00-0083	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.57	
		For Each Additional Layer, Add	*0.99*	
02 82 33 00-0084	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.33	
		For Each Additional Layer, Add	*0.80*	

02 82 33 00-0085 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

02 82 33 00-0086	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,234.80	
02 82 33 00-0087	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.87	
02 82 33 00-0088	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.59	
02 82 33 00-0089	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.11	
02 82 33 00-0090	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.15	

02 82 33 00-0091 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

Note: Up to 12".

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0092	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	415.12	
02 82 33 00-0093	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.66	
02 82 33 00-0094	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.47	
02 82 33 00-0095	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.24	
02 82 33 00-0096	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.63	
02 82 33 00-0097		Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0071)*		
		Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0098	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,240.56	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0099	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal	3.17	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0100	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	2.35	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0101	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.84	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0102	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal	1.48	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0103		Roofing, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0104		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0103)*		
		Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0105		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0104)*		
02 82 33 00-0106	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,278.87	
02 82 33 00-0107	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.24	
02 82 33 00-0108	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.68	
02 82 33 00-0109	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.42	
02 82 33 00-0110	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.16	
02 82 33 00-0111	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.21	
02 82 33 00-0112		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0104)*		
02 82 33 00-0113	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,315.25	
02 82 33 00-0114	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.74	
02 82 33 00-0115	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.91	
02 82 33 00-0116	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.52	
02 82 33 00-0117	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.08	
02 82 33 00-0118	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.99	
02 82 33 00-0119		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0104)*		
02 82 33 00-0120	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,357.40	
02 82 33 00-0121	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	11.10	
02 82 33 00-0122	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.08	
02 82 33 00-0123	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.54	
02 82 33 00-0124	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.94	
02 82 33 00-0125	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.73	
02 82 33 00-0126		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0103)*		
02 82 33 00-0127		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0126)*		
02 82 33 00-0128	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	1,242.94	
		Note: Single or first of multiple layers.		
02 82 33 00-0129	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	7.96	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*1.59*	
02 82 33 00-0130	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	6.40	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*1.28*	
02 82 33 00-0131	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	5.14	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*1.03*	
02 82 33 00-0132	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	3.88	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*0.78*	
02 82 33 00-0133	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	2.93	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0134		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0135		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0134)* Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0136	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1,250.12	
02 82 33 00-0137	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	8.58	
02 82 33 00-0138	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.38	
02 82 33 00-0139	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.55	
02 82 33 00-0140	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.11	
02 82 33 00-0141		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0134)*		
02 82 33 00-0142	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.12	
02 82 33 00-0143	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.47	
02 82 33 00-0144	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.92	
02 82 33 00-0145	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.17	
02 82 33 00-0146	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.79	
02 82 33 00-0147		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0134)*		
02 82 33 00-0148	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,048.80	
02 82 33 00-0149	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	44.27	
02 82 33 00-0150	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.77	
02 82 33 00-0151	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.90	
02 82 33 00-0152	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	20.00	
02 82 33 00-0153	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.58	
02 82 33 00-0154	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.27	
02 82 33 00-0155		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0134)*		
02 82 33 00-0156	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,263.44	
02 82 33 00-0157	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.74	
02 82 33 00-0158	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.44	
02 82 33 00-0159	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.38	
02 82 33 00-0160	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.33	
02 82 33 00-0161	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.55	
02 82 33 00-0162		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0163		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0162)*		
02 82 33 00-0164	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	843.64	
		For Work In Restricted Working Space, Add	*246.20*	
02 82 33 00-0165	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	83.90	
		For Work In Restricted Working Space, Add	*24.48*	
02 82 33 00-0166	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	56.70	
		For Work In Restricted Working Space, Add	*16.32*	
02 82 33 00-0167	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	43.16	
		For Work In Restricted Working Space, Add	*12.26*	
02 82 33 00-0168	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.94	
		For Work In Restricted Working Space, Add	*9.79*	
02 82 33 00-0169	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	30.04	
		For Work In Restricted Working Space, Add	*8.32*	
02 82 33 00-0170	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	27.26	
		For Work In Restricted Working Space, Add	*7.49*	
02 82 33 00-0171	SF	HEPA Vacuum Asbestos Debris Prior To Abatement, Asbestos Abatement And Disposal	0.28	
		For Work In Restricted Working Space, Add	*0.07*	
02 82 33 00-0172		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0173		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0174	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	420.67	
02 82 33 00-0175	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	158.06	
02 82 33 00-0176	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	143.29	
02 82 33 00-0177		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0178	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	410.81	
02 82 33 00-0179	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.44	
02 82 33 00-0180	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.35	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0181	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.47	
02 82 33 00-0182	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.71	
02 82 33 00-0183	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.04	
02 82 33 00-0184	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.49	
02 82 33 00-0185		Grout, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
		Note: e.g. flue grout.		
02 82 33 00-0186	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	410.65	
02 82 33 00-0187	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.19	
02 82 33 00-0188	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.15	
02 82 33 00-0189	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.56	
02 82 33 00-0190	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.22	
02 82 33 00-0191	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.08	
02 82 33 00-0192	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.07	
02 82 33 00-0193		Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
		Note: e.g. rope, web cloth, flat.		
02 82 33 00-0194	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	410.81	
02 82 33 00-0195	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	21.81	
02 82 33 00-0196	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.37	
02 82 33 00-0197	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	13.95	
02 82 33 00-0198	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.56	
02 82 33 00-0199	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.29	
02 82 33 00-0200	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.75	
02 82 33 00-0201		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
		Note: e.g. grid, spline, or glued on.		
02 82 33 00-0202	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	830.23	
02 82 33 00-0203	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	17.63	
02 82 33 00-0204	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.58	
02 82 33 00-0205	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.85	
02 82 33 00-0206	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.01	
02 82 33 00-0207		Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0208		Caulking, Interior And Exterior *(02 82 33 00-0207)*		
		Note: Includes Glazing Compound.		
02 82 33 00-0209	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	410.65	
02 82 33 00-0210	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	12.13	
02 82 33 00-0211	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.57	
02 82 33 00-0212	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.38	
02 82 33 00-0213	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.80	
02 82 33 00-0214	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.81	
02 82 33 00-0215	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.30	
02 82 33 00-0216		Expansion Joints, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0217	SET	Up To 10 LF, Expansion Joints, Asbestos Abatement And Disposal	410.65	
02 82 33 00-0218	LF	>10 To 50 LF, Expansion Joints, Asbestos Abatement And Disposal	21.79	
02 82 33 00-0219	LF	>50 To 250 LF, Expansion Joints, Asbestos Abatement And Disposal	16.35	
02 82 33 00-0220	LF	>250 To 500 LF, Expansion Joints, Asbestos Abatement And Disposal	13.93	
02 82 33 00-0221	LF	>500 To 1,500 LF, Expansion Joints, Asbestos Abatement And Disposal	12.54	
02 82 33 00-0222	LF	>2,500 LF, Expansion Joints, Asbestos Abatement And Disposal	10.73	
02 82 33 00-0223		Brick And Block, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0224	SET	Up To 10 CF, Brick And Block, Asbestos Abatement And Disposal	843.64	
		For Work In Restricted Working Space, Add	*246.20*	
02 82 33 00-0225	CF	>10 To 100 CF, Brick And Block, Asbestos Abatement And Disposal	83.90	
		For Work In Restricted Working Space, Add	*24.48*	
02 82 33 00-0226	CF	>100 To 250 CF, Brick And Block, Asbestos Abatement And Disposal	56.70	
		For Work In Restricted Working Space, Add	*16.32*	
02 82 33 00-0227	CF	>250 To 500 CF, Brick And Block, Asbestos Abatement And Disposal	43.16	
		For Work In Restricted Working Space, Add	*12.26*	
02 82 33 00-0228	CF	>500 To 2,500 CF, Brick And Block, Asbestos Abatement And Disposal	34.94	
		For Work In Restricted Working Space, Add	*9.79*	
02 82 33 00-0229	CF	>2,500 To 10,000 CF, Brick And Block, Asbestos Abatement And Disposal	30.04	
		For Work In Restricted Working Space, Add	*8.32*	
02 82 33 00-0230	CF	>10,000 CF, Brick And Block, Asbestos Abatement And Disposal	27.26	
		For Work In Restricted Working Space, Add	*7.49*	
02 82 33 00-0231		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0232		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0231)*		
02 82 33 00-0233	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	410.65	
02 82 33 00-0234	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	4.58	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0235	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.23	
02 82 33 00-0236	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.41	
02 82 33 00-0237	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.81	
02 82 33 00-0238	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.45	
02 82 33 00-0239	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.26	
02 82 33 00-0240		Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0241	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	5.32	
02 82 33 00-0242	SF	Mastic On Walls, Asbestos Abatement And Disposal	20.61	
02 82 33 00-0243		Other Material, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0244	LF	Chemical Countertops, Asbestos Abatement And Disposal	28.13	
02 82 33 00-0245	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,593.89	
02 82 33 00-0246	EA	Elevator Brake Lining, Asbestos Abatement And Disposal	102.68	
02 82 33 00-0247	EA	Asbestos Sink Undercoating, Asbestos Abatement And Disposal	83.03	
02 82 33 00-0248		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0172)*		
02 82 33 00-0249	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	864.78	
02 82 33 00-0250	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	84.47	
02 82 33 00-0251	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	59.99	
02 82 33 00-0252	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	47.80	
02 82 33 00-0253	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	40.41	
02 82 33 00-0254	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	35.99	
02 82 33 00-0255	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	33.49	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

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

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

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0001		Lead Sampling And Testing *(02 83 19 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	115.83	
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	74.96	
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76	
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72	
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21	
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27	
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49	
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36	
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76	
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72	
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96	
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31	
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92	
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96	
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31	
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92	
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49	
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23	
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98	
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97	
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95	
02 83 19 13-0023		Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0024	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	18.91	
		For 0.025" (25 mil) Application, Add	*1.10*	
		For 0.03" (30 mil) Application, Add	*1.74*	
		For 0.125" (125 mil) Application, Add	*9.23*	
02 83 19 13-0025	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	38.78	
		For 0.025" (25 mil) Application, Add	*2.09*	
		For 0.03" (30 mil) Application, Add	*3.23*	
		For 0.125" (125 mil) Application, Add	*14.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0026	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	20.49	
		For 0.025" (25 mil) Application, Add	*1.27*	
		For 0.03" (30 mil) Application, Add	*2.07*	
02 83 19 13-0027	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	15.43	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.58*	
		For 0.125" (125 mil) Application, Add	*9.86*	
02 83 19 13-0028	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	12.58	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.37*	
		For 0.125" (125 mil) Application, Add	*9.15*	
02 83 19 13-0029	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	17.43	
		For 0.025" (25 mil) Application, Add	*1.07*	
		For 0.03" (30 mil) Application, Add	*1.73*	
02 83 19 13-0030	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	36.91	
		For 0.025" (25 mil) Application, Add	*2.05*	
		For 0.03" (30 mil) Application, Add	*3.19*	
02 83 19 13-0031	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	14.73	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.53*	
02 83 19 13-0032	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	18.15	
		For 0.025" (25 mil) Application, Add	*1.11*	
		For 0.03" (30 mil) Application, Add	*1.79*	
02 83 19 13-0033	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	18.96	
		For 0.025" (25 mil) Application, Add	*1.15*	
		For 0.03" (30 mil) Application, Add	*1.85*	
02 83 19 13-0034	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	39.46	
		For 0.025" (25 mil) Application, Add	*2.17*	
		For 0.03" (30 mil) Application, Add	*3.38*	
02 83 19 13-0035	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	8.39	
		For 0.025" (25 mil) Application, Add	*0.57*	
		For 0.03" (30 mil) Application, Add	*0.95*	
		For 0.125" (125 mil) Application, Add	*6.60*	
02 83 19 13-0036	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	13.57	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.34*	
		For 0.125" (125 mil) Application, Add	*7.89*	
02 83 19 13-0037	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	24.30	
		For 0.025" (25 mil) Application, Add	*1.47*	
		For 0.03" (30 mil) Application, Add	*2.35*	
		For 0.125" (125 mil) Application, Add	*13.58*	
02 83 19 13-0038	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	33.34	
		For 0.025" (25 mil) Application, Add	*1.97*	
		For 0.03" (30 mil) Application, Add	*3.14*	
		For 0.125" (125 mil) Application, Add	*17.34*	
02 83 19 13-0039	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	59.87	
		For 0.025" (25 mil) Application, Add	*3.44*	
		For 0.03" (30 mil) Application, Add	*5.45*	
		For 0.125" (125 mil) Application, Add	*28.47*	
02 83 19 13-0040	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	24.54	
		For 0.025" (25 mil) Application, Add	*1.79*	
		For 0.03" (30 mil) Application, Add	*3.04*	
02 83 19 13-0041	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	26.91	
		For 0.025" (25 mil) Application, Add	*1.91*	
		For 0.03" (30 mil) Application, Add	*3.22*	
02 83 19 13-0042	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	13.60	
		For 0.025" (25 mil) Application, Add	*0.88*	
		For 0.03" (30 mil) Application, Add	*1.45*	
		For 0.125" (125 mil) Application, Add	*9.40*	
02 83 19 13-0043	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	15.47	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.59*	
		For 0.125" (125 mil) Application, Add	*9.87*	
02 83 19 13-0044	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	15.43	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.58*	
		For 0.125" (125 mil) Application, Add	*9.86*	
02 83 19 13-0045	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	35.82	
		For 0.025" (25 mil) Application, Add	*1.99*	
		For 0.03" (30 mil) Application, Add	*3.11*	
02 83 19 13-0046	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	39.22	
		For 0.025" (25 mil) Application, Add	*2.16*	
		For 0.03" (30 mil) Application, Add	*3.37*	
02 83 19 13-0047	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	41.53	
		For 0.025" (25 mil) Application, Add	*2.28*	
		For 0.03" (30 mil) Application, Add	*3.54*	
02 83 19 13-0048	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	43.84	
		For 0.025" (25 mil) Application, Add	*2.39*	
		For 0.03" (30 mil) Application, Add	*3.71*	
02 83 19 13-0049	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	46.14	
		For 0.025" (25 mil) Application, Add	*2.51*	
		For 0.03" (30 mil) Application, Add	*3.89*	
02 83 19 13-0050	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	48.53	
		For 0.025" (25 mil) Application, Add	*2.63*	
		For 0.03" (30 mil) Application, Add	*4.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0051	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	71.51	
		For 0.025" (25 mil) Application, Add	*3.98*	
		For 0.03" (30 mil) Application, Add	*6.21*	
		For 0.125" (125 mil) Application, Add	*29.88*	
02 83 19 13-0052	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	12.33	
		For 0.025" (25 mil) Application, Add	*0.77*	
		For 0.03" (30 mil) Application, Add	*1.24*	
		For 0.125" (125 mil) Application, Add	*7.58*	
02 83 19 13-0053	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	36.26	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	*2.11*	
		For 0.03" (30 mil) Application, Add	*3.36*	
		For 0.125" (125 mil) Application, Add	*18.07*	
02 83 19 13-0054	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	39.71	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	*2.24*	
		For 0.03" (30 mil) Application, Add	*3.51*	
		For 0.125" (125 mil) Application, Add	*17.43*	

02 83 19 13-0055 Demolish Lead Contaminated Material *(02 83 19 13)*

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

02 83 19 13-0056	SF	Demolish Plaster Or Stucco, And Lath, Lead Contaminated Material	4.60
02 83 19 13-0057	SF	Demolish Walls, Gypsum Board, Lead Contaminated Material	1.49
02 83 19 13-0058	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.84
02 83 19 13-0059	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	1.17
02 83 19 13-0060	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	88.19
02 83 19 13-0061	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	13.06
02 83 19 13-0062	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	7.32
02 83 19 13-0063	SF	Demolish Brick, Lead Contaminated Material	5.51
02 83 19 13-0064	SF	Demolish Concrete Block, Lead Contaminated Material	7.09
02 83 19 13-0065	SF	Demolish Tile, Lead Contaminated Material	5.34
02 83 19 13-0066	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	8.04
02 83 19 13-0067	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	9.14
02 83 19 13-0068	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	2.38
02 83 19 13-0069	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.97
02 83 19 13-0070	SF	Demolish Concrete, Lead Contaminated Material	18.20
02 83 19 13-0071	LF	Demolish Cabinets, Lead Contaminated Material	42.37
02 83 19 13-0072	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	2.40
02 83 19 13-0073	EA	Demolish Doors, Lead Contaminated Material	91.93
02 83 19 13-0074	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.80
02 83 19 13-0075	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	3.62
02 83 19 13-0076	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	6.02
02 83 19 13-0077	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	22.03
02 83 19 13-0078	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	9.04
02 83 19 13-0079	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	13.17
02 83 19 13-0080	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	19.91
02 83 19 13-0081	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	36.73
02 83 19 13-0082	EA	Demolish Radiators, Lead Contaminated Material	158.67
02 83 19 13-0083	EA	Demolish Shutters, Lead Contaminated Material	61.82
02 83 19 13-0084	SF	Demolish Siding, Lead Contaminated Material	2.45
02 83 19 13-0085	SF	Demolish Soffit, Lead Contaminated Material	2.09
02 83 19 13-0086	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	5.72
02 83 19 13-0087	SF	Demolish Windows, Lead Contaminated Material	21.95
02 83 19 13-0088	SF	Demolish Metal Stair, Lead Contaminated Material	10.51
02 83 19 13-0089	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	7.73
02 83 19 13-0090	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	12.61
02 83 19 13-0091	SF	Demolish Metal Picket Fence, Lead Contaminated Material	3.47
02 83 19 13-0092	SF	Demolish Plywood, Lead Contaminated Material	9.49

02 83 19 13-0093 Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)*

Note: Remove loose, flaking lead-based paint to prepare for painting.

02 83 19 13-0094	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	4.41

02 83 19 13-0095 Lead Abatement Encapsulation *(02 83 19 13)*

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0096	SF	Balustrades, Lead Abatement Encapsulation	7.87
02 83 19 13-0097	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	7.88
02 83 19 13-0098	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	10.67
02 83 19 13-0099	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	5.01
02 83 19 13-0100	SF	Ornate Cabinets, Lead Abatement Encapsulation	11.44
02 83 19 13-0101	SF	Simple Design Cabinets, Lead Abatement Encapsulation	9.30
02 83 19 13-0102	SF	Drywall Ceilings, Lead Abatement Encapsulation	3.09
02 83 19 13-0103	SF	Wood Ceilings, Lead Abatement Encapsulation	3.79
02 83 19 13-0104	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	3.50
02 83 19 13-0105	SF	Columns, Lead Abatement Encapsulation	6.09
02 83 19 13-0106	SF	Doors, Lead Abatement Encapsulation	11.72
02 83 19 13-0107	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	5.16
02 83 19 13-0108	SF	Picket Fence (Brush), Lead Abatement Encapsulation	3.58
02 83 19 13-0109	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.97
02 83 19 13-0110	SF	Grilles, Vents, Lead Abatement Encapsulation	8.50
02 83 19 13-0111	LF	Gutters And Downspouts, Lead Abatement Encapsulation	7.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0112	EA	Hangers, Lead Abatement Encapsulation	67.94	
02 83 19 13-0113	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.77	
02 83 19 13-0114	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.80	
02 83 19 13-0115	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	10.49	
02 83 19 13-0116	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	15.47	
02 83 19 13-0117	EA	Radiators, Lead Abatement Encapsulation	172.11	
02 83 19 13-0118	EA	Up To 6' Shutters, Lead Abatement Encapsulation	248.88	
02 83 19 13-0119	SF	Siding, Lead Abatement Encapsulation	4.30	
02 83 19 13-0120	SF	Up To 12" Soffit, Lead Abatement Encapsulation	6.09	
02 83 19 13-0121	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	5.01	
02 83 19 13-0122	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	6.59	
02 83 19 13-0123	SF	Trusses, Lead Abatement Encapsulation	6.59	
02 83 19 13-0124	SF	Drywall Walls, Lead Abatement Encapsulation	2.76	
02 83 19 13-0125	SF	Wood Walls, Lead Abatement Encapsulation	3.40	
02 83 19 13-0126	EA	Window Without Grille, Lead Abatement Encapsulation	145.14	
02 83 19 13-0127	EA	Window With Grille, Lead Abatement Encapsulation	186.96	
02 83 19 13-0128	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	4.53	
02 83 19 13-0129	LF	Steel Lintels, Lead Abatement Encapsulation	5.18	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.37	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.36	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.83	

02 83 33 16 Lead Contaminated Ground Water (D008) Removal and Disposal *(02 83 33)*

02 83 33 16-0001 Lead Contaminated Ground Water (D008) Removal and Disposal *(02 83 33 16)*

02 83 33 16-0002	DRM	55 Gallon Drum, Disposal Of Lead Contaminated Ground Water (D008)	422.08	
02 83 33 16-0003	EA	Transportation Fee, Disposal Of Lead Contaminated Ground Water (D008) Note: Includes manifest fee.	675.32	

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury *(02 84)*

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*

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

02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	12.83	

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*

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

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

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

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

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

02 84 16 00-0013 Disposal Of Fixtures Contaminated By Leaking PCB Ballasts *(02 84 16)*

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes demolition of fixture, ballast(s) removal and disposal of leaking ballast(s).

02 84 16 00-0014	EA	Disposal Of Fixture Contaminated By Leaking Polychlorinated Biphenyl (PCB) Ballasts	165.98	

02 87 Bio-Hazard Material Remediation *(02 80)*

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

02 87 13 Mold Remediation *(02 87)*

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

regulations. Where types of Mold Remediation are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

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

02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*
Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)*
Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*
Note: Excludes encased fittings.

02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	832.14	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.30	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.36	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.42	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.96	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.21	

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

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	866.62	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	38.79	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.67	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.82	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.69	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.69	

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

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

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	849.38	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.81	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.25	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.83	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.43	

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*
Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	839.81	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	18.62	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.06	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.64	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.09	

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	839.81	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	18.62	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.06	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.64	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.09	

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

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	858.97	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.28	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.99	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.97	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.94	

02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	849.38	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	25.70	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.44	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.73	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.19	

02 87 13 33-0049 Flooring, Mold Abatement And Disposal *(02 87 13 33)*
Note: Includes cove base.

02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)*

02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)*
Note: Single layer or first of multiple layers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	858.97	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.24	
		For Each Additional Layer, Add	*1.56*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.53	
		For Each Additional Layer, Add	*0.88*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.09	
		For Each Additional Layer, Add	*0.52*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.65	
		For Each Additional Layer, Add	*0.41*	

02 87 13 33-0057 Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)*

02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)*

02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	858.97	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.21	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.31	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.25	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.75	

02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)*

02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	858.97	
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	5.85	
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	4.28	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	3.42	
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.65	

02 87 13 33-0070 Subflooring, Mold Abatement And Disposal *(02 87 13 33-0049)*

02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	849.38	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.17	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.63	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.84	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.85	

02 87 13 33-0076 Siding, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0076)*

Note: Includes detachment of mounted objects before removal.

02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	858.97	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.22	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.40	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.61	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.02	

02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0076)*

02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	858.97	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.71	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.38	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.66	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.31	

02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0089)*

02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	866.62	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.68	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.22	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.49	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.65	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.50	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.87	

02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.

02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	429.48	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.49	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.61	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.05	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.56	

02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.

02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	858.97	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.64	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.06	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.66	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.61	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.53	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.12	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.73	

02 87 13 33-0114 Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*

02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	205.79	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.13	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.96	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.25	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.67	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.35	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.17	

02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	22.81	
		For >25 To 50, Deduct	*-2.28*	
		For >50 To 200, Deduct	*-5.70*	
		For >200, Deduct	*-9.12*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	26.83	
		For >25 To 50, Deduct	*-2.68*	
		For >50 To 200, Deduct	*-6.71*	
		For >200, Deduct	*-10.73*	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	30.52	
		For >25 To 50, Deduct	*-3.05*	
		For >50 To 200, Deduct	*-7.63*	
		For >200, Deduct	*-12.20*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	24.88	
		For >25 To 50, Deduct	*-2.49*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	31.57	
		For >25 To 50, Deduct	*-3.16*	
		For >50 To 200, Deduct	*-7.89*	
		For >200, Deduct	*-12.62*	

02 87 16 Excrement Removal *(02 87)*

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

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF, Bird Waste Removal	820.65	
		For Work In Restricted Working Space, Add	*246.20*	
02 87 16 13-0003	SF	>10 To 500 SF, Bird Waste Removal	13.68	
		For Work In Restricted Working Space, Add	*4.10*	
02 87 16 13-0004	SF	>500 To 2,500 SF, Bird Waste Removal	12.43	
		For Work In Restricted Working Space, Add	*3.73*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF, Bird Waste Removal	11.31	
		For Work In Restricted Working Space, Add	*3.39*	
02 87 16 13-0006	SF	>10,000 SF, Bird Waste Removal	10.28	
		For Work In Restricted Working Space, Add	*3.08*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

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

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

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

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	726.21	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	689.90	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	544.64	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	629.37	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,228.57	

Note: Includes a hydraulic closer and a lever style lockset standard.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	251.04	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.84	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.05	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	208.68	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,470.67	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	208.68	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,107.52	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.64	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.66	

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

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

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.66	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.87	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.17	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.78	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.99	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.29	

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.16	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.25	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.66	

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

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.34	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.24	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.55	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.66	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.19	

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

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	27.34	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.39	

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

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	23.05	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	26.94	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	37.51	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,540.69	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	551.90	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	877.36	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	164.68	

02 87 19 00-0045 Temporary Portable And Mobile Trailers *(02 87 19)*

02 87 19 00-0046 Trailer Delivery *(02 87 19 00-0045)*

02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,548.94	

02 87 19 00-0048 Portable And Mobile Trailers, Purchase *(02 87 19 00-0045)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,429.45	
		For Tie-Downs, Add	*133.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,969.56	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,060.78	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	33,809.95	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	38,437.03	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	40,412.04	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	44,966.14	
		For Tie-Downs, Add	*133.31*	

02 87 19 00-0056 Portable And Mobile Trailers, Rental *(02 87 19 00-0045)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

02 87 19 00-0057	MO	8' x 24' Mobile Trailer, With Toilet, Rental	252.05	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*772.90*	
		For Each Set-Up (Block And Level), Add	*438.42*	
02 87 19 00-0058	MO	8' x 32' Mobile Trailer, With Toilet, Rental	285.65	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*772.90*	
		For Each Set-Up (Block And Level), Add	*438.42*	
02 87 19 00-0059	MO	10' x 36' Mobile Trailer, With Toilet, Rental	386.47	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*1,094.95*	
		For Each Set-Up (Block And Level), Add	*715.32*	
02 87 19 00-0060	MO	10' x 44' Mobile Trailer, With Toilet, Rental	453.69	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*1,094.95*	
		For Each Set-Up (Block And Level), Add	*715.32*	
02 87 19 00-0061	MO	10' x 50' Mobile Trailer, With Toilet, Rental	478.89	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*1,094.95*	
		For Each Set-Up (Block And Level), Add	*715.32*	
02 87 19 00-0062	MO	12' x 50' Mobile Trailer, With Toilet, Rental	619.20	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*1,094.95*	
		For Each Set-Up (Block And Level), Add	*715.32*	
02 87 19 00-0063	MO	12' x 60' Mobile Trailer, With Toilet, Rental	856.12	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	
		For Each Delivery And Removal, Two Round Trips, Add	*1,094.95*	
		For Each Set-Up (Block And Level), Add	*715.32*	
02 87 19 00-0064	MO	24' x 60' Modular Trailer, With Toilet, Rental	1,344.25	
		For Each Delivery And Removal, Two Round Trips, Add	*2,061.08*	
		For Each Set-Up (Block And Level), Add	*1,153.75*	
		For Each Anchoring Into Dirt, Add	*136.25*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*204.37*	

02 87 19 00-0065 Accessories For Portable And Mobile Trailers *(02 87 19 00-0045)*

02 87 19 00-0066 Skirting *(02 87 19 00-0065)*

Note: Includes 2" x 4" wood framing 16" on center.

02 87 19 00-0067	SF	1'-8" High Vinyl Covered Skirt	5.92	2.41
02 87 19 00-0068	SF	3' High Vinyl Covered Skirt	8.74	3.97

02 87 19 00-0069 Aluminum Modular Access Ramp *(02 87 19 00-0065)*

Note: Includes picketed guardrails, inside grab rails, legs and hardware.

02 87 19 00-0070	EA	Up To 35" High, Aluminum Modular Access Ramp	3,936.49	46.10

02 87 19 00-0071 Aluminum Modular Stairs *(02 87 19 00-0065)*

Note: Excludes earthwork

02 87 19 00-0072	EA	Aluminum Steps For Mobile Trailers	1,089.82	

02 87 19 00-0073 Decontamination Chambers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

Note: Includes removal after use.

02 87 19 00-0074	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,082.09	
02 87 19 00-0075	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,276.28	
02 87 19 00-0076	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	668.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning, Level 2 *(02 87 19)*

Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0147 for disposal of material into approved landfill.

02 87 19 00-0078 Bio-Hazard And Infectious Disease Control Cleaning Mobilization *(02 87 19 00-0077)*

02 87 19 00-0079	EA	Mobilization And Set-Up For Bio-Hazard And Infectious Disease Control Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	441.67	

02 87 19 00-0080 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces *(02 87 19 00-0077)*

Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces

02 87 19 00-0081	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.74	
		For >25 To 50, Deduct	*-3.27*	
		For >50 To 200, Deduct	*-6.54*	
		For >200, Deduct	*-9.82*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.54*	
		For Level 3 Biohazard Cleaning, Add	*10.80*	
02 87 19 00-0082	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	38.51	
		For >25 To 50, Deduct	*-3.85*	
		For >50 To 200, Deduct	*-7.70*	
		For >200, Deduct	*-11.55*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.70*	
		For Level 3 Biohazard Cleaning, Add	*12.70*	
02 87 19 00-0083	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	43.80	
		For >25 To 50, Deduct	*-4.38*	
		For >50 To 200, Deduct	*-8.76*	
		For >200, Deduct	*-13.13*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.76*	
		For Level 3 Biohazard Cleaning, Add	*14.45*	
02 87 19 00-0084	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.71	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For >5 To 10, Deduct	*-1.78*	
		For >10 To 50, Deduct	*-3.57*	
		For >50, Deduct	*-7.14*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.14*	
		For Level 3 Biohazard Cleaning, Add	*11.78*	
02 87 19 00-0085	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	45.32	
		For >25 To 50, Deduct	*-4.53*	
		For >50 To 200, Deduct	*-9.06*	
		For >200, Deduct	*-13.59*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-9.06*	
		For Level 3 Biohazard Cleaning, Add	*14.95*	

02 87 19 00-0086 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials *(02 87 19 00-0077)*

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

02 87 19 00-0087	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	84.62	
		For Level 1 Biohazard Cleaning, Deduct	*-16.92*	
		For Level 3 Biohazard Cleaning, Add	*27.92*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0088	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	38.83	
		For Level 1 Biohazard Cleaning, Deduct	*-7.76*	
		For Level 3 Biohazard Cleaning, Add	*12.81*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.00*	
02 87 19 00-0089	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	136.32	
		For Level 1 Biohazard Cleaning, Deduct	*-27.26*	
		For Level 3 Biohazard Cleaning, Add	*44.98*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0090	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.40	
		For Level 1 Biohazard Cleaning, Deduct	*-1.68*	
		For Level 3 Biohazard Cleaning, Add	*2.77*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0091	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	125.67	
		For Level 1 Biohazard Cleaning, Deduct	*-25.13*	
		For Level 3 Biohazard Cleaning, Add	*41.46*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0092	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	13.42	
		For Level 1 Biohazard Cleaning, Deduct	*-2.68*	
		For Level 3 Biohazard Cleaning, Add	*4.42*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	

02 87 19 00-0093 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0077)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0094	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.94	
		For Level 1 Biohazard Cleaning, Deduct	*-0.98*	
		For Level 3 Biohazard Cleaning, Add	*1.62*	
02 87 19 00-0095	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.19	
		For Level 1 Biohazard Cleaning, Deduct	*-1.23*	
		For Level 3 Biohazard Cleaning, Add	*2.02*	
02 87 19 00-0096	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	8.30	
		For Level 1 Biohazard Cleaning, Deduct	*-1.64*	
		For Level 3 Biohazard Cleaning, Add	*2.70*	
02 87 19 00-0097	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	11.75	
		For Level 1 Biohazard Cleaning, Deduct	*-2.30*	
		For Level 3 Biohazard Cleaning, Add	*3.80*	
02 87 19 00-0098	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	220.86	
		For Level 1 Biohazard Cleaning, Deduct	*-44.17*	
		For Level 3 Biohazard Cleaning, Add	*72.88*	
02 87 19 00-0099	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	15.36	
		For Level 1 Biohazard Cleaning, Deduct	*-3.07*	
		For Level 3 Biohazard Cleaning, Add	*5.06*	
02 87 19 00-0100	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	147.25	
		For Level 1 Biohazard Cleaning, Deduct	*-29.45*	
		For Level 3 Biohazard Cleaning, Add	*48.59*	
02 87 19 00-0101	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	441.69	
		For Level 1 Biohazard Cleaning, Deduct	*-88.33*	
		For Level 3 Biohazard Cleaning, Add	*145.75*	
02 87 19 00-0102	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation.	36.82	
		For Level 1 Biohazard Cleaning, Deduct	*-7.36*	
		For Level 3 Biohazard Cleaning, Add	*12.14*	
02 87 19 00-0103	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.66	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	
02 87 19 00-0104	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.74	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	

02 87 19 00-0105 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0106	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	105.61
02 87 19 00-0107	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	449.82
02 87 19 00-0108	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	1,259.50
02 87 19 00-0109	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	160.68
02 87 19 00-0110	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	441.86
02 87 19 00-0111	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	1,205.08
02 87 19 00-0112	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	34.77
02 87 19 00-0113	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	95.61
02 87 19 00-0114	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	260.76
02 87 19 00-0115	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	108.40
02 87 19 00-0116	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	445.21
02 87 19 00-0117	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	1,345.31
02 87 19 00-0118	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup Note: Required if over 800 hours operation.	129.08
02 87 19 00-0119	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	342.34
02 87 19 00-0120	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	684.68
02 87 19 00-0121	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,369.37
02 87 19 00-0122	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	456.46
02 87 19 00-0123	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	912.91
02 87 19 00-0124	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,825.82
02 87 19 00-0125	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,008.89
02 87 19 00-0126	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,017.78
02 87 19 00-0127	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	4,035.55
02 87 19 00-0128	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,345.18
02 87 19 00-0129	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,690.37
02 87 19 00-0130	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	5,380.74
02 87 19 00-0131	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,681.48
02 87 19 00-0132	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	3,362.96
02 87 19 00-0133	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	6,725.92
02 87 19 00-0134	EA	Set-up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	135.48
02 87 19 00-0135	EA	Set-up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	270.97
02 87 19 00-0136	EA	Set-up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	812.92
02 87 19 00-0137	EA	Set-up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	1,625.84
02 87 19 00-0138	EA	Set-up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	2,709.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0139	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	74.86	
02 87 19 00-0140	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	205.86	
02 87 19 00-0141	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	561.44	

02 87 19 00-0142 Bio-Hazard And Infectious Disease Control Hauling By Truck *(02 87 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

02 87 19 00-0143	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	139.81	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.75*	
02 87 19 00-0144	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup Note: Each first 15 miles per trip	192.76	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.41*	
02 87 19 00-0145	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	200.60	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.51*	
02 87 19 00-0146	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	208.74	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.61*	

02 87 19 00-0147 Bio-Hazard And Infectious Disease Control Disposal *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0148	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	62.06	

02 87 19 00-0149 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters *(02 87 19)*

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0150	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,763.24	
02 87 19 00-0151	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,495.51	
02 87 19 00-0152	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,438.25	
02 87 19 00-0153	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.96	
02 87 19 00-0154	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,041.64	
02 87 19 00-0155	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	33,439.59	
02 87 19 00-0156	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,165.56	
02 87 19 00-0157	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	52,633.36	
02 87 19 00-0158	EA	6' Step Ladder (AKS-AC595)	318.21	
02 87 19 00-0159	EA	10 Lb. Sledgehammer (AKS-AA268)	95.96	

02 87 19 00-0160 Bio-Hazard And Infectious Disease Time And Material Tasks *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0161 Bio-Hazard And Infectious Disease Control Labor *(02 87 19 00-0160)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0162	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	150.48	
02 87 19 00-0163	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	167.16	
02 87 19 00-0164	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	103.65	
02 87 19 00-0165	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	124.63	
02 87 19 00-0166	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	137.06	

02 87 19 00-0167 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment *(02 87 19 00-0160)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0168	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.51	
02 87 19 00-0169	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.61	
02 87 19 00-0170	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.06	
02 87 19 00-0171	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	129.50	
02 87 19 00-0172	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	40.21	
02 87 19 00-0173	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	395.08	
02 87 19 00-0174	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	54.01	
02 87 19 00-0175	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	98.12	
02 87 19 00-0176	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	20.86	
02 87 19 00-0177	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	17.81	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0178	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,640.77	
02 87 19 00-0179		Bio-Hazard And Infectious Disease Control Expendables *(02 87 19 00-0160)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0023 for temporary walls.		
02 87 19 00-0180	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	8.97	
02 87 19 00-0181	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.34	
02 87 19 00-0182	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	87.93	
02 87 19 00-0183	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	359.84	
02 87 19 00-0184	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.21	
02 87 19 00-0185	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.76	
02 87 19 00-0186	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.44	
02 87 19 00-0187	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup	78.62	
02 87 19 00-0188	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup	46.12	
02 87 19 00-0189	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.72	
02 87 19 00-0190	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup	18.00	
02 87 19 00-0191	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup	141.99	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001		Barriers And Protection *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		Isolation Barriers *(02 89 00 00-0001)* See CSI section 01 56 16 00-0023 for temporary stud walls.		
02 89 00 00-0003		Type C Supplied Air System *(02 89 00 00-0001)* Note: Includes mobilization, setup, maintenance and removal of equipment. For owner / site inspection use.		
02 89 00 00-0004	EA	Type C Supplied Air System	901.95	
02 89 00 00-0005		Hazmat Containment Construction Plastic Sheeting *(02 89 00 00-0001)*		
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.50	
02 89 00 00-0007	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.66	
02 89 00 00-0008	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.89	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.81	
02 89 00 00-0010	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	1.02	
02 89 00 00-0011	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.35	
02 89 00 00-0012		Decontamination Chambers *(02 89)* Note: Includes removal after use.		
02 89 00 00-0013	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,099.59	
02 89 00 00-0014	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,297.31	
02 89 00 00-0015	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	682.06	
		For Dismantling And Relocation To A Different Area, Add	*451.52*	

02 90 Disaster Recovery *(02)*

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

02 90 50 Cleaning and Disaster Cleanup *(02 90)*

02 90 50 00-0001		Non-Mold Contaminated Wet Material Removal *(02 90 50)* Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	37.12	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	9.03	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.75	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.90	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.88	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.38	
02 90 50 00-0008		Cleaning *(02 90 50)* Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009		Clean Furnishings *(02 90 50 00-0008)*		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	29.53	
		For Medium Clean, Add	*12.40*	
		For Heavy Clean, Add	*38.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.64	
		For Medium Clean, Add	*0.69*	
		For Heavy Clean, Add	*2.13*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.95	
		For Medium Clean, Add	*1.24*	
		For Heavy Clean, Add	*3.84*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.53	
		For Medium Clean, Add	*3.58*	
		For Heavy Clean, Add	*11.09*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	27.56	
		For Medium Clean, Add	*11.58*	
		For Heavy Clean, Add	*35.83*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	169.98	
		For Medium Clean, Add	*71.39*	
		For Heavy Clean, Add	*220.97*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	34.78	
		For Medium Clean, Add	*14.61*	
		For Heavy Clean, Add	*45.21*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	32.82	
		For Medium Clean, Add	*13.78*	
		For Heavy Clean, Add	*42.67*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	7.20	
		For Medium Clean, Add	*3.02*	
		For Heavy Clean, Add	*9.36*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	9.21	
		For Medium Clean, Add	*3.87*	
		For Heavy Clean, Add	*11.97*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.55	
		For Medium Clean, Add	*3.17*	
		For Heavy Clean, Add	*9.82*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.76	
		For Medium Clean, Add	*6.20*	
		For Heavy Clean, Add	*19.19*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.55	
		For Medium Clean, Add	*3.17*	
		For Heavy Clean, Add	*9.82*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	13.13	
		For Medium Clean, Add	*5.51*	
		For Heavy Clean, Add	*17.07*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.15	
		For Medium Clean, Add	*1.32*	
		For Heavy Clean, Add	*4.10*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.56*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.58	
		For Medium Clean, Add	*2.34*	
		For Heavy Clean, Add	*7.25*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.33	
		For Medium Clean, Add	*2.66*	
		For Heavy Clean, Add	*8.23*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.33	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.43*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.97	
		For Medium Clean, Add	*0.41*	
		For Heavy Clean, Add	*1.26*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.86	
		For Medium Clean, Add	*0.36*	
		For Heavy Clean, Add	*1.12*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.46	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.60*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.40	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.52*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.33	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.43*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.27	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.35*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.25*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.27	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	69.21	
		For Medium Clean, Add	*29.07*	
		For Heavy Clean, Add	*89.97*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	86.51	
		For Medium Clean, Add	*36.33*	
		For Heavy Clean, Add	*112.46*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	103.81	
		For Medium Clean, Add	*43.60*	
		For Heavy Clean, Add	*134.95*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	121.11	
		For Medium Clean, Add	*50.87*	
		For Heavy Clean, Add	*157.44*	
02 90 50 00-0045		**Clean Window Treatments** *(02 90 50 00-0008)*		
02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.76	
		For Medium Clean, Add	*0.32*	
		For Heavy Clean, Add	*0.99*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.54	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.00*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.77	
		For Medium Clean, Add	*0.74*	
		For Heavy Clean, Add	*2.30*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.62	
		For Medium Clean, Add	*0.68*	
		For Heavy Clean, Add	*2.11*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.85	
		For Medium Clean, Add	*0.78*	
		For Heavy Clean, Add	*2.41*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.98	
		For Medium Clean, Add	*0.83*	
		For Heavy Clean, Add	*2.57*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.28	
		For Medium Clean, Add	*0.96*	
		For Heavy Clean, Add	*2.96*	
02 90 50 00-0053		**Clean Appliances** *(02 90 50 00-0008)*		
02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.60	
		For Medium Clean, Add	*5.71*	
		For Heavy Clean, Add	*17.68*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	32.04	
		For Medium Clean, Add	*13.46*	
		For Heavy Clean, Add	*41.65*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	27.69	
		For Medium Clean, Add	*11.63*	
		For Heavy Clean, Add	*36.00*	
02 90 50 00-0057		**Clean Plumbing** *(02 90 50 00-0008)*		
02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	19.69	
		For Medium Clean, Add	*8.27*	
		For Heavy Clean, Add	*25.60*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.88	
		For Medium Clean, Add	*8.35*	
		For Heavy Clean, Add	*25.84*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	9.13	
		For Medium Clean, Add	*3.83*	
		For Heavy Clean, Add	*11.87*	
02 90 50 00-0061		**Clean HVAC** *(02 90 50 00-0008)*		
02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.88	
		For Medium Clean, Add	*2.47*	
		For Heavy Clean, Add	*7.64*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	16.40	
		For Medium Clean, Add	*6.89*	
		For Heavy Clean, Add	*21.32*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	63.00	
		For Medium Clean, Add	*26.46*	
		For Heavy Clean, Add	*81.90*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.91	
		For Medium Clean, Add	*2.48*	
		For Heavy Clean, Add	*7.68*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	40.90	
		For Medium Clean, Add	*17.18*	
		For Heavy Clean, Add	*53.17*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	36.42	
		For Medium Clean, Add	*15.30*	
		For Heavy Clean, Add	*47.35*	
02 90 50 00-0068		**Clean Electrical** *(02 90 50 00-0008)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	24.29	
		For Medium Clean, Add	*10.20*	
		For Heavy Clean, Add	*31.58*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	26.25	
		For Medium Clean, Add	*11.03*	
		For Heavy Clean, Add	*34.13*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	34.13	
		For Medium Clean, Add	*14.33*	
		For Heavy Clean, Add	*44.37*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	23.96	
		For Medium Clean, Add	*10.06*	
		For Heavy Clean, Add	*31.15*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.75	
		For Medium Clean, Add	*6.62*	
		For Heavy Clean, Add	*20.48*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	7.22	
		For Medium Clean, Add	*3.03*	
		For Heavy Clean, Add	*9.39*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.58	
		For Medium Clean, Add	*2.34*	
		For Heavy Clean, Add	*7.25*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.97	
		For Medium Clean, Add	*0.83*	
		For Heavy Clean, Add	*2.56*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.26	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.31	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.52	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	151.93	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	201.49	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	152.64	

02 90 50 00-0086 Board Up And Tarp Up *(02 90 50)*

02 90 50 00-0087	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.24	
02 90 50 00-0088	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	2.15	
02 90 50 00-0089	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	2.48	
02 90 50 00-0090	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	2.75	
02 90 50 00-0091	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.55	
02 90 50 00-0092	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.88	
02 90 50 00-0093	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	3.15	

02 90 50 00-0094 Minimum Charge For Disaster Cleanup *(02 90 50)*

02 90 50 00-0095	EA	Minimum Charge For Disaster Cleaning	1,447.55	
02 90 50 00-0096	EA	Minimum Charge For Disaster Water Extraction	279.05	
02 90 50 00-0097	EA	Minimum Charge For Disaster Carpet Cleaning	195.62	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.16	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	43.51	
		For 1.5 Time, Add	*21.76*	
		For 2.0 Time, Add	*43.51*	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	59.83	
		For 1.5 Time, Add	*29.92*	
		For 2.0 Time, Add	*59.83*	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	97.90	
		For 1.5 Time, Add	*48.95*	
		For 2.0 Time, Add	*97.90*	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	81.58	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	114.22	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	163.17	
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	119.66	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	59.57	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	81.58	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.07	
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	103.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	93.24	
		For 1.5 Time, Add	*46.62*	
		For 2.0 Time, Add	*93.24*	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	67.34	
		For 1.5 Time, Add	*33.67*	
		For 2.0 Time, Add	*67.34*	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	53.87	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Cleanup	33.15	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	105.61	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	402.88	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,103.04	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.42	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	88.86	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	245.29	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	61.32	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	156.44	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	369.19	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	337.90	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	907.34	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,528.03	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	763.42	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,014.92	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,431.51	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	145.70	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	27.71	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	30.60	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	73.36	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	201.74	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	550.19	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	173.84	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.81	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	139.07	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	208.61	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	139.07	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	105.96	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	40.76	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,739.09	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.04	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	35.86	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	97.81	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	88.10	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	259.20	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	887.19	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	173.71	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	409.47	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,141.56	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	186.12	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	465.31	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,253.23	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.69	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	34.77	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	250.24	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	124.22	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	202.53	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	273.37	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	269.14	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	224.14	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,010.87	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.77	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	95.61	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	260.76	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	118.21	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	325.08	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	886.59	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	29.70	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	81.69	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	222.79	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	301.59	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	317.89	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	115.74	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	309.74	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	864.01	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	34.77	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	95.61	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	260.76	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	102.70	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	821.62	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	257.57	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	515.14	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,030.29	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	342.34	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	684.68	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,369.37	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	391.25	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	782.50	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,564.99	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	456.46	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	912.91	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,825.82	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	246.49	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	677.84	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,848.65	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	74.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	205.86	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	40.67	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	305.66	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,121.59	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,084.36	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,411.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	927.15	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,549.67	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	6,953.66	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	72.01	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	198.03	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	540.09	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	337.56	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	928.28	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,531.67	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	173.84	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	478.06	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,303.80	
02 90 55 00-0233	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93	
02 90 55 00-0234	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07	
02 90 55 00-0235	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00	
02 90 55 00-0236	DAY	Injectidry System For Emergency Clean-up	215.56	
02 90 55 00-0237	WK	Injectidry System For Emergency Clean-up	592.80	
02 90 55 00-0238	MO	Injectidry System For Emergency Clean-up	1,616.72	
02 90 55 00-0239	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07	
02 90 55 00-0240	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45	
02 90 55 00-0241	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04	
02 90 55 00-0242	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56	
02 90 55 00-0243	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30	
02 90 55 00-0244	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72	
02 90 55 00-0245	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05	
02 90 55 00-0246	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14	
02 90 55 00-0247	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39	
02 90 55 00-0248	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0249	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0250	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0251	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0252	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0253	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0254	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0255	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42	
02 90 55 00-0256	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41	
02 90 55 00-0257	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75	
02 90 55 00-0258	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57	
02 90 55 00-0259	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65	
02 90 55 00-0260	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44	
02 90 55 00-0261	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70	
02 90 55 00-0262	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26	
02 90 55 00-0263	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0264	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0265	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0266	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0267	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0268	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0269	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72	
02 90 55 00-0270	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73	
02 90 55 00-0271	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89	
02 90 55 00-0272	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87	
02 90 55 00-0273	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39	
02 90 55 00-0274	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52	
02 90 55 00-0275	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48	
02 90 55 00-0276	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07	
02 90 55 00-0277	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09	
02 90 55 00-0278	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55	
02 90 55 00-0279	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52	
02 90 55 00-0280	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13	
02 90 55 00-0281	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00	
02 90 55 00-0282	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75	
02 90 55 00-0283	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50	
02 90 55 00-0284	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45	
02 90 55 00-0285	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99	
02 90 55 00-0286	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88	
02 90 55 00-0287	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	660.83	
02 90 55 00-0288	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,817.28	
02 90 55 00-0289	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,956.23	
02 90 55 00-0290	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	915.00	
02 90 55 00-0291	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,516.24	
02 90 55 00-0292	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,862.47	
02 90 55 00-0293	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	834.44	
02 90 55 00-0294	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,294.70	
02 90 55 00-0295	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,258.26	
02 90 55 00-0296	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,112.58	
02 90 55 00-0297	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,059.60	
02 90 55 00-0298	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,344.35	
02 90 55 00-0299	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,877.48	
02 90 55 00-0300	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,163.07	
02 90 55 00-0301	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,081.09	
02 90 55 00-0302	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,086.09	
02 90 55 00-0303	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,736.74	
02 90 55 00-0304	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,645.66	
02 90 55 00-0305	DAY	25' Flex Duct For Emergency Clean-up	27.81	
02 90 55 00-0306	WK	25' Flex Duct For Emergency Clean-up	76.49	
02 90 55 00-0307	MO	25' Flex Duct For Emergency Clean-up	208.61	
02 90 55 00-0308	DAY	Hygrothermograph For Emergency Clean-up	40.76	
02 90 55 00-0309	WK	Hygrothermograph For Emergency Clean-up	112.08	
02 90 55 00-0310	MO	Hygrothermograph For Emergency Clean-up	305.66	
02 90 55 00-0311	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,567.86	
02 90 55 00-0312	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,311.62	
02 90 55 00-0313	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	71,758.97	

02 90 55 00-0314 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0315	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72	
02 90 55 00-0316	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15	
02 90 55 00-0317	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59	
02 90 55 00-0318	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52	
02 90 55 00-0319	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25	
02 90 55 00-0320	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80	
02 90 55 00-0321	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52	
02 90 55 00-0322	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98	
02 90 55 00-0323	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,007.88	
02 90 55 00-0324	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53	
02 90 55 00-0325	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89	
02 90 55 00-0326	EA	Electrical Distribution Panel For Emergency Clean-up	337.56	
02 90 55 00-0327	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58	
02 90 55 00-0328	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22	
02 90 55 00-0329	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08	

02 90 55 00-0330 Freight Charges *(02 90 55 00-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0331	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04	
02 90 55 00-0332	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0333	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0334	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30	

02 90 55 00-0335 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0336	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.51	
02 90 55 00-0337	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.08	
02 90 55 00-0338	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.76	
02 90 55 00-0339	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61	
02 90 55 00-0340	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50	
02 90 55 00-0341	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.04	
02 90 55 00-0342	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89	
02 90 55 00-0343	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0344	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64	
02 90 55 00-0345	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0346	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0347	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	44.83	
02 90 55 00-0348	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.05	
02 90 55 00-0349	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86	
02 90 55 00-0350	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44	
02 90 55 00-0351	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.37	
02 90 55 00-0352	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76	
02 90 55 00-0353	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.19	
02 90 55 00-0354	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74	
02 90 55 00-0355	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43	
02 90 55 00-0356	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44	
02 90 55 00-0357	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81	
02 90 55 00-0358	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.06	
02 90 55 00-0359	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89	
02 90 55 00-0360	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.28	
02 90 55 00-0361	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.95	

02 90 55 00-0362 Emergency Clean-up Expendables *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0363 General Materials *(02 90 55 00-0362)*

02 90 55 00-0364	GAL	Adhesive Remover For Emergency Clean-up	83.44	
02 90 55 00-0365	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79	
02 90 55 00-0366	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46	
02 90 55 00-0367	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40	
02 90 55 00-0368	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0369	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0370	GAL	Bleach For Emergency Clean-up	8.97	
02 90 55 00-0371	EA	Small Stainless Brush For Emergency Clean-up	7.20	
02 90 55 00-0372	EA	2-1/2 Gallon Buckets For Emergency Clean-up	6.89	
02 90 55 00-0373	EA	5 Gallon Bucket For Emergency Clean-up	10.43	
02 90 55 00-0374	GAL	Carpet Defoamer For Emergency Clean-up	26.84	
02 90 55 00-0375	GAL	Carpet Pre-treat For Emergency Clean-up	26.64	
02 90 55 00-0376	GAL	Carpet Spotter For Emergency Clean-up	44.65	
02 90 55 00-0377	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0378	ROL	Carpet Masking/Shield For Emergency Clean-up	111.47	
02 90 55 00-0379	EA	Chemical Sponge For Emergency Clean-up	3.28	
02 90 55 00-0380	GAL	Clear Seal For Emergency Clean-up	112.19	
02 90 55 00-0381	GAL	Coil Cleaner For Emergency Clean-up	76.74	
02 90 55 00-0382	EA	Decontamination Chamber For Emergency Clean-up	333.47	
02 90 55 00-0383	GAL	All Purpose Degreaser For Emergency Clean-up	36.72	
02 90 55 00-0384	GAL	Heavy-Duty Degreaser For Emergency Clean-up	43.69	
02 90 55 00-0385	GAL	De-Foamer Liquid For Emergency Clean-up	48.25	
02 90 55 00-0386	EA	Deodorization Membrane For Emergency Clean-up	93.46	
02 90 55 00-0387	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24	
02 90 55 00-0388	LB	Deodorizing Gel For Emergency Clean-up	33.89	
02 90 55 00-0389	GAL	Deodorizing Liquid For Emergency Clean-up	49.56	
02 90 55 00-0390	PAIL	Deodorizing Block For Emergency Clean-up	8.52	
02 90 55 00-0391	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	87.93	
02 90 55 00-0392	GAL	BruClean Disinfectant For Emergency Clean-up	39.04	
02 90 55 00-0393	GAL	Dryclean For Emergency Clean-up	38.94	
02 90 55 00-0394	GAL	Duct Sealant Spray For Emergency Clean-up	58.69	
02 90 55 00-0395	GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77	
02 90 55 00-0396	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08	
02 90 55 00-0397	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53	
02 90 55 00-0398	GAL	Encapsulant For Emergency Clean-up	118.10	
02 90 55 00-0399	GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70	
02 90 55 00-0400	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	100.66	
02 90 55 00-0401	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	103.52	
02 90 55 00-0402	ROL	Filter Material For Emergency Clean-up	299.07	
02 90 55 00-0403	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.06	
02 90 55 00-0404	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	639.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0405	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.07	
02 90 55 00-0406	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.66	
02 90 55 00-0407	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.64	
02 90 55 00-0408	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	462.65	
02 90 55 00-0409	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.21	
02 90 55 00-0410	GAL	Floor Stripper For Emergency Clean-up	18.26	
02 90 55 00-0411	GAL	Floor Wax For Emergency Clean-up	26.08	
02 90 55 00-0412	GAL	Fogger (Thermal) For Emergency Clean-up	152.98	
02 90 55 00-0413	BOX	Furniture Blocks For Emergency Clean-up	123.22	
02 90 55 00-0414	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.60	
02 90 55 00-0415	GAL	Glass Cleaner For Emergency Clean-up	11.07	
02 90 55 00-0416	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.36	
02 90 55 00-0417	EA	Halogen Light Bulbs For Emergency Clean-up	18.62	
02 90 55 00-0418	QT	Hand Sanitizer For Emergency Clean-up	9.21	
02 90 55 00-0419	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.58	
02 90 55 00-0420	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.59	
02 90 55 00-0421	GAL	HVAC Coal Cleaner For Emergency Clean-up	68.77	
02 90 55 00-0422	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	165.97	
02 90 55 00-0423	EA	Utility Knives For Emergency Clean-up	14.35	
02 90 55 00-0424	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	142.37	
02 90 55 00-0425	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	150.30	
02 90 55 00-0426	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	299.26	
02 90 55 00-0427	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	432.55	
02 90 55 00-0428	GAL	Lemon Oil For Emergency Clean-up	44.50	
02 90 55 00-0429	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.39	
02 90 55 00-0430	GAL	LPS 2 For Emergency Clean-up	50.16	
02 90 55 00-0431	GAL	LPS Contact Cleaner For Emergency Clean-up	49.92	
02 90 55 00-0432	GAL	Light Lubricant Preserve For Emergency Clean-up	173.25	
02 90 55 00-0433	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.08	
02 90 55 00-0434	GAL	Machinery Cleaning Solvent For Emergency Clean-up	213.06	
02 90 55 00-0435	GAL	Metal Polishing Paste For Emergency Clean-up	32.07	
02 90 55 00-0436	GAL	MediClean® Disinfectant For Emergency Clean-up	52.71	
02 90 55 00-0437	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	64.70	
02 90 55 00-0438	EA	Mop Heads For Emergency Clean-up	7.90	
02 90 55 00-0439	EA	Nylon Scouring Pads For Emergency Clean-up	1.43	
02 90 55 00-0440	GAL	Odor Neutralizer For Emergency Clean-up	44.65	
02 90 55 00-0441	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	86.31	
02 90 55 00-0442	EA	Paint Brushes For Emergency Clean-up	6.52	
02 90 55 00-0443	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	201.27	
02 90 55 00-0444	EA	Putty Knives For Emergency Clean-up	5.91	
02 90 55 00-0445	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.92	
02 90 55 00-0446	GAL	Reodorant For Emergency Clean-up	110.85	
02 90 55 00-0447	GAL	Restoracide For Emergency Clean-up	52.00	
02 90 55 00-0448	GAL	Rust Remover For Emergency Clean-up	77.88	
02 90 55 00-0449	EA	Saltesmo Test Samples For Emergency Clean-up	7.24	
02 90 55 00-0450	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.90	
02 90 55 00-0451	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.56	
02 90 55 00-0452	EA	Small Scrub Brushes For Emergency Clean-up	16.56	
02 90 55 00-0453	GAL	Clear Soot Sealant For Emergency Clean-up	90.32	
02 90 55 00-0454	GAL	Pigmented Soot Sealant For Emergency Clean-up	243.58	
02 90 55 00-0455	ROL	Shrinkwrap Plastic For Emergency Clean-up	56.07	
02 90 55 00-0456	EA	Dry Sponges For Emergency Clean-up	5.76	
02 90 55 00-0457	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.85	
02 90 55 00-0458	EA	Spray Bot./Trigger For Emergency Clean-up	5.03	
02 90 55 00-0459	GAL	Stain Remover For Emergency Clean-up	40.33	
02 90 55 00-0460	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.02	
02 90 55 00-0461	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.46	
02 90 55 00-0462	LB	Sweeping Compound For Emergency Clean-up	0.71	
02 90 55 00-0463	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.44	
02 90 55 00-0464	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.77	
02 90 55 00-0465	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	28.69	
02 90 55 00-0466	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.32	
02 90 55 00-0467	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.73	
02 90 55 00-0468	LB	Terry Towels For Emergency Clean-up	6.72	
02 90 55 00-0469	GAL	Thermal Fog For Emergency Clean-up	90.74	
02 90 55 00-0470	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	35.60	
02 90 55 00-0471	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	86.40	
02 90 55 00-0472	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	110.85	
02 90 55 00-0473	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	141.99	
02 90 55 00-0474	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	47.59	
02 90 55 00-0475	EA	Backpack Vacuum Bags For Emergency Clean-up	1.60	
02 90 55 00-0476	EA	Upright Vacuum Bags For Emergency Clean-up	2.14	
02 90 55 00-0477	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0478	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	46.12	
02 90 55 00-0479	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	125.24	
02 90 55 00-0480	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	170.89	
02 90 55 00-0481	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.84	
02 90 55 00-0482	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	140.66	
02 90 55 00-0483	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.00	
02 90 55 00-0484	EA	Zip Wall Zippers For Emergency Clean-up	21.35	
02 90 55 00-0485	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	34.77	
02 90 55 00-0486	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	52.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0487	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	54.96	
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	89.74	

02 90 55 00-0489 Technical/Electronics Restoration Materials *(02 90 55 00-0362)*

02 90 55 00-0490	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0491	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.56	
02 90 55 00-0492	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.30	
02 90 55 00-0493	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.11	
02 90 55 00-0494	EA	Brush - Parts For Emergency Clean-up	6.78	
02 90 55 00-0495	EA	Brush - Plastic For Emergency Clean-up	3.52	
02 90 55 00-0496	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0497	EA	Brushing Tool For Emergency Clean-up	18.23	
02 90 55 00-0498	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0499	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.39	
02 90 55 00-0500	EA	Contact Restorer, Per Can For Emergency Clean-up	29.65	
02 90 55 00-0501	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0502	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0503	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0505	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.34	
02 90 55 00-0506	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.29	
02 90 55 00-0507	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0508	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.37	
02 90 55 00-0509	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0510	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0511	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0512	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0513	GAL	PC Board Detergent For Emergency Clean-up	83.75	
02 90 55 00-0514	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	137.68	
02 90 55 00-0515	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0516	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0517	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.61	
02 90 55 00-0518	EA	Wire Marker Card For Emergency Clean-up	2.28	
02 90 55 00-0519	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	4.41
		For Up To 100, Add	*4.24*
		For >100 To 250, Add	*1.06*
		For >250 To 500, Add	*0.53*
		For >5,000 To 10,000, Deduct	*-0.11*
		For >10,000, Deduct	*-0.21*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	6.53
		For Up To 100, Add	*8.48*
		For >100 To 250, Add	*2.12*
		For >250 To 500, Add	*1.06*
		For >5,000 To 10,000, Deduct	*-0.21*
		For >10,000, Deduct	*-0.42*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	CF	Patch Decks Or Floors With Portland Cement Based Repair Material	170.53
03 01 30 71-0005	CF	Patch Decks Or Floors With Rapid Set Concrete Repair Material	237.57
03 01 30 71-0006	CF	Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate	223.26
03 01 30 71-0007	CF	Patch Decks Or Floors With SSI FlexPatch	481.26

03 01 30 71-0008 Verticals Or Overheads *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0009	CF	Patch Verticals Or Overheads With Portland Cement Based Repair Material	184.66
03 01 30 71-0010	CF	Patch Verticals Or Overheads With Rapid Setting Concrete Repair Material	251.70
03 01 30 71-0011	CF	Patch Verticals Or Overheads With Rapid Setting Polymer Concrete Methylmethacrylate	261.82
03 01 30 71-0012	CF	Patch Verticals Or Overheads With SSI FlexPatch	514.23
03 01 30 71-0013	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Elastomeric Patching Compound	11.08
03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	19.32

03 01 30 71-0015 Edge Repair *(03 01 30 71-0002)*

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0016	CF	Patch Edge, Portland Cement Based Repair Material	196.77
03 01 30 71-0017	CF	Patch Edge, Rapid Setting Concrete Repair Material	263.81
03 01 30 71-0018	CF	Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate	277.26
03 01 30 71-0019	CF	Patch Edge With SSI Flex Patch	538.06

03 01 30 71-0020 Crack Repair For Concrete *(03 01 30 71-0001)*

03 01 30 71-0021 Non-Structural Crack Repair For Concrete *(03 01 30 71-0020)*

03 01 30 71-0022 Surface Applied, Non-Structural Crack Repair For Concrete *(03 01 30 71-0021)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0023	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	9.05
		For V-Grooving Crack With Grinder, Add	*7.28*
03 01 30 71-0024	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	11.79
		For V-Grooving Crack With Grinder, Add	*7.11*
03 01 30 71-0025	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.19
		For V-Grooving Crack With Grinder, Add	*7.28*
03 01 30 71-0026	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	12.08
		For V-Grooving Crack With Grinder, Add	*7.11*
03 01 30 71-0027	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	9.72
		For V-Grooving Crack With Grinder, Add	*7.28*
03 01 30 71-0028	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	13.12
		For V-Grooving Crack With Grinder, Add	*7.11*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0029	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	10.10	
		For V-Grooving Crack With Grinder, Add	*7.28*	
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	13.88	
		For V-Grooving Crack With Grinder, Add	*7.11*	
03 01 30 71-0031		**Pressure Injected, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0021)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0032	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	37.18	
		For Cracks Accessible From Both Sides, Add	*7.55*	
03 01 30 71-0033		**Structural Crack Repair For Concrete** *(03 01 30 71-0020)*		
03 01 30 71-0034		**Surface Applied, Structural Crack Repair For Concrete** *(03 01 30 71-0033)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0035	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	10.19	
		For V-Grooving Crack With Grinder, Add	*7.28*	
03 01 30 71-0036	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	14.08	
		For V-Grooving Crack With Grinder, Add	*7.11*	
03 01 30 71-0037	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	9.99	
		For V-Grooving Crack With Grinder, Add	*7.28*	
03 01 30 71-0038	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	13.67	
		For V-Grooving Crack With Grinder, Add	*7.11*	
03 01 30 71-0039	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	11.69	
		For V-Grooving Crack With Grinder, Add	*7.28*	
03 01 30 71-0040	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	17.07	
		For V-Grooving Crack With Grinder, Add	*7.11*	
03 01 30 71-0041		**Pressure Injected, Structural Crack Repair For Concrete** *(03 01 30 71-0033)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0042	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	33.10	
		For Cracks Accessible From Both Sides, Add	*7.55*	
03 01 30 71-0043	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	32.89	
		For Cracks Accessible From Both Sides, Add	*7.55*	
03 01 30 71-0044		**Spall Concrete Repair** *(03 01 30 71-0001)*		
		Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.		
03 01 30 71-0045	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces	123.96	
		For Up To 100, Add	*88.75*	
		For >100 To 250, Add	*44.37*	
03 01 30 71-0046	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces	142.74	
		For Up To 100, Add	*98.61*	
		For >100 To 250, Add	*49.31*	
03 01 30 71-0047	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces	214.10	
		For Up To 100, Add	*147.91*	
		For >100 To 250, Add	*73.95*	
03 01 30 71-0048	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces	278.90	
		For Up To 100, Add	*192.28*	
		For >100 To 250, Add	*96.14*	
03 01 30 71-0049	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces	88.45	
		For Up To 100, Add	*62.12*	
		For >100 To 250, Add	*31.06*	
03 01 30 71-0050	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces	103.29	
		For Up To 100, Add	*69.02*	
		For >100 To 250, Add	*34.51*	
03 01 30 71-0051	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces	154.93	
		For Up To 100, Add	*103.53*	
		For >100 To 250, Add	*51.77*	
03 01 30 71-0052	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces	201.99	
		For Up To 100, Add	*134.60*	
		For >100 To 250, Add	*67.30*	
03 01 30 71-0053		**Concrete Rehabilitation** *(03 01 30 71)*		
03 01 30 71-0054		**Concrete Crack Repair** *(03 01 30 71-0053)*		
03 01 30 71-0055		**Decks Or Floors, Dormant Concrete Crack Repair** *(03 01 30 71-0054)*		
		Note: Includes removing loose materials and cleaning.		
03 01 30 71-0056	CF	Epoxy Injection, Decks Or Floors, Dormant Concrete Crack Repair	1,188.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0057	CF	Semi-Flexible Polymer, Decks Or Floors, Dormant Concrete Crack Repair	852.81	
03 01 30 71-0058		Decks Or Floors, Active Concrete Crack Repair *(03 01 30 71-0054)*		
		Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0059	CF	Epoxy Injection, Decks Or Floors, Active Concrete Crack Repair	1,293.30	
03 01 30 71-0060	CF	Semi-Flexible Polymer, Decks Or Floors, Active Concrete Crack Repair	957.65	
03 01 30 71-0061		Verticals And Overheads, Dormant Concrete Crack Repair *(03 01 30 71-0054)*		
		Note: Includes removing loose materials and cleaning.		
03 01 30 71-0062	CF	Epoxy Injection, Verticals And Overheads, Dormant Concrete Crack Repair	1,328.26	
03 01 30 71-0063	CF	Semi-Flexible Polymer, Verticals And Overheads, Dormant Concrete Crack Repair	992.61	
03 01 30 71-0064		Verticals And Overheads, Active Concrete Crack Repair *(03 01 30 71-0054)*		
		Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0065	CF	Epoxy Injection, Verticals And Overheads, Active Concrete Crack Repair	1,492.38	
03 01 30 71-0066	CF	Semi-Flexible Polymer, Verticals And Overheads, Active Concrete Crack Repair	1,156.73	
03 01 30 71-0067		Stitched Concrete Crack Repair *(03 01 30 71-0054)*		
		Note: Includes chipping, routing, drilling, removing loose materials, cleaning and rebar.		
03 01 30 71-0068	CF	Epoxy Injection, Stitched Concrete Crack Repair	1,637.05	
03 01 30 71-0069		Fiberglass Reinforced Polyester (FRP) Lining In Concrete Pit *(03 01 30 71-0053)*		
		Note: Sodium Hypochlorite storage pit.		
03 01 30 71-0070	DAY	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Inspection, Two Person Crew	1,300.00	
03 01 30 71-0071	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Repairs, Inner Surface And Interior Layer Repair Note: 50 SF minimum	110.93	
03 01 30 71-0072	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Replacement Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	134.92	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** ***(03 01 30)***		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.54	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	8.47	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.87	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	9.12	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	18.25	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	16.29	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	32.59	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	7.04	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	13.73	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.78	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	19.55	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.52	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	15.64	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.90	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	20.86	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	35.49	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	104.28	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	39.11	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	20.86	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	20.86	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	65.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork *(03 11 13)* Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002		Foundation Wood Formwork *(03 11 13 00-0001)* Note: For foundation work below or at grade.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	10.28	
		For <1,000, Add	*1.94*	
		For Foundations >8' Below Grade, Add	*1.88*	
		For Curved Formwork, Add	*3.76*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	12.27	
		For <1,000, Add	*2.33*	
		For Foundations >8' Below Grade, Add	*2.27*	
		For Curved Formwork, Add	*4.54*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	14.55	
		For <1,000, Add	*2.77*	
		For Foundations >8' Below Grade, Add	*2.70*	
		For Curved Formwork, Add	*5.39*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	12.07	
		For <1,000, Add	*2.27*	
		For Foundations >8' Below Grade, Add	*2.20*	
		For Curved Formwork, Add	*4.40*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	17.00	
		For <1,000, Add	*3.20*	
		For Foundations >8' Below Grade, Add	*3.11*	
		For Curved Formwork, Add	*6.21*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.99	
		For Foundations >8' Below Grade, Add	*1.51*	
		For Curved Formwork, Add	*3.01*	
		For Up To 250, Add	*1.54*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	11.38	
		For Foundations >8' Below Grade, Add	*2.09*	
		For Curved Formwork, Add	*4.19*	
		For Up To 250, Add	*2.15*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	14.95	
		For Foundations >8' Below Grade, Add	*2.73*	
		For Curved Formwork, Add	*5.46*	
		For <1,000, Add	*2.82*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	61.41
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	90.49
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	114.25
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	164.16
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	235.86
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	312.10

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	18.99	
		For Curved Formwork, Add	*7.01*	
		For <1,000, Add	*3.60*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	22.45	
		For Curved Formwork, Add	*8.31*	
		For <1,000, Add	*4.27*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	24.83	
		For Curved Formwork, Add	*9.14*	
		For <1,000, Add	*4.70*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	15.82	
		For Curved Formwork, Add	*5.84*	
		For <1,000, Add	*3.00*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	14.70	
		For <1,000, Add	*2.69*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	10.11	
		For <1,000, Add	*1.82*	
		For Foundations >8' Below Grade, Add	*1.72*	
		For Curved Formwork, Add	*3.44*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	11.16	
		For <1,000, Add	*2.03*	
		For Foundations >8' Below Grade, Add	*1.92*	
		For Curved Formwork, Add	*3.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	12.58	
		For <1,000, Add	*2.26*	
		For Foundations >8' Below Grade, Add	*2.13*	
		For Curved Formwork, Add	*4.25*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	10.62	
		For <1,000, Add	*1.90*	
		For Foundations >8' Below Grade, Add	*1.79*	
		For Curved Formwork, Add	*3.58*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	16.04	
		Note: Excludes footing.		
		For <1,000, Add	*2.93*	
		For Foundations >8' Below Grade, Add	*2.79*	
		For Curved Formwork, Add	*5.58*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	7.07	
		For Foundations >8' Below Grade, Add	*1.37*	
		For Curved Formwork, Add	*2.74*	
		For <250, Add	*1.39*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.87	
		For Foundations >8' Below Grade, Add	*1.71*	
		For Curved Formwork, Add	*3.41*	
		For <250, Add	*1.73*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	9.83	
		For Foundations >8' Below Grade, Add	*1.89*	
		For Curved Formwork, Add	*3.77*	
		For <1,000, Add	*1.91*	
03 11 13 00-0038		**Column Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0039		**Square Columns** *(03 11 13 00-0038)*		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	63.37	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	76.77	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	90.19	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	107.67	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	129.80	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	156.04	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	200.35	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	247.38	
03 11 13 00-0048		**Round Columns** *(03 11 13 00-0038)*		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	67.95	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	75.12	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	85.72	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	99.06	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	116.37	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	132.85	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	174.35	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	232.82	
03 11 13 00-0057		**Above Grade Wall Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	10.11	
		For Curved Formwork, Add	*3.21*	
		For <1,000, Add	*1.74*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	12.40	
		For Curved Formwork, Add	*3.87*	
		For <1,000, Add	*2.12*	
03 11 13 00-0060		**Elevated Beam Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.86	
		For Curved Formwork, Add	*2.98*	
		For <1,000, Add	*1.65*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.58	
		For Curved Formwork, Add	*2.36*	
		For <1,000, Add	*1.29*	
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	12.92	
		For <1,000, Add	*1.96*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	24.68	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*2.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	26.05	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*2.61*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	28.91	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*2.89*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	35.56	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*3.56*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	39.84	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*3.98*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	43.25	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*4.33*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	46.47	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*4.65*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	52.59	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*5.26*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	55.06	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*5.51*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	57.83	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*5.78*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	60.12	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*6.01*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	62.41	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*6.24*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	64.72	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*6.47*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	74.41	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*7.44*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	114.96	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*11.50*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	139.28	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*13.93*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	247.81	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*24.78*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	275.64	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*27.56*	

03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.80

03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.96
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.42
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.95

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	14.04

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.73
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.13
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.32
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	27.40
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	35.25
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	75.54

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

03 11 16 13-0002	SF	Concrete Form Liner, Various Patterns And Textures, Add To Formwork	7.05

03 11 23 Permanent Stair Forming *(03 11)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 23 00-0001		Stairway Wood Formwork *(03 11 23)*		
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	24.04	
		For Curved Formwork, Add	*9.31*	
		For <1,000, Add	*4.71*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	48.02	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*18.13*	
		For <1,000, Add	*9.24*	
03 11 23 00-0004		Stairway Metal Framed Formwork *(03 11 23)*		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	20.52	
		For Curved Formwork, Add	*7.64*	
		For <1,000, Add	*3.92*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	37.65	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*14.15*	
		For <1,000, Add	*7.23*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001		Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*		
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.81	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	12.08	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	14.33	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.63	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	22.59	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.41	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.43	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.51	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	19.73	
03 15 13 13-0011		Rubber Waterstops *(03 15 13 13)*		
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	11.91	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	13.52	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	12.06	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.07	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	13.78	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	17.25	
03 15 13 13-0018		Closed Cell Foam Waterstops *(03 15 13 13)*		
03 15 13 13-0019	LF	Waterstop; Closed-Cell, Foamed, Cross-Linked Ethylene Vinyl Acetate, Gray, Epoxy Bonding Agent	27.86	

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001		Bentonite Waterstops *(03 15 13 16)*		
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.41	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	14.17	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	15.86	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	17.81	

03 15 16 Concrete Construction Joints *(03 15)*

03 15 16 00-0001		Poured Expansion Joint *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	4.14	1.26
		For Installation In Walls, Add	*2.11*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	8.54	1.26
		For Installation In Walls, Add	*2.37*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.42	1.26
		For Installation In Walls, Add	*2.11*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	9.63	1.26
		For Installation In Walls, Add	*2.37*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	6.15	1.26
		For Installation In Walls, Add	*2.37*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	11.08	1.26
		For Installation In Walls, Add	*3.85*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	4.53	1.26
		For Installation In Walls, Add	*2.11*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	5.42	1.26
		For Installation In Walls, Add	*2.11*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	13.14	1.26
		For Installation In Walls, Add	*2.37*	
03 15 16 00-0011		Premolded Expansion Joints *(03 15 16)*		
03 15 16 00-0012		Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.02	1.41
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.42	1.48
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.67	1.55
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.94	1.62
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.26	1.41
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.60	1.48
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	4.02	1.55
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.60	1.62
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.97	1.34
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.22	1.41
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.51	1.48
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.76	1.55
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.06	1.62
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.49	1.69
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.81	1.76
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.36	1.83
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.53	1.48
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	4.00	1.55
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.84	1.69
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.20	2.33

03 15 16 00-0033 Cork, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.87	1.48
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	5.46	1.62
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.92	1.69
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	8.11	1.76
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.62	1.83
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.62	2.33
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	11.04	2.33
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.69	2.33

03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.26	1.48
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.40	1.55
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.58	1.62
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.11	1.69
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.34	1.48
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.49	1.55
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.64	1.62
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.98	1.69

03 15 16 00-0051 Zip Strip, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.29	1.48
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.57	1.55
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.97	1.69

03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.22	1.41
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.27	1.41

03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker *(03 15 16)*

03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.58	1.06
		>1,250, Deduct	*-0.08*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.49	1.06
		>1,250, Deduct	*-0.07*	

03 15 16 00-0061 Keyed Cold Expansion And Control Joints *(03 15 16)*

03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*

03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.91	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	8.04	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	8.33	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.80	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.79	

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.16	
		For Galvanized, Add	*3.07*	
		For Stainless Steel, Add	*21.46*	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.45	
		For Galvanized, Add	*3.91*	
		For Stainless Steel, Add	*27.34*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.06*	
		For >100, Deduct	*-2.12*	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.12	
		For Galvanized, Add	*5.38*	
		For Stainless Steel, Add	*37.66*	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.41*	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.42	
		For Galvanized, Add	*7.03*	
		For Stainless Steel, Add	*49.21*	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.58*	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.98	
		For Galvanized, Add	*9.39*	
		For Stainless Steel, Add	*65.70*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.68	
		For Galvanized, Add	*10.73*	
		For Stainless Steel, Add	*75.08*	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.53	
		For Galvanized, Add	*10.65*	
		For Stainless Steel, Add	*74.55*	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.30	
		For Galvanized, Add	*12.41*	
		For Stainless Steel, Add	*86.87*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.82	
		For Galvanized, Add	*15.90*	
		For Stainless Steel, Add	*111.27*	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.40*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.80	
		For Galvanized, Add	*20.04*	
		For Stainless Steel, Add	*140.25*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.15*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	43.14	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.26*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.90	
		For Galvanized, Add	*17.43*	
		For Stainless Steel, Add	*122.01*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	65.17	
		For Galvanized, Add	*23.23*	
		For Stainless Steel, Add	*162.61*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-3.03*	
		For >100, Deduct	*-6.07*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.69	
		For Galvanized, Add	*18.83*	
		For Stainless Steel, Add	*131.78*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.02	
		For Galvanized, Add	*22.66*	
		For Stainless Steel, Add	*158.59*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.01*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	79.27	
		For Galvanized, Add	*28.41*	
		For Stainless Steel, Add	*198.84*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.33*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	97.48	
		For Galvanized, Add	*34.71*	
		For Stainless Steel, Add	*242.94*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-4.54*	
		For >100, Deduct	*-9.08*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.69	
		For Galvanized, Add	*23.54*	
		For Stainless Steel, Add	*164.78*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.88*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.19	
		For Galvanized, Add	*28.33*	
		For Stainless Steel, Add	*198.28*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.94*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.68	
		For Galvanized, Add	*35.51*	
		For Stainless Steel, Add	*248.57*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.48*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	117.58	
		For Galvanized, Add	*43.38*	
		For Stainless Steel, Add	*303.66*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.25*	
		For >100, Deduct	*-10.50*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.35	
		For Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*205.94*	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-3.42*	
		For >100, Deduct	*-6.84*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	93.59	
		For Galvanized, Add	*35.42*	
		For Stainless Steel, Add	*247.91*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.05*	
		For >100, Deduct	*-8.09*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	116.10	
		For Galvanized, Add	*44.40*	
		For Stainless Steel, Add	*310.77*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-4.95*	
		For >100, Deduct	*-9.90*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	142.57	
		For Galvanized, Add	*54.22*	
		For Stainless Steel, Add	*379.54*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-6.12*	
		For >100, Deduct	*-12.25*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.43	
		For Galvanized, Add	*36.78*	
		For Stainless Steel, Add	*257.43*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-4.03*	
		For >100, Deduct	*-8.05*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	114.04	
		For Galvanized, Add	*44.26*	
		For Stainless Steel, Add	*309.82*	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-4.77*	
		For >100, Deduct	*-9.53*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	141.64	
		For Galvanized, Add	*55.51*	
		For Stainless Steel, Add	*388.54*	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-5.84*	
		For >100, Deduct	*-11.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	173.83	
		For Galvanized, Add	*67.78*	
		For Stainless Steel, Add	*474.46*	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-7.22*	
		For >100, Deduct	*-14.43*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.76	
		For Galvanized, Add	*8.14*	
		For Stainless Steel, Add	*56.98*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.14	
		For Galvanized, Add	*10.06*	
		For Stainless Steel, Add	*70.39*	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.81*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.10	
		For Galvanized, Add	*11.53*	
		For Stainless Steel, Add	*80.71*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.65	
		For Galvanized, Add	*11.97*	
		For Stainless Steel, Add	*83.79*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.94*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.59	
		For Galvanized, Add	*12.57*	
		For Stainless Steel, Add	*87.96*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.75*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.22	
		For Galvanized, Add	*10.10*	
		For Stainless Steel, Add	*70.67*	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.82*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.56	
		For Galvanized, Add	*11.76*	
		For Stainless Steel, Add	*82.32*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.38*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.68	
		For Galvanized, Add	*13.49*	
		For Stainless Steel, Add	*94.40*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.09*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.46	
		For Galvanized, Add	*14.00*	
		For Stainless Steel, Add	*98.00*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.89*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.49	
		For Galvanized, Add	*14.71*	
		For Stainless Steel, Add	*102.97*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.54*	
		For >100, Deduct	*-7.09*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.93	
		For Galvanized, Add	*12.95*	
		For Stainless Steel, Add	*90.62*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.50*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.82	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.02	
		For Galvanized, Add	*16.28*	
		For Stainless Steel, Add	*113.96*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.12*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	58.50	
		For Galvanized, Add	*17.05*	
		For Stainless Steel, Add	*119.32*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.29*	
		For >100, Deduct	*-6.59*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.77	
		For Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*124.95*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.40*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	72.56	
		For Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*144.80*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-4.15*	
		For >100, Deduct	*-8.31*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	85.86	
		For Galvanized, Add	*24.21*	
		For Stainless Steel, Add	*169.47*	
		For >10 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-4.95*	
		For >100, Deduct	*-9.91*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.76	
		For Galvanized, Add	*17.03*	
		For Stainless Steel, Add	*119.18*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-5.44*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.57	
		For Galvanized, Add	*19.06*	
		For Stainless Steel, Add	*133.39*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.40*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.29	
		For Galvanized, Add	*19.94*	
		For Stainless Steel, Add	*139.58*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.44*	
		For >100, Deduct	*-6.88*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.64	
		For Galvanized, Add	*20.59*	
		For Stainless Steel, Add	*144.13*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-3.28*	
		For >100, Deduct	*-6.55*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	76.26	
		For Galvanized, Add	*24.10*	
		For Stainless Steel, Add	*168.67*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-4.01*	
		For >100, Deduct	*-8.02*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.13	
		For Galvanized, Add	*27.29*	
		For Stainless Steel, Add	*191.03*	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-4.32*	
		For >100, Deduct	*-8.64*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	92.82	
		For Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*215.71*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-4.66*	
		For >100, Deduct	*-9.32*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	102.13	
		For Galvanized, Add	*33.52*	
		For Stainless Steel, Add	*234.61*	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-5.19*	
		For >100, Deduct	*-10.37*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	111.89	
		For Galvanized, Add	*35.89*	
		For Stainless Steel, Add	*251.23*	
		For >10 To 50, Deduct	*-2.01*	
		For >50 To 100, Deduct	*-5.81*	
		For >100, Deduct	*-11.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.63	
		For Galvanized, Add	*38.42*	
		For Stainless Steel, Add	*268.94*	
		For >10 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-6.60*	
		For >100, Deduct	*-13.20*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	141.11	
		For Galvanized, Add	*42.48*	
		For Stainless Steel, Add	*297.36*	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-7.74*	
		For >100, Deduct	*-15.48*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.94	
		For Galvanized, Add	*25.74*	
		For Stainless Steel, Add	*180.18*	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.07*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.32	
		For Galvanized, Add	*30.13*	
		For Stainless Steel, Add	*210.88*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-4.31*	
		For >100, Deduct	*-8.63*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.77	
		For Galvanized, Add	*34.11*	
		For Stainless Steel, Add	*238.77*	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-4.66*	
		For >100, Deduct	*-9.32*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	108.22	
		For Galvanized, Add	*38.52*	
		For Stainless Steel, Add	*269.61*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.04*	
		For >100, Deduct	*-10.09*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.91	
		For Galvanized, Add	*41.91*	
		For Stainless Steel, Add	*293.34*	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-5.61*	
		For >100, Deduct	*-11.21*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.86	
		For Galvanized, Add	*44.88*	
		For Stainless Steel, Add	*314.13*	
		For >10 To 50, Deduct	*-2.01*	
		For >50 To 100, Deduct	*-6.25*	
		For >100, Deduct	*-12.51*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.63	
		For Galvanized, Add	*48.42*	
		For Stainless Steel, Add	*338.94*	
		For >10 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-7.10*	
		For >100, Deduct	*-14.20*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.37	
		For Galvanized, Add	*53.11*	
		For Stainless Steel, Add	*371.77*	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-8.27*	
		For >100, Deduct	*-16.54*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	96.88	
		For Galvanized, Add	*35.68*	
		For Stainless Steel, Add	*249.76*	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-4.34*	
		For >100, Deduct	*-8.67*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	104.40	
		For Galvanized, Add	*37.43*	
		For Stainless Steel, Add	*261.98*	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-4.83*	
		For >100, Deduct	*-9.65*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.39	
		For Galvanized, Add	*41.18*	
		For Stainless Steel, Add	*288.26*	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-5.36*	
		For >100, Deduct	*-10.72*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	125.08	
		For Galvanized, Add	*44.99*	
		For Stainless Steel, Add	*314.93*	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-5.76*	
		For >100, Deduct	*-11.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.04	
		For Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*341.60*	
		For >10 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-6.18*	
		For >100, Deduct	*-12.37*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	148.15	
		For Galvanized, Add	*52.48*	
		For Stainless Steel, Add	*367.36*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-6.94*	
		For >100, Deduct	*-13.89*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	164.59	
		For Galvanized, Add	*56.77*	
		For Stainless Steel, Add	*397.39*	
		For >10 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-7.94*	
		For >100, Deduct	*-15.89*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	188.30	
		For Galvanized, Add	*62.96*	
		For Stainless Steel, Add	*440.69*	
		For >10 To 50, Deduct	*-3.12*	
		For >50 To 100, Deduct	*-9.39*	
		For >100, Deduct	*-18.77*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.44	
		For Galvanized, Add	*53.69*	
		For Stainless Steel, Add	*375.80*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-5.49*	
		For >100, Deduct	*-10.98*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	140.90	
		For Galvanized, Add	*54.86*	
		For Stainless Steel, Add	*383.99*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.86*	
		For >100, Deduct	*-11.72*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	144.50	
		For Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*390.15*	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-6.09*	
		For >100, Deduct	*-12.18*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	163.84	
		For Galvanized, Add	*64.37*	
		For Stainless Steel, Add	*450.59*	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-6.73*	
		For >100, Deduct	*-13.46*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	188.73	
		For Galvanized, Add	*74.31*	
		For Stainless Steel, Add	*520.17*	
		For >10 To 50, Deduct	*-2.01*	
		For >50 To 100, Deduct	*-7.73*	
		For >100, Deduct	*-15.45*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	197.37	
		For Galvanized, Add	*75.29*	
		For Stainless Steel, Add	*527.03*	
		For >10 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-8.44*	
		For >100, Deduct	*-16.89*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	218.75	
		For Galvanized, Add	*81.30*	
		For Stainless Steel, Add	*569.10*	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-9.68*	
		For >100, Deduct	*-19.36*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	245.31	
		For Galvanized, Add	*87.57*	
		For Stainless Steel, Add	*612.96*	
		For >10 To 50, Deduct	*-3.51*	
		For >50 To 100, Deduct	*-11.40*	
		For >100, Deduct	*-22.79*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	196.48	
		For Galvanized, Add	*81.73*	
		For Stainless Steel, Add	*572.08*	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-7.39*	
		For >100, Deduct	*-14.78*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	214.14	
		For Galvanized, Add	*88.35*	
		For Stainless Steel, Add	*618.45*	
		For >10 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-8.16*	
		For >100, Deduct	*-16.32*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	235.79	
		For Galvanized, Add	*96.30*	
		For Stainless Steel, Add	*674.10*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-9.13*	
		For >100, Deduct	*-18.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	255.02	
		For Galvanized, Add	*101.99*	
		For Stainless Steel, Add	*713.90*	
		For >10 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-10.20*	
		For >100, Deduct	*-20.41*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	275.33	
		For Galvanized, Add	*109.59*	
		For Stainless Steel, Add	*767.13*	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-11.09*	
		For >100, Deduct	*-22.19*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	296.43	
		For Galvanized, Add	*117.02*	
		For Stainless Steel, Add	*819.14*	
		For >10 To 50, Deduct	*-3.12*	
		For >50 To 100, Deduct	*-12.09*	
		For >100, Deduct	*-24.18*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	331.58	
		For Galvanized, Add	*125.68*	
		For Stainless Steel, Add	*879.76*	
		For >10 To 50, Deduct	*-4.01*	
		For >50 To 100, Deduct	*-14.31*	
		For >100, Deduct	*-28.61*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	356.55	
		For Galvanized, Add	*138.17*	
		For Stainless Steel, Add	*967.16*	
		For >10 To 50, Deduct	*-4.01*	
		For >50 To 100, Deduct	*-14.93*	
		For >100, Deduct	*-29.86*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	400.75	
		For Galvanized, Add	*153.59*	
		For Stainless Steel, Add	*1,075.10*	
		For >10 To 50, Deduct	*-4.68*	
		For >50 To 100, Deduct	*-17.04*	
		For >100, Deduct	*-34.07*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	396.16	
		For Galvanized, Add	*181.57*	
		For Stainless Steel, Add	*1,270.96*	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-12.38*	
		For >100, Deduct	*-24.76*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	417.00	
		For Galvanized, Add	*189.78*	
		For Stainless Steel, Add	*1,328.46*	
		For >10 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-13.23*	
		For >100, Deduct	*-26.47*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	454.82	
		For Galvanized, Add	*205.82*	
		For Stainless Steel, Add	*1,440.71*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-14.61*	
		For >100, Deduct	*-29.22*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	484.85	
		For Galvanized, Add	*216.90*	
		For Stainless Steel, Add	*1,518.30*	
		For >10 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-15.95*	
		For >100, Deduct	*-31.90*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	513.21	
		For Galvanized, Add	*228.53*	
		For Stainless Steel, Add	*1,599.71*	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-17.04*	
		For >100, Deduct	*-34.08*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	545.49	
		For Galvanized, Add	*241.55*	
		For Stainless Steel, Add	*1,690.85*	
		For >10 To 50, Deduct	*-3.12*	
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-36.63*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	589.98	
		For Galvanized, Add	*254.88*	
		For Stainless Steel, Add	*1,784.16*	
		For >10 To 50, Deduct	*-4.01*	
		For >50 To 100, Deduct	*-20.77*	
		For >100, Deduct	*-41.53*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	446.19	
		For Galvanized, Add	*205.55*	
		For Stainless Steel, Add	*1,438.82*	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-27.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	479.85	
		For Galvanized, Add	*219.87*	
		For Stainless Steel, Add	*1,539.09*	
		For >10 To 50, Deduct	*-2.01*	
		For >50 To 100, Deduct	*-15.00*	
		For >100, Deduct	*-30.01*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	515.45	
		For Galvanized, Add	*234.33*	
		For Stainless Steel, Add	*1,640.31*	
		For >10 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-16.40*	
		For >100, Deduct	*-32.79*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	550.86	
		For Galvanized, Add	*247.36*	
		For Stainless Steel, Add	*1,731.49*	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-17.98*	
		For >100, Deduct	*-35.97*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	585.56	
		For Galvanized, Add	*261.59*	
		For Stainless Steel, Add	*1,831.10*	
		For >10 To 50, Deduct	*-3.12*	
		For >50 To 100, Deduct	*-19.32*	
		For >100, Deduct	*-38.64*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	633.76	
		For Galvanized, Add	*281.79*	
		For Stainless Steel, Add	*1,972.53*	
		For >10 To 50, Deduct	*-3.51*	
		For >50 To 100, Deduct	*-21.11*	
		For >100, Deduct	*-42.22*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	688.15	
		For Galvanized, Add	*297.29*	
		For Stainless Steel, Add	*2,081.00*	
		For >10 To 50, Deduct	*-4.68*	
		For >50 To 100, Deduct	*-24.22*	
		For >100, Deduct	*-48.44*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Ls./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.10	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.53*	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.12	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.79	
		For Up To 100, Add	*1.79*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.55*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.15	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.87	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.93	
		For Up To 100, Add	*2.62*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.07	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.27	
		For Up To 100, Add	*3.43*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.94*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.67	
		For Up To 100, Add	*4.26*	
		For >100 To 200, Add	*2.51*	
		For >200 To 400, Add	*1.16*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	9.32	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.36*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.01	
		For Up To 100, Add	*5.15*	
		For >100 To 200, Add	*2.82*	
		For >200 To 300, Add	*1.41*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	15.15	
		For Up To 100, Add	*7.21*	
		For >100 To 200, Add	*3.92*	
		For >200 To 300, Add	*1.96*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	25.69	
		For Up To 100, Add	*12.44*	
		For >100 To 200, Add	*6.72*	
		For >200 To 300, Add	*3.36*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.05	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.23	
		For Up To 100, Add	*2.84*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.47	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.93	
		For Up To 100, Add	*4.46*	
		For >100 To 200, Add	*2.61*	
		For >200 To 400, Add	*1.21*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.65	
		For Up To 100, Add	*4.49*	
		For >100 To 200, Add	*2.46*	
		For >200 To 300, Add	*1.23*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	11.42	
		For Up To 100, Add	*5.40*	
		For >100 To 200, Add	*2.94*	
		For >200 To 300, Add	*1.47*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	15.74	
		For Up To 100, Add	*7.56*	
		For >100 To 200, Add	*4.09*	
		For >200 To 300, Add	*2.05*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	26.74	
		For Up To 100, Add	*13.07*	
		For >100 To 200, Add	*7.03*	
		For >200 To 300, Add	*3.52*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.93	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.02	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.19	
		For Up To 100, Add	*2.81*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*3.55*	
		For >100 To 200, Add	*2.09*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.87	
		For Up To 100, Add	*4.41*	
		For >100 To 200, Add	*2.59*	
		For >200 To 400, Add	*1.20*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.57	
		For Up To 100, Add	*4.44*	
		For >100 To 200, Add	*2.44*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	11.32	
		For Up To 100, Add	*5.34*	
		For >100 To 200, Add	*2.91*	
		For >200 To 300, Add	*1.46*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	15.59	
		For Up To 100, Add	*7.47*	
		For >100 To 200, Add	*4.05*	
		For >200 To 300, Add	*2.02*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	26.47	
		For Up To 100, Add	*12.91*	
		For >100 To 200, Add	*6.95*	
		For >200 To 300, Add	*3.47*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	1.15	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.90	
		For Up To 100, Add	*1.80*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	2.00	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.96	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	4.04	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	2.05	
		For Up To 100, Add	*1.28*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	3.04	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	4.15	
		For Up To 100, Add	*2.70*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	5.34	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	6.58	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	8.03	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.60*	
		For >200 To 400, Add	*1.20*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	9.73	
		For Up To 100, Add	*4.42*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	11.48	
		For Up To 100, Add	*5.29*	
		For >100 To 200, Add	*2.91*	
		For >200 To 300, Add	*1.46*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	15.79	
		For Up To 100, Add	*7.40*	
		For >100 To 200, Add	*4.05*	
		For >200 To 300, Add	*2.02*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	26.67	
		For Up To 100, Add	*12.73*	
		For >100 To 200, Add	*6.91*	
		For >200 To 300, Add	*3.46*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	4.27	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	6.78	
		For Up To 100, Add	*3.69*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	8.29	
		For Up To 100, Add	*4.58*	
		For >100 To 200, Add	*2.70*	
		For >200 To 400, Add	*1.25*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	10.06	
		For Up To 100, Add	*4.61*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	11.89	
		For Up To 100, Add	*5.54*	
		For >100 To 200, Add	*3.04*	
		For >200 To 300, Add	*1.52*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	16.38	
		For Up To 100, Add	*7.75*	
		For >100 To 200, Add	*4.22*	
		For >200 To 300, Add	*2.11*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	27.72	
		For Up To 100, Add	*13.36*	
		For >100 To 200, Add	*7.23*	
		For >200 To 300, Add	*3.61*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.22	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.09	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.24	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.46	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.74*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.73	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*2.17*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	8.23	
		For Up To 100, Add	*4.54*	
		For >100 To 200, Add	*2.68*	
		For >200 To 400, Add	*1.24*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.98	
		For Up To 100, Add	*4.57*	
		For >100 To 200, Add	*2.52*	
		For >200 To 300, Add	*1.26*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	11.79	
		For Up To 100, Add	*5.48*	
		For >100 To 200, Add	*3.01*	
		For >200 To 300, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	16.23	
		For Up To 100, Add	*7.66*	
		For >100 To 200, Add	*4.18*	
		For >200 To 300, Add	*2.09*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	27.45	
		For Up To 100, Add	*13.20*	
		For >100 To 200, Add	*7.15*	
		For >200 To 300, Add	*3.57*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	2.50	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	3.41	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.65*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.70	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.37*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.75	
		For Up To 100, Add	*1.16*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	3.60	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.53*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*2.58*	
		For >100 To 200, Add	*1.52*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	5.80	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.89*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	7.09	
		For Up To 100, Add	*4.06*	
		For >100 To 200, Add	*2.36*	
		For >200 To 400, Add	*1.10*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	8.65	
		For Up To 100, Add	*5.02*	
		For >100 To 200, Add	*2.91*	
		For >200 To 400, Add	*1.36*	
		For Up To 100, Add	*4.09*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.11*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	10.29	
		For Up To 100, Add	*6.07*	
		For >100 To 200, Add	*3.50*	
		For >200 To 400, Add	*1.65*	
		For Up To 100, Add	*4.94*	
		For >100 To 200, Add	*2.67*	
		For >200 To 300, Add	*1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	14.21	
		For Up To 100, Add	*8.52*	
		For >100 To 200, Add	*4.88*	
		For >200 To 400, Add	*2.31*	
		For Up To 100, Add	*6.92*	
		For >100 To 200, Add	*3.73*	
		For >200 To 300, Add	*1.86*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	24.19	
		For Up To 100, Add	*14.77*	
		For >100 To 200, Add	*8.41*	
		For >200 To 400, Add	*4.00*	
		For Up To 100, Add	*11.99*	
		For >100 To 200, Add	*6.42*	
		For >200 To 300, Add	*3.21*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	3.72	
		For Up To 100, Add	*2.60*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.21*	
		For >200 To 400, Add	*0.56*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	4.83	
		For Up To 100, Add	*2.70*	
		For >100 To 200, Add	*1.59*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	6.00	
		For Up To 100, Add	*3.42*	
		For >100 To 200, Add	*2.00*	
		For >200 To 400, Add	*0.93*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	7.35	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.47*	
		For >200 To 400, Add	*1.16*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	8.98	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.33*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	10.70	
		For Up To 100, Add	*5.18*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	14.80	
		For Up To 100, Add	*7.28*	
		For >100 To 200, Add	*3.91*	
		For >200 To 300, Add	*1.95*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	25.24	
		For Up To 100, Add	*12.62*	
		For >100 To 200, Add	*6.73*	
		For >200 To 300, Add	*3.37*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.69	
		For Up To 100, Add	*2.57*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.79	
		For Up To 100, Add	*2.67*	
		For >100 To 200, Add	*1.57*	
		For >200 To 400, Add	*0.73*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.95	
		For Up To 100, Add	*3.38*	
		For >100 To 200, Add	*1.98*	
		For >200 To 400, Add	*0.92*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.29	
		For Up To 100, Add	*4.21*	
		For >100 To 200, Add	*2.44*	
		For >200 To 400, Add	*1.14*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	8.90	
		For Up To 100, Add	*4.24*	
		For >100 To 200, Add	*2.30*	
		For >200 To 300, Add	*1.15*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.60	
		For Up To 100, Add	*5.12*	
		For >100 To 200, Add	*2.77*	
		For >200 To 300, Add	*1.38*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	14.65	
		For Up To 100, Add	*7.19*	
		For >100 To 200, Add	*3.86*	
		For >200 To 300, Add	*1.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	24.97	
		For Up To 100, Add	*12.46*	
		For >100 To 200, Add	*6.65*	
		For >200 To 300, Add	*3.32*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.62	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.61*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	3.30	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.65	
		For Up To 100, Add	*1.09*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.67*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.00	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.70	
		For Up To 100, Add	*1.14*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.55	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.44*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.52*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.54	
		For Up To 100, Add	*2.54*	
		For >100 To 200, Add	*1.49*	
		For >200 To 400, Add	*0.69*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.64	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.91	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.32*	
		For >200 To 400, Add	*1.09*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.43	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.19*	
		For >200 To 300, Add	*1.09*	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.05	
		For Up To 100, Add	*4.86*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.31*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	13.89	
		For Up To 100, Add	*6.83*	
		For >100 To 200, Add	*3.67*	
		For >200 To 300, Add	*1.83*	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	23.70	
		For Up To 100, Add	*11.84*	
		For >100 To 200, Add	*6.32*	
		For >200 To 300, Add	*3.16*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.61	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.37*	
		For >200 To 500, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.70	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.55*	
		For >200 To 400, Add	*0.72*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.84	
		For Up To 100, Add	*3.36*	
		For >100 To 200, Add	*1.96*	
		For >200 To 400, Add	*0.91*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.17	
		For Up To 100, Add	*4.19*	
		For >100 To 200, Add	*2.42*	
		For >200 To 400, Add	*1.14*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.76	
		For Up To 100, Add	*4.22*	
		For >100 To 200, Add	*2.28*	
		For >200 To 300, Add	*1.14*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.46	
		For Up To 100, Add	*5.11*	
		For >100 To 200, Add	*2.75*	
		For >200 To 300, Add	*1.37*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	14.48	
		For Up To 100, Add	*7.18*	
		For >100 To 200, Add	*3.84*	
		For >200 To 300, Add	*1.92*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	24.75	
		For Up To 100, Add	*12.47*	
		For >100 To 200, Add	*6.63*	
		For >200 To 300, Add	*3.32*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.58	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.66	
		For Up To 100, Add	*2.63*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.72*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.94*	
		For >200 To 400, Add	*0.90*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.11	
		For Up To 100, Add	*4.14*	
		For >100 To 200, Add	*2.40*	
		For >200 To 400, Add	*1.13*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.68	
		For Up To 100, Add	*4.18*	
		For >100 To 200, Add	*2.26*	
		For >200 To 300, Add	*1.13*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	10.36	
		For Up To 100, Add	*5.05*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	14.33	
		For Up To 100, Add	*7.09*	
		For >100 To 200, Add	*3.80*	
		For >200 To 300, Add	*1.90*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	24.48	
		For Up To 100, Add	*12.31*	
		For >100 To 200, Add	*6.55*	
		For >200 To 300, Add	*3.28*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.23	
		For Up To 100, Add	*1.53*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	3.09	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.29	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.09*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.67*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.27	
		For Up To 100, Add	*2.44*	
		For >100 To 200, Add	*1.42*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.31	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.55	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.23*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.02	
		For Up To 100, Add	*3.90*	
		For >100 To 200, Add	*2.10*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.55	
		For Up To 100, Add	*4.71*	
		For >100 To 200, Add	*2.53*	
		For >200 To 300, Add	*1.26*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	13.27	
		For Up To 100, Add	*6.64*	
		For >100 To 200, Add	*3.54*	
		For >200 To 300, Add	*1.77*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	22.72	
		For Up To 100, Add	*11.55*	
		For >100 To 200, Add	*6.12*	
		For >200 To 300, Add	*3.06*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.40	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.53*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.43	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.49*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.51	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.81	
		For Up To 100, Add	*4.06*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.10*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.35	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.20*	
		For >200 To 300, Add	*1.10*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	9.96	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	13.86	
		For Up To 100, Add	*7.00*	
		For >100 To 200, Add	*3.72*	
		For >200 To 300, Add	*1.86*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	23.77	
		For Up To 100, Add	*12.18*	
		For >100 To 200, Add	*6.44*	
		For >200 To 300, Add	*3.22*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.13*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.43	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.37	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.39	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.47*	
		For >200 To 400, Add	*0.69*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.46	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.75	
		For Up To 100, Add	*4.02*	
		For >100 To 200, Add	*2.31*	
		For >200 To 400, Add	*1.09*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.27	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.18*	
		For >200 To 300, Add	*1.09*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	9.86	
		For Up To 100, Add	*4.90*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	13.71	
		For Up To 100, Add	*6.91*	
		For >100 To 200, Add	*3.67*	
		For >200 To 300, Add	*1.84*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	23.50	
		For Up To 100, Add	*12.02*	
		For >100 To 200, Add	*6.36*	
		For >200 To 300, Add	*3.18*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.84	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.43	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	2.14	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.98	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.46	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	2.20	
		For Up To 100, Add	*1.56*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	3.06	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	4.12	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	5.16	
		For Up To 100, Add	*3.05*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	6.37	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	7.80	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	9.31	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.48*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	12.96	
		For Up To 100, Add	*6.55*	
		For >100 To 200, Add	*3.48*	
		For >200 To 300, Add	*1.74*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	22.23	
		For Up To 100, Add	*11.40*	
		For >100 To 200, Add	*6.02*	
		For >200 To 300, Add	*3.01*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	3.29	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.52*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	6.63	
		For Up To 100, Add	*4.00*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.08*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	8.13	
		For Up To 100, Add	*4.04*	
		For >100 To 200, Add	*2.16*	
		For >200 To 300, Add	*1.08*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	9.72	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.60*	
		For >200 To 300, Add	*1.30*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	13.55	
		For Up To 100, Add	*6.90*	
		For >100 To 200, Add	*3.66*	
		For >200 To 300, Add	*1.83*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	23.28	
		For Up To 100, Add	*12.03*	
		For >100 To 200, Add	*6.34*	
		For >200 To 300, Add	*3.17*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.34	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.24	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.31	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.57	
		For Up To 100, Add	*3.96*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.07*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.05	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.13*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*4.83*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.29*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	13.40	
		For Up To 100, Add	*6.81*	
		For >100 To 200, Add	*3.61*	
		For >200 To 300, Add	*1.81*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	23.01	
		For Up To 100, Add	*11.87*	
		For >100 To 200, Add	*6.26*	
		For >200 To 300, Add	*3.13*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	347.15

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	191.55

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.71
		For Up To 12" Length, Deduct	*-0.50*
		For >12" To <24" Length, Deduct	*-0.25*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	4.45
		For Up To 12" Length, Deduct	*-0.65*
		For >12" To <24" Length, Deduct	*-0.33*
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	5.54
		For Up To 12" Length, Deduct	*-1.03*
		For >12" To <24" Length, Deduct	*-0.51*
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.84
		For Up To 12" Length, Deduct	*-1.48*
		For >12" To <24" Length, Deduct	*-0.74*
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	8.20
		For Up To 12" Length, Deduct	*-2.06*
		For >12" To <24" Length, Deduct	*-1.03*
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	10.37
		For Up To 12" Length, Deduct	*-2.64*
		For >12" To <24" Length, Deduct	*-1.32*
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	12.29
		For Up To 12" Length, Deduct	*-3.26*
		For >12" To <24" Length, Deduct	*-1.63*
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	15.18
		For Up To 12" Length, Deduct	*-4.26*
		For >12" To <24" Length, Deduct	*-2.13*
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	18.09
		For Up To 12" Length, Deduct	*-5.26*
		For >12" To <24" Length, Deduct	*-2.63*

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	4,822.72
		For Grade 75, Add	*137.42*
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	4,750.95
		For Grade 75, Add	*137.42*
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	4,696.23
		For Grade 75, Add	*137.42*
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	4,606.68
		For Grade 75, Add	*137.42*
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	4,485.61
		For Grade 75, Add	*137.42*
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	4,410.91
		For Grade 75, Add	*140.80*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	4,309.57	
		For Grade 75, Add	*140.80*	

03 21 11 00-0258 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0259 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0258)*

03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	97.20	
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice	152.68	

03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0258)*

03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	53.42	
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	77.79	
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	112.00	

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.30	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.18	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	4.53	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.72*	
		For >200 To 500, Add	*0.69*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.32	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.22	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.34	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	4.61	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.76*	
		For >200 To 500, Add	*0.70*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.27	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.42	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.72	
		For Up To 100, Add	*3.41*	
		For >100 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.73*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.15	
		For Up To 100, Add	*3.53*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*0.96*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.67	
		For Up To 100, Add	*4.48*	
		For >100 To 200, Add	*2.59*	
		For >200 To 400, Add	*1.22*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.47	
		For Up To 100, Add	*5.61*	
		For >100 To 200, Add	*3.23*	
		For >200 To 400, Add	*1.52*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.59	
		For Up To 100, Add	*5.66*	
		For >100 To 200, Add	*3.04*	
		For >200 To 300, Add	*1.52*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	13.81	
		For Up To 100, Add	*6.83*	
		For >100 To 200, Add	*3.66*	
		For >200 To 300, Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	19.18	
		For Up To 100, Add	*9.62*	
		For >100 To 200, Add	*5.13*	
		For >200 To 300, Add	*2.56*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	32.86	
		For Up To 100, Add	*16.74*	
		For >100 To 200, Add	*8.87*	
		For >200 To 300, Add	*4.43*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.84	
		For Up To 100, Add	*3.53*	
		For >100 To 200, Add	*1.87*	
		For >200 To 500, Add	*0.75*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.31	
		For Up To 100, Add	*3.65*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*0.99*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.88	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.68*	
		For >200 To 400, Add	*1.26*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.73	
		For Up To 100, Add	*5.81*	
		For >100 To 200, Add	*3.33*	
		For >200 To 400, Add	*1.57*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	11.92	
		For Up To 100, Add	*5.85*	
		For >100 To 200, Add	*3.14*	
		For >200 To 300, Add	*1.57*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	14.22	
		For Up To 100, Add	*7.08*	
		For >100 To 200, Add	*3.78*	
		For >200 To 300, Add	*1.89*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	19.77	
		For Up To 100, Add	*9.98*	
		For >100 To 200, Add	*5.30*	
		For >200 To 300, Add	*2.65*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	33.91	
		For Up To 100, Add	*17.37*	
		For >100 To 200, Add	*9.18*	
		For >200 To 300, Add	*4.59*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.35	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.19*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.45	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	4.75	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.77*	
		For >200 To 500, Add	*0.71*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.36	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.51	
		For Up To 100, Add	*2.41*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	4.83	
		For Up To 100, Add	*3.38*	
		For >100 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.73*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.39	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.49*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.94	
		For Up To 100, Add	*3.49*	
		For >100 To 200, Add	*1.87*	
		For >200 To 500, Add	*0.75*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*0.99*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	7.98	
		For Up To 100, Add	*4.59*	
		For >100 To 200, Add	*2.67*	
		For >200 To 400, Add	*1.25*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.83	
		For Up To 100, Add	*5.74*	
		For >100 To 200, Add	*3.32*	
		For >200 To 400, Add	*1.56*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.00	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*3.13*	
		For >200 To 300, Add	*1.56*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	14.28	
		For Up To 100, Add	*6.97*	
		For >100 To 200, Add	*3.75*	
		For >200 To 300, Add	*1.88*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	19.82	
		For Up To 100, Add	*9.82*	
		For >100 To 200, Add	*5.25*	
		For >200 To 300, Add	*2.63*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	33.84	
		For Up To 100, Add	*17.03*	
		For >100 To 200, Add	*9.06*	
		For >200 To 300, Add	*4.53*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.06	
		For Up To 100, Add	*3.61*	
		For >100 To 200, Add	*1.93*	
		For >200 To 500, Add	*0.77*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.58	
		For Up To 100, Add	*3.75*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.02*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.19	
		For Up To 100, Add	*4.75*	
		For >100 To 200, Add	*2.75*	
		For >200 To 400, Add	*1.29*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.09	
		For Up To 100, Add	*5.93*	
		For >100 To 200, Add	*3.42*	
		For >200 To 400, Add	*1.61*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.33	
		For Up To 100, Add	*5.98*	
		For >100 To 200, Add	*3.23*	
		For >200 To 300, Add	*1.61*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	14.69	
		For Up To 100, Add	*7.22*	
		For >100 To 200, Add	*3.88*	
		For >200 To 300, Add	*1.94*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	20.41	
		For Up To 100, Add	*10.17*	
		For >100 To 200, Add	*5.43*	
		For >200 To 300, Add	*2.72*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	34.89	
		For Up To 100, Add	*17.66*	
		For >100 To 200, Add	*9.38*	
		For >200 To 300, Add	*4.69*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.19	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.05	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*0.85*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.06	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.11	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.68*	
		For >200 To 500, Add	*0.67*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.23	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.19	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.39	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.69*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.39*	
		For >100 To 200, Add	*1.96*	
		For >200 To 400, Add	*0.92*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.20	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.48*	
		For >200 To 400, Add	*1.17*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.89	
		For Up To 100, Add	*5.41*	
		For >100 To 200, Add	*3.08*	
		For >200 To 400, Add	*1.46*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	10.92	
		For Up To 100, Add	*5.45*	
		For >100 To 200, Add	*2.91*	
		For >200 To 300, Add	*1.46*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.09	
		For Up To 100, Add	*6.62*	
		For >100 To 200, Add	*3.51*	
		For >200 To 300, Add	*1.76*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	18.24	
		For Up To 100, Add	*9.34*	
		For >100 To 200, Add	*4.94*	
		For >200 To 300, Add	*2.47*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	31.36	
		For Up To 100, Add	*16.29*	
		For >100 To 200, Add	*8.57*	
		For >200 To 300, Add	*4.28*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.51	
		For Up To 100, Add	*3.39*	
		For >100 To 200, Add	*1.79*	
		For >200 To 500, Add	*0.72*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.91	
		For Up To 100, Add	*3.51*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.95*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.41	
		For Up To 100, Add	*4.48*	
		For >100 To 200, Add	*2.56*	
		For >200 To 400, Add	*1.21*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.15	
		For Up To 100, Add	*5.60*	
		For >100 To 200, Add	*3.19*	
		For >200 To 400, Add	*1.52*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.25	
		For Up To 100, Add	*5.65*	
		For >100 To 200, Add	*3.01*	
		For >200 To 300, Add	*1.50*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	13.50	
		For Up To 100, Add	*6.86*	
		For >100 To 200, Add	*3.64*	
		For >200 To 300, Add	*1.82*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	18.83	
		For Up To 100, Add	*9.70*	
		For >100 To 200, Add	*5.12*	
		For >200 To 300, Add	*2.56*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	32.41	
		For Up To 100, Add	*16.92*	
		For >100 To 200, Add	*8.88*	
		For >200 To 300, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.15	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.96	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	4.09	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.01	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	4.17	
		For Up To 100, Add	*3.12*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.19	
		For Up To 100, Add	*0.85*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.06	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.30*	
		For >100 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.70*	
		For >200 To 500, Add	*0.68*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.62	
		For Up To 100, Add	*3.35*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.91*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.04	
		For Up To 100, Add	*4.26*	
		For >100 To 200, Add	*2.44*	
		For >200 To 400, Add	*1.15*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.71	
		For Up To 100, Add	*5.34*	
		For >100 To 200, Add	*3.04*	
		For >200 To 400, Add	*1.45*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	10.70	
		For Up To 100, Add	*5.39*	
		For >100 To 200, Add	*2.87*	
		For >200 To 300, Add	*1.43*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	12.85	
		For Up To 100, Add	*6.54*	
		For >100 To 200, Add	*3.47*	
		For >200 To 300, Add	*1.73*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	17.92	
		For Up To 100, Add	*9.25*	
		For >100 To 200, Add	*4.87*	
		For >200 To 300, Add	*2.44*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	30.87	
		For Up To 100, Add	*16.14*	
		For >100 To 200, Add	*8.47*	
		For >200 To 300, Add	*4.23*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.40	
		For Up To 100, Add	*3.35*	
		For >100 To 200, Add	*1.76*	
		For >200 To 500, Add	*0.71*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.78	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.99*	
		For >200 To 400, Add	*0.94*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.25	
		For Up To 100, Add	*4.42*	
		For >100 To 200, Add	*2.52*	
		For >200 To 400, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.97	
		For Up To 100, Add	*5.54*	
		For >100 To 200, Add	*3.14*	
		For >200 To 400, Add	*1.50*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.03	
		For Up To 100, Add	*5.59*	
		For >100 To 200, Add	*2.97*	
		For >200 To 300, Add	*1.48*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.26	
		For Up To 100, Add	*6.79*	
		For >100 To 200, Add	*3.59*	
		For >200 To 300, Add	*1.79*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	18.51	
		For Up To 100, Add	*9.60*	
		For >100 To 200, Add	*5.05*	
		For >200 To 300, Add	*2.53*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	31.92	
		For Up To 100, Add	*16.77*	
		For >100 To 200, Add	*8.78*	
		For >200 To 300, Add	*4.39*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.10	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.12	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.93	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.92	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.35	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.86*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.71	
		For Up To 100, Add	*4.15*	
		For >100 To 200, Add	*2.35*	
		For >200 To 400, Add	*1.12*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.35	
		For Up To 100, Add	*5.22*	
		For >100 To 200, Add	*2.95*	
		For >200 To 400, Add	*1.41*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.29	
		For Up To 100, Add	*5.27*	
		For >100 To 200, Add	*2.78*	
		For >200 To 300, Add	*1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	12.35	
		For Up To 100, Add	*6.39*	
		For >100 To 200, Add	*3.37*	
		For >200 To 300, Add	*1.68*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	17.30	
		For Up To 100, Add	*9.06*	
		For >100 To 200, Add	*4.75*	
		For >200 To 300, Add	*2.38*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	29.89	
		For Up To 100, Add	*15.85*	
		For >100 To 200, Add	*8.27*	
		For >200 To 300, Add	*4.14*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.19	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.71*	
		For >200 To 500, Add	*0.68*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.51	
		For Up To 100, Add	*3.37*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.91*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.92	
		For Up To 100, Add	*4.31*	
		For >100 To 200, Add	*2.44*	
		For >200 To 400, Add	*1.16*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.61	
		For Up To 100, Add	*5.41*	
		For >100 To 200, Add	*3.05*	
		For >200 To 400, Add	*1.46*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.62	
		For Up To 100, Add	*5.46*	
		For >100 To 200, Add	*2.88*	
		For >200 To 300, Add	*1.44*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	12.76	
		For Up To 100, Add	*6.64*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.74*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	17.89	
		For Up To 100, Add	*9.41*	
		For >100 To 200, Add	*4.93*	
		For >200 To 300, Add	*2.46*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	30.94	
		For Up To 100, Add	*16.48*	
		For >100 To 200, Add	*8.59*	
		For >200 To 300, Add	*4.29*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.77	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.75	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.85	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.87	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.83	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.20	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.87*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.56	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.32*	
		For >200 To 400, Add	*1.11*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.17	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.90*	
		For >200 To 400, Add	*1.39*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.07	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.74*	
		For >200 To 300, Add	*1.37*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	12.11	
		For Up To 100, Add	*6.32*	
		For >100 To 200, Add	*3.32*	
		For >200 To 300, Add	*1.66*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	16.99	
		For Up To 100, Add	*8.97*	
		For >100 To 200, Add	*4.69*	
		For >200 To 300, Add	*2.34*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	29.40	
		For Up To 100, Add	*15.70*	
		For >100 To 200, Add	*8.17*	
		For >200 To 300, Add	*4.09*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.08	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.68*	
		For >200 To 500, Add	*0.67*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*3.32*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.90*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.77	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.40*	
		For >200 To 400, Add	*1.15*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.43	
		For Up To 100, Add	*5.35*	
		For >100 To 200, Add	*3.01*	
		For >200 To 400, Add	*1.44*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	10.40	
		For Up To 100, Add	*5.40*	
		For >100 To 200, Add	*2.84*	
		For >200 To 300, Add	*1.42*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	12.52	
		For Up To 100, Add	*6.57*	
		For >100 To 200, Add	*3.44*	
		For >200 To 300, Add	*1.72*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	17.58	
		For Up To 100, Add	*9.32*	
		For >100 To 200, Add	*4.87*	
		For >200 To 300, Add	*2.43*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	30.45	
		For Up To 100, Add	*16.33*	
		For >100 To 200, Add	*8.49*	
		For >200 To 300, Add	*4.24*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.84*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.14	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.22	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.44	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.67*	
		For >200 To 500, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*0.86*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.18	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.52	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.71*	
		For >200 To 500, Add	*0.69*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.32	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.23	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.64	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.77*	
		For >200 To 500, Add	*0.71*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.03	
		For Up To 100, Add	*3.44*	
		For >100 To 200, Add	*2.01*	
		For >200 To 400, Add	*0.94*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.52	
		For Up To 100, Add	*4.37*	
		For >100 To 200, Add	*2.53*	
		For >200 To 400, Add	*1.19*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.27	
		For Up To 100, Add	*5.46*	
		For >100 To 200, Add	*3.15*	
		For >200 To 400, Add	*1.48*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.34	
		For Up To 100, Add	*5.51*	
		For >100 To 200, Add	*2.97*	
		For >200 To 300, Add	*1.48*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.51	
		For Up To 100, Add	*6.65*	
		For >100 To 200, Add	*3.57*	
		For >200 To 300, Add	*1.78*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	18.74	
		For Up To 100, Add	*9.36*	
		For >100 To 200, Add	*4.99*	
		For >200 To 300, Add	*2.50*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	32.08	
		For Up To 100, Add	*16.27*	
		For >100 To 200, Add	*8.63*	
		For >200 To 300, Add	*4.32*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.75	
		For Up To 100, Add	*3.44*	
		For >100 To 200, Add	*1.83*	
		For >200 To 500, Add	*0.73*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.19	
		For Up To 100, Add	*3.56*	
		For >100 To 200, Add	*2.07*	
		For >200 To 400, Add	*0.97*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.73	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.62*	
		For >200 To 400, Add	*1.23*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.53	
		For Up To 100, Add	*5.66*	
		For >100 To 200, Add	*3.25*	
		For >200 To 400, Add	*1.53*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.67	
		For Up To 100, Add	*5.70*	
		For >100 To 200, Add	*3.07*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.92	
		For Up To 100, Add	*6.90*	
		For >100 To 200, Add	*3.69*	
		For >200 To 300, Add	*1.85*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	19.33	
		For Up To 100, Add	*9.71*	
		For >100 To 200, Add	*5.17*	
		For >200 To 300, Add	*2.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	33.13	
		For Up To 100, Add	*16.90*	
		For >100 To 200, Add	*8.95*	
		For >200 To 300, Add	*4.47*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.32	
		For Up To 100, Add	*0.86*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	4.66	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.69*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.88*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.45	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*3.29*	
		For >100 To 200, Add	*1.77*	
		For >200 To 500, Add	*0.71*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.53	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.52*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.86	
		For Up To 100, Add	*3.41*	
		For >100 To 200, Add	*1.83*	
		For >200 To 500, Add	*0.73*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.30	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*2.07*	
		For >200 To 400, Add	*0.96*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.83	
		For Up To 100, Add	*4.48*	
		For >100 To 200, Add	*2.61*	
		For >200 To 400, Add	*1.22*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.63	
		For Up To 100, Add	*5.59*	
		For >100 To 200, Add	*3.24*	
		For >200 To 400, Add	*1.52*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	11.75	
		For Up To 100, Add	*5.63*	
		For >100 To 200, Add	*3.05*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	13.98	
		For Up To 100, Add	*6.79*	
		For >100 To 200, Add	*3.66*	
		For >200 To 300, Add	*1.83*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	19.38	
		For Up To 100, Add	*9.55*	
		For >100 To 200, Add	*5.12*	
		For >200 To 300, Add	*2.56*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	33.06	
		For Up To 100, Add	*16.57*	
		For >100 To 200, Add	*8.83*	
		For >200 To 300, Add	*4.41*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.97	
		For Up To 100, Add	*3.52*	
		For >100 To 200, Add	*1.88*	
		For >200 To 500, Add	*0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.46	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*2.14*	
		For >200 To 400, Add	*1.00*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.04	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.69*	
		For >200 To 400, Add	*1.26*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.89	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*3.34*	
		For >200 To 400, Add	*1.57*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.08	
		For Up To 100, Add	*5.83*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	14.39	
		For Up To 100, Add	*7.04*	
		For >100 To 200, Add	*3.79*	
		For >200 To 300, Add	*1.89*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	19.97	
		For Up To 100, Add	*9.91*	
		For >100 To 200, Add	*5.30*	
		For >200 To 300, Add	*2.65*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	34.11	
		For Up To 100, Add	*17.20*	
		For >100 To 200, Add	*9.14*	
		For >200 To 300, Add	*4.57*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.16	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.98	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.99	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	4.11	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*0.82*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.05	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	4.19	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*0.85*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.07	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.13	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.31	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.69*	
		For >200 To 500, Add	*0.68*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.63	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.91*	
		For >200 To 400, Add	*0.90*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.05	
		For Up To 100, Add	*4.21*	
		For >100 To 200, Add	*2.42*	
		For >200 To 400, Add	*1.14*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.69	
		For Up To 100, Add	*5.26*	
		For >100 To 200, Add	*3.00*	
		For >200 To 400, Add	*1.42*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar		10.67	
		For Up To 100, Add		*5.30*	
		For >100 To 200, Add		*2.84*	
		For >200 To 300, Add		*1.42*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar		12.79	
		For Up To 100, Add		*6.44*	
		For >100 To 200, Add		*3.42*	
		For >200 To 300, Add		*1.71*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar		17.80	
		For Up To 100, Add		*9.08*	
		For >100 To 200, Add		*4.81*	
		For >200 To 300, Add		*2.40*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar		30.58	
		For Up To 100, Add		*15.82*	
		For >100 To 200, Add		*8.33*	
		For >200 To 300, Add		*4.17*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		4.42	
		For Up To 100, Add		*3.30*	
		For >100 To 200, Add		*1.75*	
		For >200 To 500, Add		*0.70*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		5.79	
		For Up To 100, Add		*3.42*	
		For >100 To 200, Add		*1.97*	
		For >200 To 400, Add		*0.93*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		7.26	
		For Up To 100, Add		*4.37*	
		For >100 To 200, Add		*2.50*	
		For >200 To 400, Add		*1.18*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		8.95	
		For Up To 100, Add		*5.45*	
		For >100 To 200, Add		*3.11*	
		For >200 To 400, Add		*1.48*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		11.00	
		For Up To 100, Add		*5.50*	
		For >100 To 200, Add		*2.93*	
		For >200 To 300, Add		*1.47*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		13.20	
		For Up To 100, Add		*6.68*	
		For >100 To 200, Add		*3.55*	
		For >200 To 300, Add		*1.77*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		18.39	
		For Up To 100, Add		*9.43*	
		For >100 To 200, Add		*4.98*	
		For >200 To 300, Add		*2.49*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar		31.63	
		For Up To 100, Add		*16.45*	
		For >100 To 200, Add		*8.65*	
		For >200 To 300, Add		*4.32*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		1.12	
		For Up To 100, Add		*0.78*	
		For >100 To 200, Add		*0.42*	
		For >200 To 500, Add		*0.17*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		1.93	
		For Up To 100, Add		*1.37*	
		For >100 To 200, Add		*0.73*	
		For >200 To 500, Add		*0.29*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		2.90	
		For Up To 100, Add		*2.10*	
		For >100 To 200, Add		*1.12*	
		For >200 To 500, Add		*0.45*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		4.00	
		For Up To 100, Add		*2.95*	
		For >100 To 200, Add		*1.56*	
		For >200 To 500, Add		*0.63*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		1.14	
		For Up To 100, Add		*0.80*	
		For >100 To 200, Add		*0.43*	
		For >200 To 500, Add		*0.17*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		1.97	
		For Up To 100, Add		*1.41*	
		For >100 To 200, Add		*0.75*	
		For >200 To 500, Add		*0.30*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		2.96	
		For Up To 100, Add		*2.16*	
		For >100 To 200, Add		*1.15*	
		For >200 To 500, Add		*0.46*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		4.08	
		For Up To 100, Add		*3.03*	
		For >100 To 200, Add		*1.60*	
		For >200 To 500, Add		*0.64*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		1.17	
		For Up To 100, Add		*0.83*	
		For >100 To 200, Add		*0.45*	
		For >200 To 500, Add		*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.04	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.67*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*3.26*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.88*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.89	
		For Up To 100, Add	*4.15*	
		For >100 To 200, Add	*2.38*	
		For >200 To 400, Add	*1.12*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.51	
		For Up To 100, Add	*5.19*	
		For >100 To 200, Add	*2.96*	
		For >200 To 400, Add	*1.41*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.45	
		For Up To 100, Add	*5.24*	
		For >100 To 200, Add	*2.79*	
		For >200 To 300, Add	*1.40*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	12.55	
		For Up To 100, Add	*6.36*	
		For >100 To 200, Add	*3.38*	
		For >200 To 300, Add	*1.69*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	17.48	
		For Up To 100, Add	*8.98*	
		For >100 To 200, Add	*4.74*	
		For >200 To 300, Add	*2.37*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	30.09	
		For Up To 100, Add	*15.68*	
		For >100 To 200, Add	*8.23*	
		For >200 To 300, Add	*4.12*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.31	
		For Up To 100, Add	*3.26*	
		For >100 To 200, Add	*1.72*	
		For >200 To 500, Add	*0.69*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.66	
		For Up To 100, Add	*3.38*	
		For >100 To 200, Add	*1.94*	
		For >200 To 400, Add	*0.92*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.10	
		For Up To 100, Add	*4.31*	
		For >100 To 200, Add	*2.46*	
		For >200 To 400, Add	*1.17*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.77	
		For Up To 100, Add	*5.39*	
		For >100 To 200, Add	*3.06*	
		For >200 To 400, Add	*1.46*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.78	
		For Up To 100, Add	*5.44*	
		For >100 To 200, Add	*2.89*	
		For >200 To 300, Add	*1.45*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	12.96	
		For Up To 100, Add	*6.61*	
		For >100 To 200, Add	*3.50*	
		For >200 To 300, Add	*1.75*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	18.07	
		For Up To 100, Add	*9.34*	
		For >100 To 200, Add	*4.92*	
		For >200 To 300, Add	*2.46*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	31.14	
		For Up To 100, Add	*16.31*	
		For >100 To 200, Add	*8.55*	
		For >200 To 300, Add	*4.27*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.72	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.10	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.86	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.23	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.86*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.56	
		For Up To 100, Add	*4.04*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.09*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.15	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.87*	
		For >200 To 400, Add	*1.37*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.04	
		For Up To 100, Add	*5.12*	
		For >100 To 200, Add	*2.71*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	12.05	
		For Up To 100, Add	*6.21*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	16.86	
		For Up To 100, Add	*8.80*	
		For >100 To 200, Add	*4.62*	
		For >200 To 300, Add	*2.31*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	29.11	
		For Up To 100, Add	*15.38*	
		For >100 To 200, Add	*8.04*	
		For >200 To 300, Add	*4.02*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.10	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.67*	
		For >200 To 500, Add	*0.67*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.39	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.89*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.77	
		For Up To 100, Add	*4.19*	
		For >100 To 200, Add	*2.38*	
		For >200 To 400, Add	*1.13*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.41	
		For Up To 100, Add	*5.26*	
		For >100 To 200, Add	*2.97*	
		For >200 To 400, Add	*1.42*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.37	
		For Up To 100, Add	*5.31*	
		For >100 To 200, Add	*2.81*	
		For >200 To 300, Add	*1.40*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	12.46	
		For Up To 100, Add	*6.46*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	17.45	
		For Up To 100, Add	*9.15*	
		For >100 To 200, Add	*4.80*	
		For >200 To 300, Add	*2.40*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	30.16	
		For Up To 100, Add	*16.01*	
		For >100 To 200, Add	*8.35*	
		For >200 To 300, Add	*4.18*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	3.68	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.08	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	6.41	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.08*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.97	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.82*	
		For >200 To 400, Add	*1.35*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	9.82	
		For Up To 100, Add	*5.05*	
		For >100 To 200, Add	*2.67*	
		For >200 To 300, Add	*1.33*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	11.81	
		For Up To 100, Add	*6.14*	
		For >100 To 200, Add	*3.23*	
		For >200 To 300, Add	*1.61*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	16.55	
		For Up To 100, Add	*8.70*	
		For >100 To 200, Add	*4.56*	
		For >200 To 300, Add	*2.28*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	28.62	
		For Up To 100, Add	*15.23*	
		For >100 To 200, Add	*7.94*	
		For >200 To 300, Add	*3.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.66*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.87*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	6.62	
		For Up To 100, Add	*4.14*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.12*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	8.23	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.93*	
		For >200 To 400, Add	*1.40*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	10.15	
		For Up To 100, Add	*5.25*	
		For >100 To 200, Add	*2.76*	
		For >200 To 300, Add	*1.38*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	12.22	
		For Up To 100, Add	*6.39*	
		For >100 To 200, Add	*3.35*	
		For >200 To 300, Add	*1.68*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	17.14	
		For Up To 100, Add	*9.06*	
		For >100 To 200, Add	*4.73*	
		For >200 To 300, Add	*2.37*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	29.67	
		For Up To 100, Add	*15.86*	
		For >100 To 200, Add	*8.26*	
		For >200 To 300, Add	*4.13*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.11	
		For Up To 12" Length, Deduct	*-0.69*	
		For >12" To <24" Length, Deduct	*-0.35*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.28	
		For Up To 12" Length, Deduct	*-1.05*	
		For >12" To <24" Length, Deduct	*-0.52*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.12	
		For Up To 12" Length, Deduct	*-1.56*	
		For >12" To <24" Length, Deduct	*-0.78*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.39	
		For Up To 12" Length, Deduct	*-2.07*	
		For >12" To <24" Length, Deduct	*-1.04*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	13.84	
		For Up To 12" Length, Deduct	*-2.82*	
		For >12" To <24" Length, Deduct	*-1.41*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	16.17	
		For Up To 12" Length, Deduct	*-3.48*	
		For >12" To <24" Length, Deduct	*-1.74*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	19.12	
		For Up To 12" Length, Deduct	*-4.20*	
		For >12" To <24" Length, Deduct	*-2.10*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	23.04	
		For Up To 12" Length, Deduct	*-5.10*	
		For >12" To <24" Length, Deduct	*-2.55*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.29	
		For >5 Ton, Deduct	*-0.20*	
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.46	
		For >5 Ton, Deduct	*-0.23*	
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.63	
		For >5 Ton, Deduct	*-0.25*	
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.87	
		For >5 Ton, Deduct	*-0.28*	
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.51	
		For >5 Ton, Deduct	*-0.23*	
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.67	
		For >5 Ton, Deduct	*-0.25*	
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.02	
		For >5 Ton, Deduct	*-0.30*	
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.32	
		For >5 Ton, Deduct	*-0.33*	
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.08	
		For >5 Ton, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.78	
		For >5 Ton, Deduct	*-0.37*	
		For Galvanized, Add	*0.56*	
		For Epoxy Coated, Add	*1.13*	
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	3.61	
		For >5 Ton, Deduct	*-0.47*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.38	
		For >5 Ton, Deduct	*-0.21*	
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.58	
		For >5 Ton, Deduct	*-0.24*	
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.78	
		For >5 Ton, Deduct	*-0.27*	
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.09	
		For >5 Ton, Deduct	*-0.30*	
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.64	
		For >5 Ton, Deduct	*-0.25*	
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.84	
		For >5 Ton, Deduct	*-0.27*	
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.29	
		For >5 Ton, Deduct	*-0.32*	
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.66	
		For >5 Ton, Deduct	*-0.37*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns	5.19	
		For >5 Ton, Deduct	*-0.83*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.37	
		For >5 Ton, Deduct	*-0.21*	
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.56	
		For >5 Ton, Deduct	*-0.24*	
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.76	
		For >5 Ton, Deduct	*-0.26*	
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.06	
		For >5 Ton, Deduct	*-0.30*	
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.63	
		For >5 Ton, Deduct	*-0.24*	
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.82	
		For >5 Ton, Deduct	*-0.27*	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.26	
		For >5 Ton, Deduct	*-0.32*	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.61	
		For >5 Ton, Deduct	*-0.36*	

03 30 Cast-In-Place Concrete *(03)*

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0002	CY	Pour Ductbank, 3000 PSI Concrete		236.61	
		For 2,000 PSI Concrete, Deduct		*-10.14*	
		For 2,500 PSI Concrete, Deduct		*-5.07*	
		For 3,500 PSI Concrete, Add		*9.39*	
		For 3,750 PSI Concrete, Add		*12.76*	
		For 4,000 PSI Concrete, Add		*16.14*	
		For 4,500 PSI Concrete, Add		*18.77*	
		For 5,000 PSI Concrete, Add		*21.40*	
		For 6,000 PSI Concrete, Add		*50.68*	
		For 7,500 PSI Concrete, Add		*125.86*	
		For White Cement Concrete, Add		*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add		*18.77*	
		For Lightweight Aggregate, ASTM C330, Add		*65.70*	
		For Up To 20, Add		*19.56*	
		For >20 To 50, Add		*7.34*	
		For >100 To 200, Deduct		*-4.73*	
		For >200 To 400, Deduct		*-9.46*	
		For >400, Deduct		*-14.20*	
		For DOT Class D, Add		*80.90*	
		For DOT Class E, Add		*70.39*	
		For DOT Class F, Add		*81.47*	
		For DOT Class G, Add		*78.28*	

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks		298.12	
		For 2,000 PSI Concrete, Deduct		*-10.14*	
		For 2,500 PSI Concrete, Deduct		*-5.07*	
		For 3,500 PSI Concrete, Add		*9.39*	
		For 3,750 PSI Concrete, Add		*12.76*	
		For 4,000 PSI Concrete, Add		*16.14*	
		For 4,500 PSI Concrete, Add		*18.77*	
		For 5,000 PSI Concrete, Add		*21.40*	
		For 6,000 PSI Concrete, Add		*50.68*	
		For 7,500 PSI Concrete, Add		*125.86*	
		For White Cement Concrete, Add		*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add		*18.77*	
		For Lightweight Aggregate, ASTM C330, Add		*65.70*	
		For Up To 20, Add		*44.16*	
		For >20 To 50, Add		*16.56*	
		For >100 To 200, Deduct		*-5.96*	
		For >200 To 400, Deduct		*-11.92*	
		For >400, Deduct		*-17.89*	
		For DOT Class D, Add		*80.90*	
		For DOT Class E, Add		*70.39*	
		For DOT Class F, Add		*81.47*	
		For DOT Class G, Add		*78.28*	

03 30 53 00-0005 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0006	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.		25.35	
		For Up To 25 CF, Add		*2.94*	
		For 2,000 PSI Concrete, Deduct		*-0.43*	
		For 2,500 PSI Concrete, Deduct		*-0.22*	
		For 3,500 PSI Concrete, Add		*0.40*	
		For 3,750 PSI Concrete, Add		*0.55*	
		For 4,000 PSI Concrete, Add		*0.69*	
		For 4,500 PSI Concrete, Add		*0.80*	
		For 5,000 PSI Concrete, Add		*0.91*	
		For 6,000 PSI Concrete, Add		*2.17*	
		For 7,500 PSI Concrete, Add		*5.38*	
		For White Cement Concrete, Add		*0.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		*1.04*	
		For High Early Strength, Type 3 ASTM C150, Add		*0.80*	
		For Lightweight Aggregate, ASTM C330, Add		*2.81*	
		For DOT Class D, Add		*3.46*	
		For DOT Class E, Add		*3.01*	
		For DOT Class F, Add		*3.48*	
		For DOT Class G, Add		*3.34*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0078 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.14	
		For 2,000 PSI Concrete, Deduct	*-0.25*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.29*	
		For 4,500 PSI Concrete, Add	*0.36*	
		For 5,000 PSI Concrete, Add	*0.41*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*4.26*	
		For >500 To 1,000, Add	*2.92*	
		For >1,000 To 2,000, Add	*1.57*	
		For >2,000 To 5,000, Add	*0.79*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000 To 35,000, Deduct	*-0.48*	
		For >35,000 To 50,000, Deduct	*-0.74*	
		For >50,000 To 70,000, Deduct	*-0.99*	
		For >70,000, Deduct	*-1.24*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.03	
		For 2,000 PSI Concrete, Deduct	*-0.28*	
		For 2,500 PSI Concrete, Deduct	*-0.14*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.33*	
		For 4,500 PSI Concrete, Add	*0.41*	
		For 5,000 PSI Concrete, Add	*0.47*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*4.55*	
		For >500 To 1,000, Add	*3.12*	
		For >1,000 To 2,000, Add	*1.69*	
		For >2,000 To 5,000, Add	*0.84*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000 To 35,000, Deduct	*-0.53*	
		For >35,000 To 50,000, Deduct	*-0.81*	
		For >50,000 To 70,000, Deduct	*-1.09*	
		For >70,000, Deduct	*-1.36*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.29	
		For 2,000 PSI Concrete, Deduct	*-0.33*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.48*	
		For 5,000 PSI Concrete, Add	*0.55*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*4.95*	
		For >500 To 1,000, Add	*3.40*	
		For >1,000 To 2,000, Add	*1.85*	
		For >2,000 To 5,000, Add	*0.93*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000 To 35,000, Deduct	*-0.61*	
		For >35,000 To 50,000, Deduct	*-0.92*	
		For >50,000 To 70,000, Deduct	*-1.22*	
		For >70,000, Deduct	*-1.53*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	13.45	
		For 2,000 PSI Concrete, Deduct	*-0.38*	
		For 2,500 PSI Concrete, Deduct	*-0.19*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.55*	
		For 5,000 PSI Concrete, Add	*0.63*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*5.29*	
		For >500 To 1,000, Add	*3.64*	
		For >1,000 To 2,000, Add	*1.99*	
		For >2,000 To 5,000, Add	*1.00*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000 To 35,000, Deduct	*-0.68*	
		For >35,000 To 50,000, Deduct	*-1.02*	
		For >50,000 To 70,000, Deduct	*-1.36*	
		For >70,000, Deduct	*-1.69*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.46	
		For 2,000 PSI Concrete, Deduct	*-0.42*	
		For 2,500 PSI Concrete, Deduct	*-0.21*	
		For 3,500 PSI Concrete, Add	*0.15*	
		For 4,000 PSI Concrete, Add	*0.49*	
		For 4,500 PSI Concrete, Add	*0.61*	
		For 5,000 PSI Concrete, Add	*0.70*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*5.59*	
		For >500 To 1,000, Add	*3.86*	
		For >1,000 To 2,000, Add	*2.12*	
		For >2,000 To 5,000, Add	*1.06*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000 To 35,000, Deduct	*-0.75*	
		For >35,000 To 50,000, Deduct	*-1.11*	
		For >50,000 To 70,000, Deduct	*-1.47*	
		For >70,000, Deduct	*-1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	17.00	
		For 2,000 PSI Concrete, Deduct	*-0.53*	
		For 2,500 PSI Concrete, Deduct	*-0.26*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.61*	
		For 4,500 PSI Concrete, Add	*0.77*	
		For 5,000 PSI Concrete, Add	*0.89*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*6.31*	
		For >500 To 1,000, Add	*4.37*	
		For >1,000 To 2,000, Add	*2.43*	
		For >2,000 To 5,000, Add	*1.21*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000 To 35,000, Deduct	*-0.91*	
		For >35,000 To 50,000, Deduct	*-1.34*	
		For >50,000 To 70,000, Deduct	*-1.76*	
		For >70,000, Deduct	*-2.19*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	19.01	
		For 2,000 PSI Concrete, Deduct	*-0.61*	
		For 2,500 PSI Concrete, Deduct	*-0.30*	
		For 3,500 PSI Concrete, Add	*0.21*	
		For 4,000 PSI Concrete, Add	*0.71*	
		For 4,500 PSI Concrete, Add	*0.89*	
		For 5,000 PSI Concrete, Add	*1.02*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*6.92*	
		For >500 To 1,000, Add	*4.80*	
		For >1,000 To 2,000, Add	*2.68*	
		For >2,000 To 5,000, Add	*1.34*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000 To 35,000, Deduct	*-1.04*	
		For >35,000 To 50,000, Deduct	*-1.51*	
		For >50,000 To 70,000, Deduct	*-1.99*	
		For >70,000, Deduct	*-2.46*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests.

03 31 13 00-0011 Place 3000 PSI Concrete By Direct Chute *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	268.89	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*32.47*	
		For >20 To 50, Add	*12.18*	
		For >100 To 200, Deduct	*-5.38*	
		For >200 To 400, Deduct	*-10.76*	
		For >400, Deduct	*-16.13*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0014	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	280.66	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*30.92*	
		For >20 To 50, Add	*11.60*	
		For >100 To 200, Deduct	*-5.61*	
		For >200 To 400, Deduct	*-11.23*	
		For >400, Deduct	*-16.84*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0015 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0016	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	259.88	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*28.87*	
		For >20 To 50, Add	*10.83*	
		For >100 To 200, Deduct	*-5.20*	
		For >200 To 400, Deduct	*-10.40*	
		For >400, Deduct	*-15.59*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0017	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	272.07	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*27.49*	
		For >20 To 50, Add	*10.31*	
		For >100 To 200, Deduct	*-5.44*	
		For >200 To 400, Deduct	*-10.88*	
		For >400, Deduct	*-16.32*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0018 Place Concrete Spread Footings *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0019	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	309.48	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*48.71*	
		For >20 To 50, Add	*18.27*	
		For >100 To 200, Deduct	*-6.19*	
		For >200 To 400, Deduct	*-12.38*	
		For >400, Deduct	*-18.57*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0020	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	319.33	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*46.39*	
		For >20 To 50, Add	*17.40*	
		For >100 To 200, Deduct	*-6.39*	
		For >200 To 400, Deduct	*-12.77*	
		For >400, Deduct	*-19.16*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0021 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	209.37	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*8.66*	
		For >20 To 50, Add	*3.25*	
		For >100 To 200, Deduct	*-4.19*	
		For >200 To 400, Deduct	*-8.37*	
		For >400, Deduct	*-12.56*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	221.39	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*7.22*	
		For >20 To 50, Add	*2.71*	
		For >100 To 200, Deduct	*-4.43*	
		For >200 To 400, Deduct	*-8.86*	
		For >400, Deduct	*-13.28*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0024 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Direct Chute, Place 3000 PSI Concrete Grade Beam	245.44	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*23.09*	
		For >20 To 50, Add	*8.66*	
		For >100 To 200, Deduct	*-4.91*	
		For >200 To 400, Deduct	*-9.82*	
		For >400, Deduct	*-14.73*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0026	CY	Concrete Pump, Place 3000 PSI Concrete Grade Beam Note: Excludes pumping equipment.	258.33	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*21.99*	
		For >20 To 50, Add	*8.25*	
		For >100 To 200, Deduct	*-5.17*	
		For >200 To 400, Deduct	*-10.33*	
		For >400, Deduct	*-15.50*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0027 Place Concrete Slab On Grade *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0028	CY	Up To 6", Direct Chute, Place 3000 PSI Concrete Slab On Grade	246.80	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*23.64*	
		For >20 To 50, Add	*8.86*	
		For >100 To 200, Deduct	*-4.94*	
		For >200 To 400, Deduct	*-9.87*	
		For >400, Deduct	*-14.81*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0029	CY	>6", Direct Chute, Place 3000 PSI Concrete Slab On Grade	232.54	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*17.93*	
		For >20 To 50, Add	*6.72*	
		For >100 To 200, Deduct	*-4.65*	
		For >200 To 400, Deduct	*-9.30*	
		For >400, Deduct	*-13.95*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0030	CY	Up To 6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade	252.59	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*19.70*	
		For >20 To 50, Add	*7.39*	
		For >100 To 200, Deduct	*-5.05*	
		For >200 To 400, Deduct	*-10.10*	
		For >400, Deduct	*-15.16*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031	CY	>6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	240.70	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*14.94*	
		For >20 To 50, Add	*5.60*	
		For >100 To 200, Deduct	*-4.81*	
		For >200 To 400, Deduct	*-9.63*	
		For >400, Deduct	*-14.44*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0032 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	453.60	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*106.36*	
		For >20 To 50, Add	*39.88*	
		For >100 To 200, Deduct	*-9.07*	
		For >200 To 400, Deduct	*-18.14*	
		For >400, Deduct	*-27.22*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0034	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	424.95	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*88.64*	
		For >20 To 50, Add	*33.24*	
		For >100 To 200, Deduct	*-8.50*	
		For >200 To 400, Deduct	*-17.00*	
		For >400, Deduct	*-25.50*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0035 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*
See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0036 Place Elevated Concrete Beams *(03 31 13 00-0035)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0037	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Beams	432.23	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*97.81*	
		For >20 To 50, Add	*36.68*	
		For >100 To 200, Deduct	*-8.64*	
		For >200 To 400, Deduct	*-17.29*	
		For >400, Deduct	*-25.93*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0038	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	340.80	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*54.98*	
		For >20 To 50, Add	*20.62*	
		For >100 To 200, Deduct	*-6.82*	
		For >200 To 400, Deduct	*-13.63*	
		For >400, Deduct	*-20.45*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0039 Place Elevated Concrete Slab *(03 31 13 00-0035)*

03 31 13 00-0040	CY	Pour Elevated Slab, < 6", Crane And Bucket, 3000 PSI Concrete	419.20	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*92.60*	
		For >20 To 50, Add	*34.72*	
		For >100 To 200, Deduct	*-8.38*	
		For >200 To 400, Deduct	*-16.77*	
		For >400, Deduct	*-25.15*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0041	CY	Pour Elevated Slab, >= 6", Crane And Bucket, 3000 PSI Concrete Note: Excludes crane and bucket.	356.89	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*67.67*	
		For >20 To 50, Add	*25.38*	
		For >100 To 200, Deduct	*-7.14*	
		For >200 To 400, Deduct	*-14.28*	
		For >400, Deduct	*-21.41*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0042	CY	Pour Elevated Slab, Up To 6", Concrete Pump, 3000 PSI Concrete Note: Excludes pumping equipment.	268.06	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*25.88*	
		For >20 To 50, Add	*9.71*	
		For >100 To 200, Deduct	*-5.36*	
		For >200 To 400, Deduct	*-10.72*	
		For >400, Deduct	*-16.08*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	
03 31 13 00-0043	CY	Pour Elevated Slab, >6", Concrete Pump, 3000 PSI Concrete Note: Excludes pumping equipment.	252.45	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*19.64*	
		For >20 To 50, Add	*7.37*	
		For >100 To 200, Deduct	*-5.05*	
		For >200 To 400, Deduct	*-10.10*	
		For >400, Deduct	*-15.15*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0044 Place Concrete Columns *(03 31 13 00-0035)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0045	CY	12" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	462.78	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*110.03*	
		For >20 To 50, Add	*41.26*	
		For >100 To 200, Deduct	*-9.26*	
		For >200 To 400, Deduct	*-18.51*	
		For >400, Deduct	*-27.77*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0046	CY	18" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	387.74	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*80.01*	
		For >20 To 50, Add	*30.00*	
		For >100 To 200, Deduct	*-7.75*	
		For >200 To 400, Deduct	*-15.51*	
		For >400, Deduct	*-23.26*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0047	CY	24" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	344.88	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*62.87*	
		For >20 To 50, Add	*23.58*	
		For >100 To 200, Deduct	*-6.90*	
		For >200 To 400, Deduct	*-13.80*	
		For >400, Deduct	*-20.69*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0048	CY	36" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns Note: Excludes crane and bucket.	297.74	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*44.01*	
		For >20 To 50, Add	*16.50*	
		For >100 To 200, Deduct	*-5.95*	
		For >200 To 400, Deduct	*-11.91*	
		For >400, Deduct	*-17.86*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0049	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	351.80	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*59.38*	
		For >20 To 50, Add	*22.27*	
		For >100 To 200, Deduct	*-7.04*	
		For >200 To 400, Deduct	*-14.07*	
		For >400, Deduct	*-21.11*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	
03 31 13 00-0050	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	311.25	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*43.16*	
		For >20 To 50, Add	*16.19*	
		For >100 To 200, Deduct	*-6.23*	
		For >200 To 400, Deduct	*-12.45*	
		For >400, Deduct	*-18.68*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0051	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	282.24	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*31.56*	
		For >20 To 50, Add	*11.83*	
		For >100 To 200, Deduct	*-5.64*	
		For >200 To 400, Deduct	*-11.29*	
		For >400, Deduct	*-16.93*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	
03 31 13 00-0052	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	269.33	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*26.39*	
		For >20 To 50, Add	*9.90*	
		For >100 To 200, Deduct	*-5.39*	
		For >200 To 400, Deduct	*-10.77*	
		For >400, Deduct	*-16.16*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0053 Place Concrete Walls *(03 31 13 00-0035)*

03 31 13 00-0054	CY	8" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls	517.94	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*132.09*	
		For >20 To 50, Add	*49.53*	
		For >100 To 200, Deduct	*-10.36*	
		For >200 To 400, Deduct	*-20.72*	
		For >400, Deduct	*-31.08*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055	CY	12" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls Note: Excludes crane and bucket.	479.96	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*116.90*	
		For >20 To 50, Add	*43.84*	
		For >100 To 200, Deduct	*-9.60*	
		For >200 To 400, Deduct	*-19.20*	
		For >400, Deduct	*-28.80*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0056	CY	15" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls Note: Excludes crane and bucket.	466.06	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*111.34*	
		For >20 To 50, Add	*41.75*	
		For >100 To 200, Deduct	*-9.32*	
		For >200 To 400, Deduct	*-18.64*	
		For >400, Deduct	*-27.96*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0057	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	333.84	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*58.45*	
		For >20 To 50, Add	*21.92*	
		For >100 To 200, Deduct	*-6.68*	
		For >200 To 400, Deduct	*-13.35*	
		For >400, Deduct	*-20.03*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0058	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	304.62	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*46.76*	
		For >20 To 50, Add	*17.54*	
		For >100 To 200, Deduct	*-6.09*	
		For >200 To 400, Deduct	*-12.18*	
		For >400, Deduct	*-18.28*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0059	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	290.00	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*40.92*	
		For >20 To 50, Add	*15.34*	
		For >100 To 200, Deduct	*-5.80*	
		For >200 To 400, Deduct	*-11.60*	
		For >400, Deduct	*-17.40*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0060	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	342.51	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*55.66*	
		For >20 To 50, Add	*20.87*	
		For >100 To 200, Deduct	*-6.85*	
		For >200 To 400, Deduct	*-13.70*	
		For >400, Deduct	*-20.55*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0061	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	314.68	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*44.53*	
		For >20 To 50, Add	*16.70*	
		For >100 To 200, Deduct	*-6.29*	
		For >200 To 400, Deduct	*-12.59*	
		For >400, Deduct	*-18.88*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	
03 31 13 00-0062	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	300.77	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*38.97*	
		For >20 To 50, Add	*14.61*	
		For >100 To 200, Deduct	*-6.02*	
		For >200 To 400, Deduct	*-12.03*	
		For >400, Deduct	*-18.05*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0063 Place Elevated Concrete Stairs *(03 31 13 00-0035)*

03 31 13 00-0064	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	449.53	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*98.47*	
		For >20 To 50, Add	*36.93*	
		For >100 To 200, Deduct	*-8.99*	
		For >200 To 400, Deduct	*-17.98*	
		For >400, Deduct	*-26.97*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0065	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Stairs Note: Excludes crane and bucket.	687.71	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*200.00*	
		For >20 To 50, Add	*75.00*	
		For >100 To 200, Deduct	*-13.75*	
		For >200 To 400, Deduct	*-27.51*	
		For >400, Deduct	*-41.26*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	

03 31 13 00-0066 Place Concrete Coping *(03 31 13 00-0035)*

03 31 13 00-0067	CY	Direct Chute, Place 3,000 PSI Concrete Coping	481.14	
		For 2,000 PSI Concrete, Deduct	*-10.14*	
		For 2,500 PSI Concrete, Deduct	*-5.07*	
		For 3,500 PSI Concrete, Add	*9.39*	
		For 3,750 PSI Concrete, Add	*12.76*	
		For 4,000 PSI Concrete, Add	*16.14*	
		For 4,500 PSI Concrete, Add	*18.77*	
		For 5,000 PSI Concrete, Add	*21.40*	
		For 6,000 PSI Concrete, Add	*50.68*	
		For 7,500 PSI Concrete, Add	*125.86*	
		For White Cement Concrete, Add	*22.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.40*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.77*	
		For Lightweight Aggregate, ASTM C330, Add	*65.70*	
		For Up To 20, Add	*117.37*	
		For >20 To 50, Add	*44.01*	
		For >100 To 200, Deduct	*-9.62*	
		For >200 To 400, Deduct	*-19.25*	
		For >400, Deduct	*-28.87*	
		For DOT Class D, Add	*80.90*	
		For DOT Class E, Add	*70.39*	
		For DOT Class F, Add	*81.47*	
		For DOT Class G, Add	*78.28*	
03 31 13 00-0068	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	647.79	
		For 2,000 PSI Concrete, Deduct	*-10.98*	
		For 2,500 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Add	*10.17*	
		For 3,750 PSI Concrete, Add	*13.83*	
		For 4,000 PSI Concrete, Add	*17.49*	
		For 4,500 PSI Concrete, Add	*20.34*	
		For 5,000 PSI Concrete, Add	*23.18*	
		For 6,000 PSI Concrete, Add	*54.90*	
		For 7,500 PSI Concrete, Add	*136.35*	
		For White Cement Concrete, Add	*24.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*26.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*20.34*	
		For Lightweight Aggregate, ASTM C330, Add	*71.17*	
		For Up To 20, Add	*177.78*	
		For >20 To 50, Add	*66.67*	
		For >100 To 200, Deduct	*-12.96*	
		For >200 To 400, Deduct	*-25.91*	
		For >400, Deduct	*-38.87*	
		For DOT Class D, Add	*87.64*	
		For DOT Class E, Add	*76.26*	
		For DOT Class F, Add	*88.25*	
		For DOT Class G, Add	*84.80*	

03 31 13 00-0069 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

03 31 13 00-0070	CY	50' Haul, Non-Motorized, Concrete Buggy	35.38	
03 31 13 00-0071	CY	150' Haul, Non-Motorized, Concrete Buggy	47.38	
03 31 13 00-0072	CY	250' Haul, Non-Motorized, Concrete Buggy	63.19	
03 31 13 00-0073	CY	50' Haul, Motorized, Concrete Buggy	15.49	
03 31 13 00-0074	CY	150' Haul, Motorized, Concrete Buggy	20.76	
03 31 13 00-0075	CY	250' Haul, Motorized, Concrete Buggy	27.69	

03 31 13 00-0076 Concrete Bucket *(03 31 13 00-0010)*

Note: Excludes crane rental. Use "Direct Chute" concrete tasks from appropriate section to place into bucket and place concrete.

03 31 13 00-0077	DAY	2 CY Concrete Bucket Rental	238.02	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078			Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*		
03 31 13 00-0079		EA	Up To 3 CY, Delivery Fee For Small Concrete Purchases Note: Short load	225.00	
03 31 13 00-0080		EA	>3 To <7 CY, Delivery Fee For Small Concrete Purchases Note: Short load	112.50	
03 31 16			**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001			Low Density Cellular / Foam Concrete Fill *(03 31 16)*		
03 31 16 00-0002		CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	353.24	
03 35			**Concrete Finishing** *(03 30)*		
03 35 13			**High-Tolerance Concrete Floor Finishing** *(03 35)*		
03 35 13 00-0001			Floor Finishes *(03 35 13)* Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002		SF	Screed, Concrete Floor Finish	1.46	
			For Up To 100, Add	*2.92*	
			For >100 To 250, Add	*0.73*	
			For >250 To 500, Add	*0.37*	
			For >5,000 To 10,000, Deduct	*-0.07*	
			For >10,000, Deduct	*-0.15*	
03 35 13 00-0003		SF	Darby, Concrete Floor Finish	1.76	
			For Up To 100, Add	*3.52*	
			For >100 To 250, Add	*0.88*	
			For >250 To 500, Add	*0.44*	
			For >5,000 To 10,000, Deduct	*-0.09*	
			For >10,000, Deduct	*-0.18*	
03 35 13 00-0004		SF	Broom, Concrete Floor Finish	1.94	
			For Up To 100, Add	*3.88*	
			For >100 To 250, Add	*0.97*	
			For >250 To 500, Add	*0.49*	
			For >5,000 To 10,000, Deduct	*-0.10*	
			For >10,000, Deduct	*-0.19*	
03 35 13 00-0005		SF	Final Float, Concrete Floor Finish	2.23	
			For Up To 100, Add	*4.46*	
			For >100 To 250, Add	*1.12*	
			For >250 To 500, Add	*0.56*	
			For >5,000 To 10,000, Deduct	*-0.11*	
			For >10,000, Deduct	*-0.22*	
03 35 13 00-0006		SF	Steel Trowel, Concrete Floor Finish	2.52	
			For Up To 100, Add	*5.04*	
			For >100 To 250, Add	*1.26*	
			For >250 To 500, Add	*0.63*	
			For >5,000 To 10,000, Deduct	*-0.13*	
			For >10,000, Deduct	*-0.25*	
03 35 16			**Heavy-Duty Concrete Floor Finishing** *(03 35)*		
03 35 16 00-0001			Shake On Floor Hardeners *(03 35 16)*		
03 35 16 00-0002		SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.71	
03 35 16 00-0003		SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.54	
03 35 16 00-0004		SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.63	
03 35 16 00-0005		SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.90	
03 35 19			**Colored Concrete Finishing** *(03 35)*		
03 35 19 00-0001			Concrete Surface Treatments *(03 35 19)*		
03 35 19 00-0002		SF	Acrylic Latex Bonding Agent	0.74	
03 35 19 00-0003		SF	Epoxy Resin Bonding Agent	3.92	
03 35 19 00-0004		SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.47	
03 35 19 00-0005		SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.49	
03 35 23			**Exposed Aggregate Concrete Finishing** *(03 35)*		
03 35 23 00-0001			Exposed Aggregate, Concrete Finish *(03 35 23)*		
03 35 23 00-0002		SF	Exposed Aggregate, Concrete Floor Finish	5.17	
03 35 26			**Grooved Concrete Surface Finishing** *(03 35)*		
03 35 26 00-0001			Ramp, Grooved Concrete Surface Finishing *(03 35 26)*		
03 35 26 00-0002		SF	Ramp, Grooved Concrete Surface Finishing	5.42	
03 35 33			**Stamped Concrete Finishing** *(03 35)*		
03 35 33 00-0001			Stamped Concrete Finishes *(03 35 33)*		
03 35 33 00-0002		SF	Up To 2,500 SF Stamped Concrete Finish	5.77	
03 35 33 00-0003		SF	>2,500 To 10,000 SF Stamped Concrete Finish	5.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	4.99	

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.73	
		For Up To 500, Add	*5.20*	
		For >500 To 1,000, Add	*4.82*	
		For >1,000 To 2,500, Add	*3.19*	
		For >2,500 To 4,000, Add	*1.66*	
		For >8,000 To 15,000, Deduct	*-0.64*	
		For >15,000 To 25,000, Deduct	*-0.82*	
		For >25,000, Deduct	*-1.15*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	2.20	
		For Up To 500, Add	*4.17*	
		For >500 To 1,000, Add	*3.87*	
		For >1,000 To 2,500, Add	*2.56*	
		For >2,500 To 4,000, Add	*1.33*	
		For >8,000 To 15,000, Deduct	*-0.52*	
		For >15,000 To 25,000, Deduct	*-0.66*	
		For >25,000, Deduct	*-0.92*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.83	
		For Up To 500, Add	*3.45*	
		For >500 To 1,000, Add	*3.20*	
		For >1,000 To 2,500, Add	*2.12*	
		For >2,500 To 4,000, Add	*1.10*	
		For >8,000 To 15,000, Deduct	*-0.43*	
		For >15,000 To 25,000, Deduct	*-0.54*	
		For >25,000, Deduct	*-0.77*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.71	
		For Up To 500, Add	*3.22*	
		For >500 To 1,000, Add	*2.99*	
		For >1,000 To 2,500, Add	*1.98*	
		For >2,500 To 4,000, Add	*1.03*	
		For >8,000 To 15,000, Deduct	*-0.40*	
		For >15,000 To 25,000, Deduct	*-0.51*	
		For >25,000, Deduct	*-0.71*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.57	
		For Up To 500, Add	*2.95*	
		For >500 To 1,000, Add	*2.74*	
		For >1,000 To 2,500, Add	*1.81*	
		For >2,500 To 4,000, Add	*0.94*	
		For >8,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 25,000, Deduct	*-0.46*	
		For >25,000, Deduct	*-0.65*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.57	
		For Up To 500, Add	*2.95*	
		For >500 To 1,000, Add	*2.74*	
		For >1,000 To 2,500, Add	*1.81*	
		For >2,500 To 4,000, Add	*0.94*	
		For >8,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 25,000, Deduct	*-0.46*	
		For >25,000, Deduct	*-0.65*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.57	
		For Up To 500, Add	*2.95*	
		For >500 To 1,000, Add	*2.74*	
		For >1,000 To 2,500, Add	*1.81*	
		For >2,500 To 4,000, Add	*0.94*	
		For >8,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 25,000, Deduct	*-0.46*	
		For >25,000, Deduct	*-0.65*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.57	
		For Up To 500, Add	*2.95*	
		For >500 To 1,000, Add	*2.74*	
		For >1,000 To 2,500, Add	*1.81*	
		For >2,500 To 4,000, Add	*0.94*	
		For >8,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 25,000, Deduct	*-0.46*	
		For >25,000, Deduct	*-0.65*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.38	
		For Up To 500, Add	*0.64*	
		For >500 To 1,000, Add	*0.59*	
		For >1,000 To 2,500, Add	*0.39*	
		For >2,500 To 4,000, Add	*0.20*	
		For >8,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 25,000, Deduct	*-0.10*	
		For >25,000, Deduct	*-0.14*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.71	
		For Up To 500, Add	*0.80*	
		For >500 To 1,000, Add	*0.74*	
		For >1,000 To 2,500, Add	*0.49*	
		For >2,500 To 4,000, Add	*0.25*	
		For >8,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 25,000, Deduct	*-0.13*	
		For >25,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.22	
		For Up To 500, Add	*1.18*	
		For >500 To 1,000, Add	*1.10*	
		For >1,000 To 2,500, Add	*0.73*	
		For >2,500 To 4,000, Add	*0.38*	
		For >8,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 25,000, Deduct	*-0.19*	
		For >25,000, Deduct	*-0.26*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Cleanup	0.21	
		For Up To 500, Add	*0.41*	
		For >500 To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.25*	
		For >2,500 To 4,000, Add	*0.13*	
		For >8,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 25,000, Deduct	*-0.06*	
		For >25,000, Deduct	*-0.09*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	2.06	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.89	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.27	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.07*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.55	
		For Up To 100, Add	*4.88*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000, Deduct	*-0.24*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	3.82	
		For Up To 100, Add	*7.32*	
		For >100 To 250, Add	*1.83*	
		For >250 To 500, Add	*0.92*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.37*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.41	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	7.80	
		For Up To 100, Add	*15.50*	
		For >100 To 250, Add	*3.88*	
		For >250 To 500, Add	*1.94*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000, Deduct	*-0.78*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	12.09	
		For Up To 100, Add	*23.96*	
		For >100 To 250, Add	*5.99*	
		For >250 To 500, Add	*3.00*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000, Deduct	*-1.20*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.45	
		For Up To 100, Add	*2.62*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.33*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.13*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	5.03	
		For Up To 100, Add	*9.78*	
		For >100 To 250, Add	*2.45*	
		For >250 To 500, Add	*1.22*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	7.67	
		For Up To 100, Add	*15.06*	
		For >100 To 250, Add	*3.77*	
		For >250 To 500, Add	*1.88*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000, Deduct	*-0.75*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	7.17	
		For Up To 100, Add	*12.04*	
		For >100 To 250, Add	*3.01*	
		For >250 To 500, Add	*1.51*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.60*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	14.31	
		For Up To 100, Add	*24.04*	
		For >100 To 250, Add	*6.01*	
		For >250 To 500, Add	*3.01*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000, Deduct	*-1.20*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	4.28	
		For Up To 25, Add	*0.85*	
		For >25 To 50, Add	*0.50*	
		For >50 To 150, Add	*0.21*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	8.02	
		For Up To 25, Add	*1.57*	
		For >25 To 50, Add	*0.91*	
		For >50 To 150, Add	*0.38*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	11.26	
		For Up To 25, Add	*2.16*	
		For >25 To 50, Add	*1.25*	
		For >50 To 150, Add	*0.52*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	14.10	
		For Up To 25, Add	*2.65*	
		For >25 To 50, Add	*1.53*	
		For >50 To 150, Add	*0.62*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	18.78	
		For Up To 25, Add	*3.38*	
		For >25 To 50, Add	*1.94*	
		For >50 To 150, Add	*0.75*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.90	
		For Radius Or Irregular Surface, Add	*1.56*	
		For Up To 25, Add	*1.08*	
		For >25 To 50, Add	*0.64*	
		For >50 To 150, Add	*0.29*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	8.99	
		For Radius Or Irregular Surface, Add	*2.80*	
		For Up To 25, Add	*1.95*	
		For >25 To 50, Add	*1.15*	
		For >50 To 150, Add	*0.53*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.43	
		For Radius Or Irregular Surface, Add	*3.78*	
		For Up To 25, Add	*2.66*	
		For >25 To 50, Add	*1.57*	
		For >50 To 150, Add	*0.71*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.32	
		For Radius Or Irregular Surface, Add	*4.53*	
		For Up To 25, Add	*3.23*	
		For >25 To 50, Add	*1.90*	
		For >50 To 150, Add	*0.85*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck Or Trailer *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement Note: 95 CY per hour rating	298.41	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement Note: 117 CY per hour rating	321.13	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement Note: 117 CY per hour rating	403.17	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement Note: 117 CY per hour rating	454.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement Note: 170 CY per hour rating	506.96	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement Note: 170 CY per hour rating	618.59	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement Note: 170 CY per hour rating	685.19	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement Note: 182 CY per hour rating	846.50	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	213.47	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.44	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	43.53	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	191.32	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	47.13	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	46.22	5.69

03 48 54 Precast Concrete Blocks *(03 48)*

03 48 54 00-0001 Precast Interlocking Concrete Blocks *(03 48 54)*
Note: Includes lifting loop

03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	180.37	58.36
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	216.59	65.66
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	252.82	72.95
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	343.25	80.25
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	411.79	87.54

03 50 Cast Decks and Underlayment *(03)*

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*
Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	2.21	
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	3.80	
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	5.38	
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	6.96	
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	8.55	
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	10.20	
		For Up To 100 SF, Add	*0.24*	
		For >100 To 250 SF, Add	*0.12*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	13.37	
		For Up To 100 SF, Add	*0.24*	
		For >100 To 250 SF, Add	*0.12*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	16.60	
		For Up To 100 SF, Add	*0.27*	
		For >100 To 250 SF, Add	*0.13*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	19.77	
		For Up To 100 SF, Add	*0.27*	
		For >100 To 250 SF, Add	*0.13*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	23.08	
		For Up To 100 SF, Add	*0.34*	
		For >100 To 250 SF, Add	*0.17*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	580.81

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	36.11
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	52.44

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	53.30
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	83.59

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.79
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.62
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	4.80

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.05
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.34
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	7.11

03 62 16 Metallic Non-Shrink Grouting *(03 62)*

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases *(03 62 16)*

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	46.52
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	70.45

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints *(03 62 16)*

03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.37
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.98
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.98

03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.23
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.06
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	5.44

03 63 Epoxy Grouting *(03 60)*

03 63 00 00-0001 Spray On Concrete Epoxy Grout *(03 63)*
Note: (Sika 224) per thickness per coat.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.75	
		For Color, Add	*1.14*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	6.47	
		For Color, Add	*1.70*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	8.24	
		For Color, Add	*2.27*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.79	
		For Color, Add	*2.84*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	11.34	
		For Color, Add	*3.41*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	14.60	
		For Color, Add	*4.55*	

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting *(03 64)*

03 64 23 00-0001 Pressure Injected Epoxy Grout *(03 64 23)*

03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,392.04	
		For >4, Deduct	*-145.67*	

03 64 26 Cementitious Injection Grouting *(03 64)*

03 64 26 00-0001 Pressure Injected Cementitious Grout *(03 64 26)*

03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	255.65	
		For >4, Deduct	*-62.50*	

03 80 Concrete Cutting and Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes cleanup of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*
Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	26.06	
		For Up To 10, Add	*14.02*	
		For >10 To 50, Add	*7.01*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	35.50	
		For Up To 10, Add	*14.02*	
		For >10 To 50, Add	*7.01*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	45.76	
		For Up To 10, Add	*14.02*	
		For >10 To 50, Add	*7.01*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	28.11	
		For Up To 10, Add	*14.02*	
		For >10 To 50, Add	*7.01*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	39.14	
		For Up To 10, Add	*14.02*	
		For >10 To 50, Add	*7.01*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	51.21	
		For Up To 10, Add	*14.02*	
		For >10 To 50, Add	*7.01*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*
Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	75.86	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	81.22	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	205.70	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	75.86	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	81.22	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	87.33	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	98.79	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	205.70	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.78	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0023	EA		4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	85.12	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	
04 01 20 41-0024	EA		4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	230.04	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	
04 01 20 41-0025	EA		6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.78	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	
04 01 20 41-0026	EA		6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	85.12	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	
04 01 20 41-0027	EA		6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	92.19	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	
04 01 20 41-0028	EA		6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	105.61	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	
04 01 20 41-0029	EA		6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	230.04	
			For Up To 10, Add	*56.07*	
			For >10 To 50, Add	*28.04*	

04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0032	EA		4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.60	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0033	EA		5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.56	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0034	EA		6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0035	EA		7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.48	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0036	EA		8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.45	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0037	EA		9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.41	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0038	EA		4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.60	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0039	EA		5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.56	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0040	EA		6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0041	EA		7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.48	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0042	EA		8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.45	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0043	EA		10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.37	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0044	EA		4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.60	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0045	EA		6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.52	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0046	EA		8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.96	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	

04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0048	EA		4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.60	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	
04 01 20 41-0049	EA		5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.56	
			For Up To 10, Add	*8.41*	
			For >10 To 50, Add	*4.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.48	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.45	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.41	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.60	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.56	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.48	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.45	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.37	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.60	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.52	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.96	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	

04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.

04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.34	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.68	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.75	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.89	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.14	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.36	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.46	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.60	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.21	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.30	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.04	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.66	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.20	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.09	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.77	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.00	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.45	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.83	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.16	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.46	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.65	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.79	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.01	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.11	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.54	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.16	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.68	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.33	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.87	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.86	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.93	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.26	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.48	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.63	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.73	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.04	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.53	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.71	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.20	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.84	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.26	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.56	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.75	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.88	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.20	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.95	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*4.21*	
		For >10 To 50, Add	*2.11*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.88	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.32	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.40	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.58	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.89	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.15	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.29	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.46	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.10	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.21	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.13	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.91	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.59	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.94	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.85	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.64	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.11	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.53	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.95	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.33	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.57	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.73	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.01	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.13	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.64	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.33	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.98	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.80	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.22	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.34	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	27.18	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.14	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.38	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.55	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.69	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.07	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.69	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.89	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.49	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.76	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.29	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.66	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.90	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.07	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.46	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
		For Metal Stud Clip, Add	*2.95*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	6.38	
		For Up To 10, Add	*4.21*	
		For >10 To 50, Add	*2.11*	

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	10.00	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	10.04	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	10.29	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	10.36	
		For Up To 10, Add	*8.41*	
		For >10 To 50, Add	*4.21*	

04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.

04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	65.14	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	

04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	66.49	
		For Up To 10, Add	*56.07*	
		For >10 To 50, Add	*28.04*	

04 01 20 41-0170 Unit Masonry Stabilization *(04 01 20 41)*

04 01 20 41-0171 Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*

04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.	106.59	
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.	112.30	

04 01 20 51 Unit Masonry Maintenance *(04 01 20)*

04 01 20 51-0001 Repair Masonry *(04 01 20 51)*

Note: Includes mortar for repair.

04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping Note: Including Replacement Of Damaged Material	23.68	
04 01 20 51-0003	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	44.16	
		For Cracks Accessible From Both Sides, Add	*8.95*	
04 01 20 51-0004	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	39.87	
		For Cracks Accessible From Both Sides, Add	*8.95*	
04 01 20 51-0005	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	11.26	
		For V-Grooving Crack With Grinder, Add	*8.33*	
04 01 20 51-0006	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	14.94	
		For V-Grooving Crack With Grinder, Add	*7.90*	

04 01 20 51-0007 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0008	SF	Grind Smooth Masonry Wall	4.93	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

See CSI section 03 01 30 71-0053 for crack repair.

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	13.92	
		For Common Or American Bond, Add	*0.53*	
		For Flemish Bond, Add	*1.84*	
		For English Bond, Add	*3.02*	
		For >250 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-1.35*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	9.68	
		For Common Or American Bond, Add	*0.36*	
		For Flemish Bond, Add	*1.25*	
		For English Bond, Add	*2.05*	
		For >250 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.93*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	6.89	
		For Common Or American Bond, Add	*0.24*	
		For >250 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.65*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	4.94	
		For Common Or American Bond, Add	*0.17*	
		For >250 To 1,000, Deduct	*-0.21*	
		For >1,000, Deduct	*-0.46*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	4.20	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	10.12
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	20.22
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	30.33

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Portland Cement *(04 05 13 26)*

04 05 13 26-0002	CF	Type I, Normal Portland Cement	15.59
04 05 13 26-0003	CF	Type II, Modified Portland Cement	7.77
04 05 13 26-0004	CF	Type III, High Early Strength Portland Cement	8.25
04 05 13 26-0005	CF	Type I, White Non-Staining Portland Cement	17.28

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	5.63
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	6.13
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	6.82
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	7.59

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, (0.067 CF/SF) Grout Fill Block Solid	4.48
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, (0.175 CF/SF) Grout Fill Block Solid	6.42
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, (0.258 CF/SF) Grout Fill Block Solid	9.14
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, (0.34 CF/SF) Grout Fill Block Solid	11.21
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, (0.422 CF/SF) Grout Fill Block Solid	13.20

04 05 16 26-0012 Grout Cavity Walls, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, (0.167 CF/SF) Grout Fill	5.17
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, (0.250 CF/SF) Grout Fill	7.26
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, (0.333 CF/SF) Grout Fill	9.10
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, (0.500 CF/SF) Grout Fill	12.29

04 05 16 26-0017 Grout Frames, Grout Fill *(04 05 16 26)*

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	8.06
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	6.88

04 05 16 26-0020 Sand Filled Walls *(04 05 16 26)*

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, (0.167 CF/SF) Sand Fill	4.28
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, (0.250 CF/SF) Sand Fill	5.86
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, (0.333 CF/SF) Sand Fill	7.20
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, (0.500 CF/SF) Sand Fill	9.52

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing *(04 05 19 13)*

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.81	
		For Hot-Dipped Galvanized, Add	*12.44*	
		For Stainless Steel, Add	*49.76*	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.82	
		For Hot-Dipped Galvanized, Add	*13.07*	
		For Stainless Steel, Add	*52.26*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.57	
		For Hot-Dipped Galvanized, Add	*13.77*	
		For Stainless Steel, Add	*55.08*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.58	
		For Hot-Dipped Galvanized, Add	*14.57*	
		For Stainless Steel, Add	*58.28*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.96	
		For Hot-Dipped Galvanized, Add	*15.35*	
		For Stainless Steel, Add	*61.40*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.99	
		For Hot-Dipped Galvanized, Add	*15.74*	
		For Stainless Steel, Add	*62.94*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.08	
		For Hot-Dipped Galvanized, Add	*16.17*	
		For Stainless Steel, Add	*64.68*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	138.84	
		For Hot-Dipped Galvanized, Add	*22.23*	
		For Stainless Steel, Add	*88.92*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.73	
		For Hot-Dipped Galvanized, Add	*34.36*	
		For Stainless Steel, Add	*137.44*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.61	
		For Hot-Dipped Galvanized, Add	*19.34*	
		For Stainless Steel, Add	*77.34*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.77	
		For Hot-Dipped Galvanized, Add	*20.04*	
		For Stainless Steel, Add	*80.16*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.67	
		For Hot-Dipped Galvanized, Add	*20.82*	
		For Stainless Steel, Add	*83.28*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.53	
		For Hot-Dipped Galvanized, Add	*21.55*	
		For Stainless Steel, Add	*86.18*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.87	
		For Hot-Dipped Galvanized, Add	*22.31*	
		For Stainless Steel, Add	*89.22*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.95	
		For Hot-Dipped Galvanized, Add	*22.73*	
		For Stainless Steel, Add	*90.90*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.96	
		For Hot-Dipped Galvanized, Add	*23.11*	
		For Stainless Steel, Add	*92.42*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.17	
		For Hot-Dipped Galvanized, Add	*31.40*	
		For Stainless Steel, Add	*125.60*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.19	
		For Hot-Dipped Galvanized, Add	*50.10*	
		For Stainless Steel, Add	*200.38*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.98	
		For Hot-Dipped Galvanized, Add	*26.02*	
		For Stainless Steel, Add	*104.08*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.06	
		For Hot-Dipped Galvanized, Add	*27.45*	
		For Stainless Steel, Add	*109.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.14	
		For Hot-Dipped Galvanized, Add	*28.88*	
		For Stainless Steel, Add	*115.50*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.62	
		For Hot-Dipped Galvanized, Add	*30.59*	
		For Stainless Steel, Add	*122.36*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.04	
		For Hot-Dipped Galvanized, Add	*32.29*	
		For Stainless Steel, Add	*129.14*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.92	
		For Hot-Dipped Galvanized, Add	*33.20*	
		For Stainless Steel, Add	*132.80*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.01	
		For Hot-Dipped Galvanized, Add	*33.98*	
		For Stainless Steel, Add	*135.92*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	165.47	
		For Hot-Dipped Galvanized, Add	*35.55*	
		For Stainless Steel, Add	*142.18*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	218.11	
		For Hot-Dipped Galvanized, Add	*59.05*	
		For Stainless Steel, Add	*236.18*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.57	
		For Hot-Dipped Galvanized, Add	*28.32*	
		For Stainless Steel, Add	*113.26*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.57	
		For Hot-Dipped Galvanized, Add	*28.94*	
		For Stainless Steel, Add	*115.74*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.31	
		For Hot-Dipped Galvanized, Add	*29.64*	
		For Stainless Steel, Add	*118.56*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.32	
		For Hot-Dipped Galvanized, Add	*30.44*	
		For Stainless Steel, Add	*121.76*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.71	
		For Hot-Dipped Galvanized, Add	*31.22*	
		For Stainless Steel, Add	*124.88*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.72	
		For Hot-Dipped Galvanized, Add	*31.60*	
		For Stainless Steel, Add	*126.40*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.80	
		For Hot-Dipped Galvanized, Add	*32.04*	
		For Stainless Steel, Add	*128.14*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.57	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.38*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.36	
		For Hot-Dipped Galvanized, Add	*35.21*	
		For Stainless Steel, Add	*140.84*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.54	
		For Hot-Dipped Galvanized, Add	*35.92*	
		For Stainless Steel, Add	*143.68*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.43	
		For Hot-Dipped Galvanized, Add	*36.70*	
		For Stainless Steel, Add	*146.80*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.29	
		For Hot-Dipped Galvanized, Add	*37.43*	
		For Stainless Steel, Add	*149.70*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	154.64	
		For Hot-Dipped Galvanized, Add	*38.19*	
		For Stainless Steel, Add	*152.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	161.70	
		For Hot-Dipped Galvanized, Add	*38.61*	
		For Stainless Steel, Add	*154.42*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	166.72	
		For Hot-Dipped Galvanized, Add	*38.99*	
		For Stainless Steel, Add	*155.94*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	188.92	
		For Hot-Dipped Galvanized, Add	*47.28*	
		For Stainless Steel, Add	*189.10*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	231.94	
		For Hot-Dipped Galvanized, Add	*65.98*	
		For Stainless Steel, Add	*263.90*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	138.71	
		For Hot-Dipped Galvanized, Add	*41.89*	
		For Stainless Steel, Add	*167.54*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.80	
		For Hot-Dipped Galvanized, Add	*43.32*	
		For Stainless Steel, Add	*173.28*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.90	
		For Hot-Dipped Galvanized, Add	*44.76*	
		For Stainless Steel, Add	*179.02*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.36	
		For Hot-Dipped Galvanized, Add	*46.46*	
		For Stainless Steel, Add	*185.84*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	173.80	
		For Hot-Dipped Galvanized, Add	*48.17*	
		For Stainless Steel, Add	*192.66*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	182.66	
		For Hot-Dipped Galvanized, Add	*49.07*	
		For Stainless Steel, Add	*196.28*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	187.75	
		For Hot-Dipped Galvanized, Add	*49.85*	
		For Stainless Steel, Add	*199.40*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	197.20	
		For Hot-Dipped Galvanized, Add	*51.41*	
		For Stainless Steel, Add	*205.64*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	249.86	
		For Hot-Dipped Galvanized, Add	*74.92*	
		For Stainless Steel, Add	*299.68*	

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.32	
		For Hot-Dipped Galvanized, Add	*44.19*	
		For Stainless Steel, Add	*176.76*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	148.31	
		For Hot-Dipped Galvanized, Add	*44.81*	
		For Stainless Steel, Add	*179.22*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.06	
		For Hot-Dipped Galvanized, Add	*45.52*	
		For Stainless Steel, Add	*182.06*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.07	
		For Hot-Dipped Galvanized, Add	*46.32*	
		For Stainless Steel, Add	*185.26*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.46	
		For Hot-Dipped Galvanized, Add	*47.10*	
		For Stainless Steel, Add	*188.38*	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	179.47	
		For Hot-Dipped Galvanized, Add	*47.48*	
		For Stainless Steel, Add	*189.90*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	184.55	
		For Hot-Dipped Galvanized, Add	*47.91*	
		For Stainless Steel, Add	*191.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	202.32	
		For Hot-Dipped Galvanized, Add	*53.97*	
		For Stainless Steel, Add	*215.88*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	232.22	
		For Hot-Dipped Galvanized, Add	*66.11*	
		For Stainless Steel, Add	*264.42*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.11	
		For Hot-Dipped Galvanized, Add	*51.09*	
		For Stainless Steel, Add	*204.34*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.28	
		For Hot-Dipped Galvanized, Add	*51.79*	
		For Stainless Steel, Add	*207.16*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	169.17	
		For Hot-Dipped Galvanized, Add	*52.57*	
		For Stainless Steel, Add	*210.28*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	177.03	
		For Hot-Dipped Galvanized, Add	*53.30*	
		For Stainless Steel, Add	*213.18*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	186.39	
		For Hot-Dipped Galvanized, Add	*54.06*	
		For Stainless Steel, Add	*216.24*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	193.44	
		For Hot-Dipped Galvanized, Add	*54.48*	
		For Stainless Steel, Add	*217.90*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	198.46	
		For Hot-Dipped Galvanized, Add	*54.86*	
		For Stainless Steel, Add	*219.42*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	220.66	
		For Hot-Dipped Galvanized, Add	*63.15*	
		For Stainless Steel, Add	*252.58*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	263.69	
		For Hot-Dipped Galvanized, Add	*81.85*	
		For Stainless Steel, Add	*327.40*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.46	
		For Hot-Dipped Galvanized, Add	*57.76*	
		For Stainless Steel, Add	*231.04*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	177.54	
		For Hot-Dipped Galvanized, Add	*59.19*	
		For Stainless Steel, Add	*236.76*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	184.64	
		For Hot-Dipped Galvanized, Add	*60.63*	
		For Stainless Steel, Add	*242.50*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	195.10	
		For Hot-Dipped Galvanized, Add	*62.33*	
		For Stainless Steel, Add	*249.32*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	205.54	
		For Hot-Dipped Galvanized, Add	*64.04*	
		For Stainless Steel, Add	*256.14*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	214.41	
		For Hot-Dipped Galvanized, Add	*64.95*	
		For Stainless Steel, Add	*259.78*	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	219.50	
		For Hot-Dipped Galvanized, Add	*65.73*	
		For Stainless Steel, Add	*262.90*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	228.95	
		For Hot-Dipped Galvanized, Add	*67.29*	
		For Stainless Steel, Add	*269.14*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	281.61	
		For Hot-Dipped Galvanized, Add	*90.80*	
		For Stainless Steel, Add	*363.18*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	113.60	
		For Hot-Dipped Galvanized, Add	*21.15*	
		For Stainless Steel, Add	*84.58*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	125.41	
		For Hot-Dipped Galvanized, Add	*23.09*	
		For Stainless Steel, Add	*92.34*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	136.76	
		For Hot-Dipped Galvanized, Add	*24.80*	
		For Stainless Steel, Add	*99.20*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.67	
		For Hot-Dipped Galvanized, Add	*25.79*	
		For Stainless Steel, Add	*103.16*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.46	
		For Hot-Dipped Galvanized, Add	*26.71*	
		For Stainless Steel, Add	*106.82*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	163.67	
		For Hot-Dipped Galvanized, Add	*28.75*	
		For Stainless Steel, Add	*114.98*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	173.36	
		For Hot-Dipped Galvanized, Add	*30.42*	
		For Stainless Steel, Add	*121.68*	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	130.78	
		For Hot-Dipped Galvanized, Add	*29.74*	
		For Stainless Steel, Add	*118.94*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	142.63	
		For Hot-Dipped Galvanized, Add	*31.70*	
		For Stainless Steel, Add	*126.78*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	153.79	
		For Hot-Dipped Galvanized, Add	*33.32*	
		For Stainless Steel, Add	*133.26*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	163.89	
		For Hot-Dipped Galvanized, Add	*34.40*	
		For Stainless Steel, Add	*137.60*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	169.64	
		For Hot-Dipped Galvanized, Add	*35.30*	
		For Stainless Steel, Add	*141.18*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	180.85	
		For Hot-Dipped Galvanized, Add	*37.34*	
		For Stainless Steel, Add	*149.34*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	190.77	
		For Hot-Dipped Galvanized, Add	*39.13*	
		For Stainless Steel, Add	*156.50*	

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	139.12	
		For Hot-Dipped Galvanized, Add	*33.91*	
		For Stainless Steel, Add	*135.62*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.95	
		For Hot-Dipped Galvanized, Add	*36.86*	
		For Stainless Steel, Add	*147.42*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	166.66	
		For Hot-Dipped Galvanized, Add	*39.75*	
		For Stainless Steel, Add	*159.00*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	177.68	
		For Hot-Dipped Galvanized, Add	*41.30*	
		For Stainless Steel, Add	*165.18*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	184.46	
		For Hot-Dipped Galvanized, Add	*42.71*	
		For Stainless Steel, Add	*170.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	197.61	
		For Hot-Dipped Galvanized, Add	*45.72*	
		For Stainless Steel, Add	*182.86*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	209.85	
		For Hot-Dipped Galvanized, Add	*48.67*	
		For Stainless Steel, Add	*194.66*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	159.84	
		For Hot-Dipped Galvanized, Add	*44.27*	
		For Stainless Steel, Add	*177.06*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	170.48	
		For Hot-Dipped Galvanized, Add	*45.62*	
		For Stainless Steel, Add	*182.48*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	181.14	
		For Hot-Dipped Galvanized, Add	*46.99*	
		For Stainless Steel, Add	*187.96*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.08	
		For Hot-Dipped Galvanized, Add	*48.52*	
		For Stainless Steel, Add	*194.06*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	206.26	
		For Hot-Dipped Galvanized, Add	*50.04*	
		For Stainless Steel, Add	*200.16*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	217.24	
		For Hot-Dipped Galvanized, Add	*52.36*	
		For Stainless Steel, Add	*209.44*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.78	
		For Hot-Dipped Galvanized, Add	*57.74*	
		For Stainless Steel, Add	*230.94*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	197.45	
		For Hot-Dipped Galvanized, Add	*59.11*	
		For Stainless Steel, Add	*236.42*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	208.45	
		For Hot-Dipped Galvanized, Add	*60.65*	
		For Stainless Steel, Add	*242.58*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	223.05	
		For Hot-Dipped Galvanized, Add	*62.00*	
		For Stainless Steel, Add	*248.00*	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	233.27	
		For Hot-Dipped Galvanized, Add	*63.55*	
		For Stainless Steel, Add	*254.18*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	242.69	
		For Hot-Dipped Galvanized, Add	*65.09*	
		For Stainless Steel, Add	*260.34*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	188.76	
		For Hot-Dipped Galvanized, Add	*58.73*	
		For Stainless Steel, Add	*234.90*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.92	
		For Hot-Dipped Galvanized, Add	*60.84*	
		For Stainless Steel, Add	*243.36*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	213.03	
		For Hot-Dipped Galvanized, Add	*62.94*	
		For Stainless Steel, Add	*251.74*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	229.98	
		For Hot-Dipped Galvanized, Add	*65.47*	
		For Stainless Steel, Add	*261.86*	

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04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	242.14	
		For Hot-Dipped Galvanized, Add	*67.98*	
		For Stainless Steel, Add	*271.92*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	253.47	
		For Hot-Dipped Galvanized, Add	*70.48*	
		For Stainless Steel, Add	*281.90*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	172.80	
		For Hot-Dipped Galvanized, Add	*46.78*	
		For Stainless Steel, Add	*187.12*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	183.39	
		For Hot-Dipped Galvanized, Add	*48.12*	
		For Stainless Steel, Add	*192.46*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	197.94	
		For Hot-Dipped Galvanized, Add	*49.45*	
		For Stainless Steel, Add	*197.78*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.24	
		For Hot-Dipped Galvanized, Add	*51.03*	
		For Stainless Steel, Add	*204.12*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	217.62	
		For Hot-Dipped Galvanized, Add	*52.55*	
		For Stainless Steel, Add	*210.20*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.16	
		For Hot-Dipped Galvanized, Add	*55.62*	
		For Stainless Steel, Add	*222.48*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.77	
		For Hot-Dipped Galvanized, Add	*60.27*	
		For Stainless Steel, Add	*241.06*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	210.40	
		For Hot-Dipped Galvanized, Add	*61.62*	
		For Stainless Steel, Add	*246.48*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	225.34	
		For Hot-Dipped Galvanized, Add	*63.15*	
		For Stainless Steel, Add	*252.58*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	235.17	
		For Hot-Dipped Galvanized, Add	*64.50*	
		For Stainless Steel, Add	*257.98*	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	244.60	
		For Hot-Dipped Galvanized, Add	*66.04*	
		For Stainless Steel, Add	*264.16*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	255.47	
		For Hot-Dipped Galvanized, Add	*69.28*	
		For Stainless Steel, Add	*277.10*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	201.68	
		For Hot-Dipped Galvanized, Add	*61.22*	
		For Stainless Steel, Add	*244.88*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	213.83	
		For Hot-Dipped Galvanized, Add	*63.34*	
		For Stainless Steel, Add	*253.34*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	229.98	
		For Hot-Dipped Galvanized, Add	*65.47*	
		For Stainless Steel, Add	*261.86*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	242.14	
		For Hot-Dipped Galvanized, Add	*67.98*	
		For Stainless Steel, Add	*271.92*	

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04 05 19 13-0160		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	253.47	
			For Hot-Dipped Galvanized, Add	*70.48*	
			For Stainless Steel, Add	*281.90*	
04 05 19 13-0161		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	265.03	
			For Hot-Dipped Galvanized, Add	*74.06*	
			For Stainless Steel, Add	*296.22*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	163.93	
			For Hot-Dipped Galvanized, Add	*42.35*	
			For Stainless Steel, Add	*169.38*	
			For Seismic Hook And Eye, Add	*18.21*	
04 05 19 13-0165		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	174.05	
			For Hot-Dipped Galvanized, Add	*43.45*	
			For Stainless Steel, Add	*173.78*	
			For Seismic Hook And Eye, Add	*18.68*	
04 05 19 13-0166		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	188.31	
			For Hot-Dipped Galvanized, Add	*44.63*	
			For Stainless Steel, Add	*178.52*	
			For Seismic Hook And Eye, Add	*19.19*	
04 05 19 13-0167		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	197.95	
			For Hot-Dipped Galvanized, Add	*45.89*	
			For Stainless Steel, Add	*183.54*	
			For Seismic Hook And Eye, Add	*19.73*	
04 05 19 13-0168		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	206.92	
			For Hot-Dipped Galvanized, Add	*47.20*	
			For Stainless Steel, Add	*188.80*	
			For Seismic Hook And Eye, Add	*20.30*	
04 05 19 13-0169		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	213.68	
			For Hot-Dipped Galvanized, Add	*48.38*	
			For Stainless Steel, Add	*193.52*	
			For Seismic Hook And Eye, Add	*20.80*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	189.22	
			For Hot-Dipped Galvanized, Add	*54.99*	
			For Stainless Steel, Add	*219.96*	
			For Seismic Hook And Eye, Add	*23.65*	
04 05 19 13-0172		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	198.85	
			For Hot-Dipped Galvanized, Add	*55.85*	
			For Stainless Steel, Add	*223.38*	
			For Seismic Hook And Eye, Add	*24.01*	
04 05 19 13-0173		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	213.18	
			For Hot-Dipped Galvanized, Add	*57.07*	
			For Stainless Steel, Add	*228.26*	
			For Seismic Hook And Eye, Add	*24.54*	
04 05 19 13-0174		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	222.67	
			For Hot-Dipped Galvanized, Add	*58.25*	
			For Stainless Steel, Add	*232.98*	
			For Seismic Hook And Eye, Add	*25.05*	
04 05 19 13-0175		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	231.38	
			For Hot-Dipped Galvanized, Add	*59.43*	
			For Stainless Steel, Add	*237.72*	
			For Seismic Hook And Eye, Add	*25.55*	
04 05 19 13-0176		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	240.88	
			For Hot-Dipped Galvanized, Add	*61.98*	
			For Stainless Steel, Add	*247.92*	
			For Seismic Hook And Eye, Add	*26.65*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	191.09	
			For Hot-Dipped Galvanized, Add	*55.93*	
			For Stainless Steel, Add	*223.70*	
			For Seismic Hook And Eye, Add	*24.05*	

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04 05 19 13-0179		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	203.05	
			For Hot-Dipped Galvanized, Add	*57.95*	
			For Stainless Steel, Add	*231.78*	
			For Seismic Hook And Eye, Add	*24.92*	
04 05 19 13-0180		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	218.94	
			For Hot-Dipped Galvanized, Add	*59.95*	
			For Stainless Steel, Add	*239.78*	
			For Seismic Hook And Eye, Add	*25.78*	
04 05 19 13-0181		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	230.87	
			For Hot-Dipped Galvanized, Add	*62.35*	
			For Stainless Steel, Add	*249.38*	
			For Seismic Hook And Eye, Add	*26.81*	
04 05 19 13-0182		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	242.01	
			For Hot-Dipped Galvanized, Add	*64.75*	
			For Stainless Steel, Add	*258.98*	
			For Seismic Hook And Eye, Add	*27.84*	
04 05 19 13-0183		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	251.17	
			For Hot-Dipped Galvanized, Add	*67.13*	
			For Stainless Steel, Add	*268.50*	
			For Seismic Hook And Eye, Add	*28.86*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	176.87	
			For Hot-Dipped Galvanized, Add	*44.86*	
			For Stainless Steel, Add	*179.42*	
			For Seismic Hook And Eye, Add	*19.29*	
04 05 19 13-0187		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.94	
			For Hot-Dipped Galvanized, Add	*45.95*	
			For Stainless Steel, Add	*183.78*	
			For Seismic Hook And Eye, Add	*19.76*	
04 05 19 13-0188		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	200.24	
			For Hot-Dipped Galvanized, Add	*47.03*	
			For Stainless Steel, Add	*188.12*	
			For Seismic Hook And Eye, Add	*20.22*	
04 05 19 13-0189		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	209.36	
			For Hot-Dipped Galvanized, Add	*48.42*	
			For Stainless Steel, Add	*193.68*	
			For Seismic Hook And Eye, Add	*20.82*	
04 05 19 13-0190		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	216.27	
			For Hot-Dipped Galvanized, Add	*49.68*	
			For Stainless Steel, Add	*198.70*	
			For Seismic Hook And Eye, Add	*21.36*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	201.25	
			For Hot-Dipped Galvanized, Add	*57.05*	
			For Stainless Steel, Add	*228.18*	
			For Seismic Hook And Eye, Add	*24.53*	
04 05 19 13-0193		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	215.51	
			For Hot-Dipped Galvanized, Add	*58.23*	
			For Stainless Steel, Add	*232.92*	
			For Seismic Hook And Eye, Add	*25.04*	
04 05 19 13-0194		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	225.15	
			For Hot-Dipped Galvanized, Add	*59.49*	
			For Stainless Steel, Add	*237.94*	
			For Seismic Hook And Eye, Add	*25.58*	
04 05 19 13-0195		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	233.51	
			For Hot-Dipped Galvanized, Add	*60.50*	
			For Stainless Steel, Add	*241.98*	
			For Seismic Hook And Eye, Add	*26.01*	
04 05 19 13-0196		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	240.65	
			For Hot-Dipped Galvanized, Add	*61.87*	
			For Stainless Steel, Add	*247.46*	
			For Seismic Hook And Eye, Add	*26.60*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0197		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	203.77	
		For Hot-Dipped Galvanized, Add	*58.31*	
		For Stainless Steel, Add	*233.22*	
		For Seismic Hook And Eye, Add	*25.07*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	219.70	
		For Hot-Dipped Galvanized, Add	*60.33*	
		For Stainless Steel, Add	*241.30*	
		For Seismic Hook And Eye, Add	*25.94*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	230.87	
		For Hot-Dipped Galvanized, Add	*62.35*	
		For Stainless Steel, Add	*249.38*	
		For Seismic Hook And Eye, Add	*26.81*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	242.01	
		For Hot-Dipped Galvanized, Add	*64.75*	
		For Stainless Steel, Add	*258.98*	
		For Seismic Hook And Eye, Add	*27.84*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	251.17	
		For Hot-Dipped Galvanized, Add	*67.13*	
		For Stainless Steel, Add	*268.50*	
		For Seismic Hook And Eye, Add	*28.86*	
04 05 19 13-0203		Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0204		Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0205		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.21	
		For Hot-Dipped Galvanized, Add	*17.64*	
		For Stainless Steel, Add	*70.56*	
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.35	
		For Hot-Dipped Galvanized, Add	*17.83*	
		For Stainless Steel, Add	*71.32*	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.10	
		For Hot-Dipped Galvanized, Add	*18.54*	
		For Stainless Steel, Add	*74.14*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.34	
		For Hot-Dipped Galvanized, Add	*19.45*	
		For Stainless Steel, Add	*77.80*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.21	
		For Hot-Dipped Galvanized, Add	*20.48*	
		For Stainless Steel, Add	*81.90*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.58	
		For Hot-Dipped Galvanized, Add	*21.03*	
		For Stainless Steel, Add	*84.12*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.71	
		For Hot-Dipped Galvanized, Add	*21.83*	
		For Stainless Steel, Add	*87.32*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.70	
		For Hot-Dipped Galvanized, Add	*30.67*	
		For Stainless Steel, Add	*122.66*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.84	
		For Hot-Dipped Galvanized, Add	*32.42*	
		For Stainless Steel, Add	*129.68*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	219.21	
		For Hot-Dipped Galvanized, Add	*56.08*	
		For Stainless Steel, Add	*224.30*	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.85	
		For Hot-Dipped Galvanized, Add	*24.46*	
		For Stainless Steel, Add	*97.82*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.29	
		For Hot-Dipped Galvanized, Add	*24.80*	
		For Stainless Steel, Add	*99.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.04	
		For Hot-Dipped Galvanized, Add	*25.51*	
		For Stainless Steel, Add	*102.02*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.24	
		For Hot-Dipped Galvanized, Add	*26.40*	
		For Stainless Steel, Add	*105.60*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.93	
		For Hot-Dipped Galvanized, Add	*27.34*	
		For Stainless Steel, Add	*109.34*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.46	
		For Hot-Dipped Galvanized, Add	*27.98*	
		For Stainless Steel, Add	*111.92*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.38	
		For Hot-Dipped Galvanized, Add	*28.67*	
		For Stainless Steel, Add	*114.66*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.06	
		For Hot-Dipped Galvanized, Add	*39.85*	
		For Stainless Steel, Add	*159.38*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.20	
		For Hot-Dipped Galvanized, Add	*41.60*	
		For Stainless Steel, Add	*166.40*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	257.18	
		For Hot-Dipped Galvanized, Add	*78.59*	
		For Stainless Steel, Add	*314.36*	

04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.73	
		For Hot-Dipped Galvanized, Add	*34.90*	
		For Stainless Steel, Add	*139.58*	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.83	
		For Hot-Dipped Galvanized, Add	*35.34*	
		For Stainless Steel, Add	*141.34*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.65	
		For Hot-Dipped Galvanized, Add	*36.63*	
		For Stainless Steel, Add	*146.52*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.24	
		For Hot-Dipped Galvanized, Add	*38.40*	
		For Stainless Steel, Add	*153.60*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.69	
		For Hot-Dipped Galvanized, Add	*40.61*	
		For Stainless Steel, Add	*162.44*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.76	
		For Hot-Dipped Galvanized, Add	*41.62*	
		For Stainless Steel, Add	*166.48*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.30	
		For Hot-Dipped Galvanized, Add	*43.13*	
		For Stainless Steel, Add	*172.50*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	215.45	
		For Hot-Dipped Galvanized, Add	*60.54*	
		For Stainless Steel, Add	*242.14*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	227.94	
		For Hot-Dipped Galvanized, Add	*63.96*	
		For Stainless Steel, Add	*255.84*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	328.24	
		For Hot-Dipped Galvanized, Add	*110.59*	
		For Stainless Steel, Add	*442.36*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.57	
		For Hot-Dipped Galvanized, Add	*28.32*	
		For Stainless Steel, Add	*113.26*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.57	
		For Hot-Dipped Galvanized, Add	*28.94*	
		For Stainless Steel, Add	*115.74*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.31	
		For Hot-Dipped Galvanized, Add	*29.64*	
		For Stainless Steel, Add	*118.56*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0242		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.32	
			For Hot-Dipped Galvanized, Add	*30.44*	
			For Stainless Steel, Add	*121.76*	
04 05 19 13-0243		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.71	
			For Hot-Dipped Galvanized, Add	*31.22*	
			For Stainless Steel, Add	*124.88*	
04 05 19 13-0244		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.72	
			For Hot-Dipped Galvanized, Add	*31.60*	
			For Stainless Steel, Add	*126.40*	
04 05 19 13-0245		CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.80	
			For Hot-Dipped Galvanized, Add	*32.04*	
			For Stainless Steel, Add	*128.14*	
04 05 19 13-0246		CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.57	
			For Hot-Dipped Galvanized, Add	*38.10*	
			For Stainless Steel, Add	*152.38*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248		CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.36	
			For Hot-Dipped Galvanized, Add	*35.21*	
			For Stainless Steel, Add	*140.84*	
04 05 19 13-0249		CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.54	
			For Hot-Dipped Galvanized, Add	*35.92*	
			For Stainless Steel, Add	*143.68*	
04 05 19 13-0250		CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.43	
			For Hot-Dipped Galvanized, Add	*36.70*	
			For Stainless Steel, Add	*146.80*	
04 05 19 13-0251		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.29	
			For Hot-Dipped Galvanized, Add	*37.43*	
			For Stainless Steel, Add	*149.70*	
04 05 19 13-0252		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.64	
			For Hot-Dipped Galvanized, Add	*38.19*	
			For Stainless Steel, Add	*152.74*	
04 05 19 13-0253		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.70	
			For Hot-Dipped Galvanized, Add	*38.61*	
			For Stainless Steel, Add	*154.42*	
04 05 19 13-0254		CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	166.72	
			For Hot-Dipped Galvanized, Add	*38.99*	
			For Stainless Steel, Add	*155.94*	
04 05 19 13-0255		CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	188.92	
			For Hot-Dipped Galvanized, Add	*47.28*	
			For Stainless Steel, Add	*189.10*	
04 05 19 13-0256		CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	231.94	
			For Hot-Dipped Galvanized, Add	*65.98*	
			For Stainless Steel, Add	*263.90*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258		CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.71	
			For Hot-Dipped Galvanized, Add	*41.89*	
			For Stainless Steel, Add	*167.54*	
04 05 19 13-0259		CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.80	
			For Hot-Dipped Galvanized, Add	*43.32*	
			For Stainless Steel, Add	*173.28*	
04 05 19 13-0260		CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.90	
			For Hot-Dipped Galvanized, Add	*44.76*	
			For Stainless Steel, Add	*179.02*	
04 05 19 13-0261		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.36	
			For Hot-Dipped Galvanized, Add	*46.46*	
			For Stainless Steel, Add	*185.84*	
04 05 19 13-0262		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	173.80	
			For Hot-Dipped Galvanized, Add	*48.17*	
			For Stainless Steel, Add	*192.66*	
04 05 19 13-0263		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	182.66	
			For Hot-Dipped Galvanized, Add	*49.07*	
			For Stainless Steel, Add	*196.28*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		187.75	
		For Hot-Dipped Galvanized, Add		*49.85*	
		For Stainless Steel, Add		*199.40*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		197.20	
		For Hot-Dipped Galvanized, Add		*51.41*	
		For Stainless Steel, Add		*205.64*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		249.86	
		For Hot-Dipped Galvanized, Add		*74.92*	
		For Stainless Steel, Add		*299.68*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		143.32	
		For Hot-Dipped Galvanized, Add		*44.19*	
		For Stainless Steel, Add		*176.76*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		148.31	
		For Hot-Dipped Galvanized, Add		*44.81*	
		For Stainless Steel, Add		*179.22*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		155.06	
		For Hot-Dipped Galvanized, Add		*45.52*	
		For Stainless Steel, Add		*182.06*	
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		163.07	
		For Hot-Dipped Galvanized, Add		*46.32*	
		For Stainless Steel, Add		*185.26*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		172.46	
		For Hot-Dipped Galvanized, Add		*47.10*	
		For Stainless Steel, Add		*188.38*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		179.47	
		For Hot-Dipped Galvanized, Add		*47.48*	
		For Stainless Steel, Add		*189.90*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		184.55	
		For Hot-Dipped Galvanized, Add		*47.91*	
		For Stainless Steel, Add		*191.64*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		202.32	
		For Hot-Dipped Galvanized, Add		*53.97*	
		For Stainless Steel, Add		*215.88*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		232.22	
		For Hot-Dipped Galvanized, Add		*66.11*	
		For Stainless Steel, Add		*264.42*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		170.46	
		For Hot-Dipped Galvanized, Add		*57.76*	
		For Stainless Steel, Add		*231.04*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		177.54	
		For Hot-Dipped Galvanized, Add		*59.19*	
		For Stainless Steel, Add		*236.76*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		184.64	
		For Hot-Dipped Galvanized, Add		*60.63*	
		For Stainless Steel, Add		*242.50*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		195.10	
		For Hot-Dipped Galvanized, Add		*62.33*	
		For Stainless Steel, Add		*249.32*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		205.54	
		For Hot-Dipped Galvanized, Add		*64.04*	
		For Stainless Steel, Add		*256.14*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		214.41	
		For Hot-Dipped Galvanized, Add		*64.95*	
		For Stainless Steel, Add		*259.78*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		219.50	
		For Hot-Dipped Galvanized, Add		*65.73*	
		For Stainless Steel, Add		*262.90*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		228.95	
		For Hot-Dipped Galvanized, Add		*67.29*	
		For Stainless Steel, Add		*269.14*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0286		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	281.61	
			For Hot-Dipped Galvanized, Add	*90.80*	
			For Stainless Steel, Add	*363.18*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288		CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.11	
			For Hot-Dipped Galvanized, Add	*51.09*	
			For Stainless Steel, Add	*204.34*	
04 05 19 13-0289		CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.28	
			For Hot-Dipped Galvanized, Add	*51.79*	
			For Stainless Steel, Add	*207.16*	
04 05 19 13-0290		CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.17	
			For Hot-Dipped Galvanized, Add	*52.57*	
			For Stainless Steel, Add	*210.28*	
04 05 19 13-0291		CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.03	
			For Hot-Dipped Galvanized, Add	*53.30*	
			For Stainless Steel, Add	*213.18*	
04 05 19 13-0292		CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.39	
			For Hot-Dipped Galvanized, Add	*54.06*	
			For Stainless Steel, Add	*216.24*	
04 05 19 13-0293		CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	193.44	
			For Hot-Dipped Galvanized, Add	*54.48*	
			For Stainless Steel, Add	*217.90*	
04 05 19 13-0294		CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	198.46	
			For Hot-Dipped Galvanized, Add	*54.86*	
			For Stainless Steel, Add	*219.42*	
04 05 19 13-0295		CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	220.66	
			For Hot-Dipped Galvanized, Add	*63.15*	
			For Stainless Steel, Add	*252.58*	
04 05 19 13-0296		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	263.69	
			For Hot-Dipped Galvanized, Add	*81.85*	
			For Stainless Steel, Add	*327.40*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299		CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	126.59	
			For Hot-Dipped Galvanized, Add	*27.64*	
			For Stainless Steel, Add	*110.56*	
04 05 19 13-0300		CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	137.18	
			For Hot-Dipped Galvanized, Add	*28.97*	
			For Stainless Steel, Add	*115.88*	
04 05 19 13-0301		CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	148.49	
			For Hot-Dipped Galvanized, Add	*30.67*	
			For Stainless Steel, Add	*122.66*	
04 05 19 13-0302		CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	158.75	
			For Hot-Dipped Galvanized, Add	*31.83*	
			For Stainless Steel, Add	*127.32*	
04 05 19 13-0303		CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	164.65	
			For Hot-Dipped Galvanized, Add	*32.80*	
			For Stainless Steel, Add	*131.20*	
04 05 19 13-0304		CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	176.47	
			For Hot-Dipped Galvanized, Add	*35.15*	
			For Stainless Steel, Add	*140.58*	
04 05 19 13-0305		CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	187.49	
			For Hot-Dipped Galvanized, Add	*37.49*	
			For Stainless Steel, Add	*149.94*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	143.80	
			For Hot-Dipped Galvanized, Add	*36.25*	
			For Stainless Steel, Add	*144.98*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		154.44	
		For Hot-Dipped Galvanized, Add		*37.60*	
		For Stainless Steel, Add		*150.40*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		165.67	
		For Hot-Dipped Galvanized, Add		*39.26*	
		For Stainless Steel, Add		*157.02*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		175.97	
		For Hot-Dipped Galvanized, Add		*40.44*	
		For Stainless Steel, Add		*161.76*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		181.75	
		For Hot-Dipped Galvanized, Add		*41.35*	
		For Stainless Steel, Add		*165.40*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		193.61	
		For Hot-Dipped Galvanized, Add		*43.72*	
		For Stainless Steel, Add		*174.86*	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		204.71	
		For Hot-Dipped Galvanized, Add		*46.10*	
		For Stainless Steel, Add		*184.38*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		159.77	
		For Hot-Dipped Galvanized, Add		*44.23*	
		For Stainless Steel, Add		*176.92*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		171.89	
		For Hot-Dipped Galvanized, Add		*46.33*	
		For Stainless Steel, Add		*185.30*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		185.56	
		For Hot-Dipped Galvanized, Add		*49.20*	
		For Stainless Steel, Add		*196.80*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		196.61	
		For Hot-Dipped Galvanized, Add		*50.76*	
		For Stainless Steel, Add		*203.04*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		203.70	
		For Hot-Dipped Galvanized, Add		*52.33*	
		For Stainless Steel, Add		*209.30*	
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		217.87	
		For Hot-Dipped Galvanized, Add		*55.85*	
		For Stainless Steel, Add		*223.38*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		230.04	
		For Hot-Dipped Galvanized, Add		*58.76*	
		For Stainless Steel, Add		*235.04*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		180.26	
		For Hot-Dipped Galvanized, Add		*54.48*	
		For Stainless Steel, Add		*217.90*	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		188.95	
		For Hot-Dipped Galvanized, Add		*54.86*	
		For Stainless Steel, Add		*219.42*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		199.54	
		For Hot-Dipped Galvanized, Add		*56.19*	
		For Stainless Steel, Add		*224.76*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		214.97	
		For Hot-Dipped Galvanized, Add		*57.96*	
		For Stainless Steel, Add		*231.84*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		226.29	
		For Hot-Dipped Galvanized, Add		*60.06*	
		For Stainless Steel, Add		*240.22*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		237.74	
		For Hot-Dipped Galvanized, Add		*62.61*	
		For Stainless Steel, Add		*250.44*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0330			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0331	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	206.89	
			For Hot-Dipped Galvanized, Add	*67.79*	
			For Stainless Steel, Add	*271.16*	
04 05 19 13-0332	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	215.96	
			For Hot-Dipped Galvanized, Add	*68.36*	
			For Stainless Steel, Add	*273.44*	
04 05 19 13-0333	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	226.55	
			For Hot-Dipped Galvanized, Add	*69.70*	
			For Stainless Steel, Add	*278.78*	
04 05 19 13-0334	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	241.91	
			For Hot-Dipped Galvanized, Add	*71.43*	
			For Stainless Steel, Add	*285.72*	
04 05 19 13-0335	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	252.88	
			For Hot-Dipped Galvanized, Add	*73.35*	
			For Stainless Steel, Add	*293.40*	
04 05 19 13-0336	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	263.11	
			For Hot-Dipped Galvanized, Add	*75.30*	
			For Stainless Steel, Add	*301.18*	
04 05 19 13-0337			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0338	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.48	
			For Hot-Dipped Galvanized, Add	*75.09*	
			For Stainless Steel, Add	*300.34*	
04 05 19 13-0339	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	230.55	
			For Hot-Dipped Galvanized, Add	*75.66*	
			For Stainless Steel, Add	*302.62*	
04 05 19 13-0340	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	242.66	
			For Hot-Dipped Galvanized, Add	*77.75*	
			For Stainless Steel, Add	*311.00*	
04 05 19 13-0341	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	260.04	
			For Hot-Dipped Galvanized, Add	*80.50*	
			For Stainless Steel, Add	*321.98*	
04 05 19 13-0342	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	274.10	
			For Hot-Dipped Galvanized, Add	*83.96*	
			For Stainless Steel, Add	*335.84*	
04 05 19 13-0343	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	288.14	
			For Hot-Dipped Galvanized, Add	*87.81*	
			For Stainless Steel, Add	*351.24*	
04 05 19 13-0344			Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0345			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0346	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	193.26	
			For Hot-Dipped Galvanized, Add	*57.01*	
			For Stainless Steel, Add	*228.04*	
04 05 19 13-0347	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	201.98	
			For Hot-Dipped Galvanized, Add	*57.41*	
			For Stainless Steel, Add	*229.64*	
04 05 19 13-0348	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	216.46	
			For Hot-Dipped Galvanized, Add	*58.71*	
			For Stainless Steel, Add	*234.82*	
04 05 19 13-0349	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	227.09	
			For Hot-Dipped Galvanized, Add	*60.46*	
			For Stainless Steel, Add	*241.82*	
04 05 19 13-0350	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	237.70	
			For Hot-Dipped Galvanized, Add	*62.59*	
			For Stainless Steel, Add	*250.36*	
04 05 19 13-0351	CLF		#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	246.44	
			For Hot-Dipped Galvanized, Add	*64.76*	
			For Stainless Steel, Add	*259.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	219.81	
		For Hot-Dipped Galvanized, Add	*70.29*	
		For Stainless Steel, Add	*281.14*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.87	
		For Hot-Dipped Galvanized, Add	*70.86*	
		For Stainless Steel, Add	*283.42*	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	243.43	
		For Hot-Dipped Galvanized, Add	*72.19*	
		For Stainless Steel, Add	*288.76*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	254.06	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.76*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	264.25	
		For Hot-Dipped Galvanized, Add	*75.87*	
		For Stainless Steel, Add	*303.46*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	273.22	
		For Hot-Dipped Galvanized, Add	*78.15*	
		For Stainless Steel, Add	*312.60*	
04 05 19 13-0359		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	234.44	
		For Hot-Dipped Galvanized, Add	*77.60*	
		For Stainless Steel, Add	*310.40*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	243.46	
		For Hot-Dipped Galvanized, Add	*78.15*	
		For Stainless Steel, Add	*312.60*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	259.62	
		For Hot-Dipped Galvanized, Add	*80.29*	
		For Stainless Steel, Add	*321.14*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	272.20	
		For Hot-Dipped Galvanized, Add	*83.01*	
		For Stainless Steel, Add	*332.04*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	285.43	
		For Hot-Dipped Galvanized, Add	*86.46*	
		For Stainless Steel, Add	*345.82*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	295.09	
		For Hot-Dipped Galvanized, Add	*89.09*	
		For Stainless Steel, Add	*356.34*	
04 05 19 13-0366		Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0367		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	183.01	
		For Hot-Dipped Galvanized, Add	*51.89*	
		For Stainless Steel, Add	*207.54*	
		For Seismic Hook And Eye, Add	*22.31*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	191.65	
		For Hot-Dipped Galvanized, Add	*52.25*	
		For Stainless Steel, Add	*208.98*	
		For Seismic Hook And Eye, Add	*22.47*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	205.79	
		For Hot-Dipped Galvanized, Add	*53.37*	
		For Stainless Steel, Add	*213.48*	
		For Seismic Hook And Eye, Add	*22.95*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	216.16	
		For Hot-Dipped Galvanized, Add	*54.99*	
		For Stainless Steel, Add	*219.96*	
		For Seismic Hook And Eye, Add	*23.65*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	225.85	
		For Hot-Dipped Galvanized, Add	*56.67*	
		For Stainless Steel, Add	*226.66*	
		For Seismic Hook And Eye, Add	*24.37*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	234.37	
		For Hot-Dipped Galvanized, Add	*58.73*	
		For Stainless Steel, Add	*234.90*	
		For Seismic Hook And Eye, Add	*25.25*	

04 05 19 13-0374 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	207.47	
		For Hot-Dipped Galvanized, Add	*64.12*	
		For Stainless Steel, Add	*256.46*	
		For Seismic Hook And Eye, Add	*27.57*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	216.38	
		For Hot-Dipped Galvanized, Add	*64.61*	
		For Stainless Steel, Add	*258.44*	
		For Seismic Hook And Eye, Add	*27.78*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	230.33	
		For Hot-Dipped Galvanized, Add	*65.64*	
		For Stainless Steel, Add	*262.56*	
		For Seismic Hook And Eye, Add	*28.23*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	240.54	
		For Hot-Dipped Galvanized, Add	*67.18*	
		For Stainless Steel, Add	*268.72*	
		For Seismic Hook And Eye, Add	*28.89*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	250.20	
		For Hot-Dipped Galvanized, Add	*68.84*	
		For Stainless Steel, Add	*275.36*	
		For Seismic Hook And Eye, Add	*29.60*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	258.25	
		For Hot-Dipped Galvanized, Add	*70.67*	
		For Stainless Steel, Add	*282.66*	
		For Seismic Hook And Eye, Add	*30.39*	

04 05 19 13-0381 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	222.25	
		For Hot-Dipped Galvanized, Add	*71.51*	
		For Stainless Steel, Add	*286.02*	
		For Seismic Hook And Eye, Add	*30.75*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	231.27	
		For Hot-Dipped Galvanized, Add	*72.06*	
		For Stainless Steel, Add	*288.22*	
		For Seismic Hook And Eye, Add	*30.98*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	247.16	
		For Hot-Dipped Galvanized, Add	*74.06*	
		For Stainless Steel, Add	*296.22*	
		For Seismic Hook And Eye, Add	*31.84*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	259.51	
		For Hot-Dipped Galvanized, Add	*76.67*	
		For Stainless Steel, Add	*306.66*	
		For Seismic Hook And Eye, Add	*32.97*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	272.44	
		For Hot-Dipped Galvanized, Add	*79.96*	
		For Stainless Steel, Add	*319.84*	
		For Seismic Hook And Eye, Add	*34.38*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	284.16	
		For Hot-Dipped Galvanized, Add	*83.62*	
		For Stainless Steel, Add	*334.48*	
		For Seismic Hook And Eye, Add	*35.96*	

04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*

04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	195.81	
		For Hot-Dipped Galvanized, Add	*54.33*	
		For Stainless Steel, Add	*217.30*	
		For Seismic Hook And Eye, Add	*23.36*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	208.46	
		For Hot-Dipped Galvanized, Add	*54.71*	
		For Stainless Steel, Add	*218.82*	
		For Seismic Hook And Eye, Add	*23.52*	
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	217.99	
		For Hot-Dipped Galvanized, Add	*55.91*	
		For Stainless Steel, Add	*223.62*	
		For Seismic Hook And Eye, Add	*24.04*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	227.76	
		For Hot-Dipped Galvanized, Add	*57.62*	
		For Stainless Steel, Add	*230.48*	
		For Seismic Hook And Eye, Add	*24.78*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	236.12	
		For Hot-Dipped Galvanized, Add	*59.60*	
		For Stainless Steel, Add	*238.40*	
		For Seismic Hook And Eye, Add	*25.63*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	222.17	
		For Hot-Dipped Galvanized, Add	*67.51*	
		For Stainless Steel, Add	*270.02*	
		For Seismic Hook And Eye, Add	*29.03*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	234.90	
		For Hot-Dipped Galvanized, Add	*67.93*	
		For Stainless Steel, Add	*271.70*	
		For Seismic Hook And Eye, Add	*29.21*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	244.35	
		For Hot-Dipped Galvanized, Add	*69.09*	
		For Stainless Steel, Add	*276.34*	
		For Seismic Hook And Eye, Add	*29.71*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	253.81	
		For Hot-Dipped Galvanized, Add	*70.65*	
		For Stainless Steel, Add	*282.58*	
		For Seismic Hook And Eye, Add	*30.38*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	261.41	
		For Hot-Dipped Galvanized, Add	*72.25*	
		For Stainless Steel, Add	*288.98*	
		For Seismic Hook And Eye, Add	*31.07*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	234.97	
		For Hot-Dipped Galvanized, Add	*73.91*	
		For Stainless Steel, Add	*295.62*	
		For Seismic Hook And Eye, Add	*31.78*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	247.93	
		For Hot-Dipped Galvanized, Add	*74.44*	
		For Stainless Steel, Add	*297.76*	
		For Seismic Hook And Eye, Add	*32.01*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	259.09	
		For Hot-Dipped Galvanized, Add	*76.46*	
		For Stainless Steel, Add	*305.82*	
		For Seismic Hook And Eye, Add	*32.88*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	270.61	
		For Hot-Dipped Galvanized, Add	*79.05*	
		For Stainless Steel, Add	*316.18*	
		For Seismic Hook And Eye, Add	*33.99*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	281.60	
		For Hot-Dipped Galvanized, Add	*82.34*	
		For Stainless Steel, Add	*329.36*	
		For Seismic Hook And Eye, Add	*35.41*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.73
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.82
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.90
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.11	
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.90	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.00	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.11	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.21	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.58	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.62	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.65	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.71	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.77	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.65	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.71	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.77	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.82	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.59	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.63	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.79	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.85	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.87	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.97	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	2.08	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	2.15	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.47	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.49	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.61	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.63	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.65	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.71	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.77	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.84	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.00	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.03	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.07	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.10	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.17	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.30	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.38	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.48	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.52	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.59	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.17	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.25	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.28	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.34	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.37	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.90	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.95	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.97	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.01	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.03	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.56	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.64	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.72	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.81	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.89	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.63	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.72	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.81	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.90	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.99	

04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*

04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.26	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.32	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.38	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.44	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.50	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.31	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.38	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.44	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.51	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.58	

04 05 19 16-0090 Corrugated Wall Ties *(04 05 19 16)*

04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*

04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.47	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.54	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.56	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.59	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.83	

04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*

04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.50	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.51	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.53	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.72	

04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)*

04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.83	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.90	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.96	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	2.03	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	2.37	

04 05 19 16-0108 Wire Mesh Wall Ties *(04 05 19 16)*

Note: 1/2" square mesh.

04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.75	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.28	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.82	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.77	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.58	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	5.47	

04 05 19 16-0115 Triangle Brick Ties *(04 05 19 16)*

04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*

04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.46	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.50	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.54	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.63	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.67	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.81	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.89	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.07	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.84	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.87	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.90	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.99	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.01	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.14	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.20	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.40	

04 05 19 16-0133 Mill Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*

04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.28	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.30	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.31	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.38	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.39	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.49	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.52	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.58	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.51	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.53	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.55	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.63	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.65	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.76	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.80	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.90	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	6.81	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	6.84	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	7.39	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.81	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	4.09	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	7.15	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.34	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.57	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.86	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.13	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.39	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.65	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.39	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.22	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.06	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.90	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.74	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.58	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.11	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.31	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.52	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.72	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.92	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	4.13	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.17	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.27	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.54	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.68	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.78	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.92	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.66	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.78	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.87	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.96	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.27	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.52	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.67	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.90	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.52	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.67	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.81	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.97	
04 05 19 16-0201		**Mill Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.29	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.43	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.52	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.33	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.42	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.47	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.54	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.83	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.99	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.06	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.22	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.76	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.03	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.13	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.22	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.90	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.31	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.55	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.67	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.95	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.08	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.60	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.72	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.90	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	5.02	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.86	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.32	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.48	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	6.00	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	6.50	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.22	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.57	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.92	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.37	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.63	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.85	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.98	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.11	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.88	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.13	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.32	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.95	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.12	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.29	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.73	
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.81	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.89	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.80	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.96	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	2.09	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.82	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	2.02	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	2.16	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.13	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.27	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.40	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	4.31	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	7.71	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.07	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.24	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.37	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.48	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.82	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.84	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.91	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	3.11	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.61	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.61	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.64	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	4.72	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.63	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.64	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.70	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	4.80	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.66	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.70	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.78	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	4.91	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.93	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.08	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	4.30	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	5.53	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.95	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.11	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.36	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	5.61	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.98	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.17	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.44	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	5.72	
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.81	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.96	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.19	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	5.51	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.83	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.00	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.25	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	5.59	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.85	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.05	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.33	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	5.70	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.13	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.43	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.85	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	6.32	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.15	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.47	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.91	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	6.40	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.17	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.52	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.99	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	6.51	
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.78	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.92	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.13	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	5.42	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.80	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.96	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.19	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	5.50	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.83	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.01	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.27	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	5.62	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.10	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.39	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.79	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	6.23	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.12	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.43	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.85	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	6.31	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.15	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.48	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.93	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	6.43	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	7.19	1.41
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	7.02	1.41
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	14.09	1.41

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.80	1.41
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.94	1.41
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.23	1.41
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.95	1.41
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.65	1.41

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.65	2.12
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.61	2.12
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.27	2.12
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.61	2.12

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.59	2.12
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.45	2.12
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.51	2.12
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.34	2.12

04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.87	2.12
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.06	2.12
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.79	2.12
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.38	2.12

04 05 23 16-0017 Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*

04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.21	1.98
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.92	1.98
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.87	1.98
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.59	1.98
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.31	1.98

04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*

04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.91	1.98
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.53	1.98
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.78	1.98
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.84	1.98
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	15.06	1.98

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.29	1.98
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.01	1.98
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.94	1.98
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.66	1.98
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.39	1.98
04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.38	1.98
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.25	1.98
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.51	1.98
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.15	1.98
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.25	1.98
04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.27	1.98
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.87	1.98
04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
		Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.76	1.98
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	12.09	1.98
04 05 23 16-0048		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0048)*		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	7.95	1.98
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.46	1.90
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.66	1.90
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.90	1.90
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.67	1.90

04 05 23 19 Masonry Cavity Drainage, Weepholes, and Vents *(04 05 23)*

04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)*		
		Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	92.03	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	113.99	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	143.49	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	112.00	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	138.14	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	174.40	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	131.98	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	178.23	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	217.17	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	178.08	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	231.68	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	284.23	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001		Brick Masonry *(04 21 13)*	
04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond	31.56
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	
		For Buff Or Gray, Add	*0.95*
		For Common Or American Bond, Add	*1.03*
		For English Bond, Add	*2.07*
		For Flemish Bond, Add	*4.16*
		For Curved Wall, Add	*5.17*
		For Stacked Bond, Add	*2.87*
		For Corbels, Add	*19.39*
		For Severe Weather (SW) Brick, Add	*0.86*
		For <10, Small Area Replacements (Individual Areas), Add	*39.06*
		For Glazed Brick, Add	*19.99*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond	32.34	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
		For Buff Or Gray, Add	*1.18*	
		For Common Or American Bond, Add	*1.01*	
		For English Bond, Add	*2.02*	
		For Flemish Bond, Add	*4.14*	
		For Curved Wall, Add	*5.05*	
		For Stacked Bond, Add	*2.88*	
		For Corbels, Add	*18.95*	
		For Severe Weather (SW) Brick, Add	*1.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.24*	
		For Glazed Brick, Add	*24.78*	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond	31.56	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
		For Buff Or Gray, Add	*0.95*	
		For Common Or American Bond, Add	*1.03*	
		For English Bond, Add	*2.07*	
		For Flemish Bond, Add	*4.16*	
		For Curved Wall, Add	*5.17*	
		For Stacked Bond, Add	*2.87*	
		For Corbels, Add	*19.39*	
		For Severe Weather (SW) Brick, Add	*0.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*39.06*	
		For Glazed Brick, Add	*19.99*	
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond	32.34	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
		For Buff Or Gray, Add	*1.18*	
		For Common Or American Bond, Add	*1.01*	
		For English Bond, Add	*2.02*	
		For Flemish Bond, Add	*4.14*	
		For Curved Wall, Add	*5.05*	
		For Stacked Bond, Add	*2.88*	
		For Corbels, Add	*18.95*	
		For Severe Weather (SW) Brick, Add	*1.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.24*	
		For Glazed Brick, Add	*24.78*	
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond	32.15	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.15*	
		For Common Or American Bond, Add	*1.01*	
		For English Bond, Add	*2.02*	
		For Flemish Bond, Add	*4.13*	
		For Curved Wall, Add	*5.05*	
		For Stacked Bond, Add	*2.87*	
		For Corbels, Add	*18.95*	
		For Severe Weather (SW) Brick, Add	*1.03*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.23*	
		For Glazed Brick, Add	*24.12*	
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond	23.55	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
		For Buff Or Gray, Add	*0.98*	
		For Common Or American Bond, Add	*0.71*	
		For English Bond, Add	*1.41*	
		For Flemish Bond, Add	*2.94*	
		For Curved Wall, Add	*3.53*	
		For Stacked Bond, Add	*2.06*	
		For Corbels, Add	*13.24*	
		For Severe Weather (SW) Brick, Add	*0.89*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.77*	
		For Glazed Brick, Add	*20.65*	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond	21.78	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
		For Buff Or Gray, Add	*0.69*	
		For Common Or American Bond, Add	*0.71*	
		For English Bond, Add	*1.41*	
		For Flemish Bond, Add	*2.85*	
		For Curved Wall, Add	*3.53*	
		For Stacked Bond, Add	*1.97*	
		For Corbels, Add	*13.24*	
		For Severe Weather (SW) Brick, Add	*0.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.68*	
		For Glazed Brick, Add	*14.46*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond	32.69	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.24*	
		For Common Or American Bond, Add	*1.01*	
		For English Bond, Add	*2.02*	
		For Flemish Bond, Add	*4.16*	
		For Curved Wall, Add	*5.05*	
		For Stacked Bond, Add	*2.90*	
		For Corbels, Add	*18.95*	
		For Severe Weather (SW) Brick, Add	*1.11*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.26*	
		For Glazed Brick, Add	*26.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	34.26	
		For Buff Or Gray, Add	*1.50*	
		For Common Or American Bond, Add	*1.01*	
		For English Bond, Add	*2.02*	
		For Flemish Bond, Add	*4.24*	
		For Curved Wall, Add	*5.05*	
		For Stacked Bond, Add	*2.98*	
		For Corbels, Add	*18.95*	
		For Severe Weather (SW) Brick, Add	*1.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.34*	
		For Glazed Brick, Add	*31.50*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	35.82	
		For Buff Or Gray, Add	*1.76*	
		For Common Or American Bond, Add	*1.01*	
		For English Bond, Add	*2.02*	
		For Flemish Bond, Add	*4.32*	
		For Stacked Bond, Add	*3.05*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.42*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	29.36	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	29.56	
		For Buff Or Gray, Add	*0.32*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	29.36	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	29.70	
		For Buff Or Gray, Add	*0.34*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	30.60	
		For Buff Or Gray, Add	*0.49*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	30.78	
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	30.78	
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	29.82	
		For Buff Or Gray, Add	*0.36*	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	29.91	
		For Buff Or Gray, Add	*0.38*	

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.73	
		For Smooth Face, One Side, Add	*1.82*	
		For Smooth Face, Two Sides, Add	*3.04*	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	32.27	
		For Smooth Face, One Side, Add	*2.01*	
		For Smooth Face, Two Sides, Add	*3.38*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	36.11	
		For Smooth Face, One Side, Add	*2.33*	
		For Smooth Face, Two Sides, Add	*3.94*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	49.23	
		For Smooth Face, One Side, Add	*3.57*	
		For Smooth Face, Two Sides, Add	*6.15*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	64.41	
		For Smooth Face, One Side, Add	*4.95*	
		For Smooth Face, Two Sides, Add	*8.61*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.97	
		For Smooth Face, One Side, Add	*1.47*	
		For Smooth Face, Two Sides, Add	*2.44*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.72	
		For Smooth Face, One Side, Add	*1.90*	
		For Smooth Face, Two Sides, Add	*3.20*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	30.53	
		For Smooth Face, One Side, Add	*1.93*	
		For Smooth Face, Two Sides, Add	*3.24*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	46.11	
		For Smooth Face, One Side, Add	*3.40*	
		For Smooth Face, Two Sides, Add	*5.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	62.54	
		For Smooth Face, One Side, Add	*4.90*	
		For Smooth Face, Two Sides, Add	*8.54*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	39.49	
		For Stacked Bond, Add	*2.76*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	43.61	
		For Stacked Bond, Add	*2.76*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	52.35	
		For Stacked Bond, Add	*2.89*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	42.06	
		For Stacked Bond, Add	*3.27*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	48.93	
		For Stacked Bond, Add	*3.27*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	30.22	
		For Stacked Bond, Add	*1.76*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	37.00	
		For Stacked Bond, Add	*1.88*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	49.99	
		For Stacked Bond, Add	*2.01*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	41.05	
		For Stacked Bond, Add	*2.26*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	40.99	
		For Stacked Bond, Add	*2.26*	

04 21 26 00-0017 4W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	41.04	
		For Stacked Bond, Add	*2.76*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	43.10	
		For Stacked Bond, Add	*2.76*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	52.60	
		For Stacked Bond, Add	*2.89*	

04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	43.32	
		For Stacked Bond, Add	*3.27*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	48.82	
		For Stacked Bond, Add	*3.27*	

04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	42.59	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	45.89	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	53.59	

04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	44.85	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	50.28	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	59.90	

04 21 29 Terra Cotta Masonry *(04 21)*

04 21 29 00-0001 Coping *(04 21 29)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 21 29 00-0002	SF	Terra Cotta Coping	136.81	52.83

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0001		Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0002		Lightweight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0003		Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*		
04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	15.81	
		For Stacked Bond, Add	*3.47*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.22*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	17.57	
		For Stacked Bond, Add	*3.76*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.89*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.92*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	19.02	
		For Stacked Bond, Add	*4.04*	
		For Scored Block, Add	*0.70*	
		For Curved Wall Application, Add	*3.10*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.54*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	20.91	
		For Stacked Bond, Add	*4.22*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*3.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.71*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	24.63	
		For Stacked Bond, Add	*5.10*	
		For Scored Block, Add	*1.00*	
		For Curved Wall Application, Add	*3.92*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.79*	
04 22 23 13-0009		Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*		
04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	16.97	
		For Stacked Bond, Add	*3.56*	
		For Scored Block, Add	*0.65*	
		For Curved Wall Application, Add	*2.74*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.80*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	18.61	
		For Stacked Bond, Add	*3.92*	
		For Scored Block, Add	*0.71*	
		For Curved Wall Application, Add	*3.01*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.87*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	19.65	
		For Stacked Bond, Add	*4.16*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*3.20*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.26*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	21.81	
		For Stacked Bond, Add	*4.36*	
		For Scored Block, Add	*1.01*	
		For Curved Wall Application, Add	*3.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.50*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	25.67	
		For Stacked Bond, Add	*5.27*	
		For Scored Block, Add	*1.08*	
		For Curved Wall Application, Add	*4.05*	
		For <10, Small Area Replacements (Individual Areas), Add	*30.80*	
04 22 23 13-0015		Normal Weight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0016		Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	16.15	
		For Stacked Bond, Add	*3.56*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*2.74*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.73*	
		For 3,500 PSI, Add	*0.51*	
		For 5,000 PSI, Add	*0.88*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	17.87	
		For Stacked Bond, Add	*3.92*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*3.01*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.82*	
		For 3,500 PSI, Add	*0.59*	
		For 5,000 PSI, Add	*1.01*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	19.22	
		For Stacked Bond, Add	*4.16*	
		For Scored Block, Add	*0.65*	
		For Curved Wall Application, Add	*3.20*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.23*	
		For 3,500 PSI, Add	*0.68*	
		For 5,000 PSI, Add	*1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	22.98	
		For Stacked Bond, Add	*4.36*	
		For Scored Block, Add	*1.25*	
		For Curved Wall Application, Add	*3.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.59*	
		For 3,500 PSI, Add	*1.31*	
		For 5,000 PSI, Add	*2.24*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	26.68	
		For Stacked Bond, Add	*5.27*	
		For Scored Block, Add	*1.28*	
		For Curved Wall Application, Add	*4.05*	
		For <10, Small Area Replacements (Individual Areas), Add	*30.87*	
		For 3,500 PSI, Add	*1.35*	
		For 5,000 PSI, Add	*2.31*	
04 22 23 13-0022		Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	17.18	
		For Stacked Bond, Add	*3.66*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.81*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.34*	
		For 3,500 PSI, Add	*0.65*	
		For 5,000 PSI, Add	*1.12*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	18.40	
		For Stacked Bond, Add	*4.04*	
		For Scored Block, Add	*0.58*	
		For Curved Wall Application, Add	*3.10*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.50*	
		For 3,500 PSI, Add	*0.60*	
		For 5,000 PSI, Add	*1.04*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	19.84	
		For Stacked Bond, Add	*4.29*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*3.30*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.99*	
		For 3,500 PSI, Add	*0.70*	
		For 5,000 PSI, Add	*1.21*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	21.78	
		For Stacked Bond, Add	*4.50*	
		For Scored Block, Add	*0.90*	
		For Curved Wall Application, Add	*3.46*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.29*	
		For 3,500 PSI, Add	*0.94*	
		For 5,000 PSI, Add	*1.61*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	25.64	
		For Stacked Bond, Add	*5.45*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*4.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.81*	
		For 3,500 PSI, Add	*0.98*	
		For 5,000 PSI, Add	*1.68*	
04 22 23 13-0028		Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0029		Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*		
		Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	18.30	
		For Stacked Bond, Add	*3.76*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.07*	
		For Scored Block, Add	*0.77*	
		For Curved Wall Application, Add	*2.89*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	20.16	
		For Stacked Bond, Add	*4.04*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.40*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*3.10*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	24.54	
		For Stacked Bond, Add	*5.10*	
		For Grout And Fill With 2 #5 Rebar, Add	*14.74*	
		For Scored Block, Add	*0.99*	
		For Curved Wall Application, Add	*3.92*	
04 22 23 13-0033		Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*		
		Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	18.36	
		For Stacked Bond, Add	*3.92*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.83*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*3.01*	
		For 3,500 PSI, Add	*0.69*	
		For 5,000 PSI, Add	*1.18*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	20.08	
		For Stacked Bond, Add	*4.16*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.09*	
		For Scored Block, Add	*0.82*	
		For Curved Wall Application, Add	*3.20*	
		For 3,500 PSI, Add	*0.86*	
		For 5,000 PSI, Add	*1.47*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0036		LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	24.65	
			For Stacked Bond, Add	*5.27*	
			For Grout And Fill With 2 #5 Rebar, Add	*14.52*	
			For Scored Block, Add	*0.88*	
			For Curved Wall Application, Add	*4.05*	
			For 3,500 PSI, Add	*0.92*	
			For 5,000 PSI, Add	*1.58*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002		SF	4" x 8" x 16", Ground Face, Concrete Block	20.68	
			For Stacked Bond, Add	*4.36*	
			For Scored Block, Add	*0.79*	
			For Curved Wall Application, Add	*3.35*	
			For <10, Small Area Replacements (Individual Areas), Add	*25.42*	
04 22 23 23-0003		SF	6" x 8" x 16", Ground Face, Concrete Block	23.32	
			For Stacked Bond, Add	*4.90*	
			For Scored Block, Add	*0.90*	
			For Curved Wall Application, Add	*3.77*	
			For <10, Small Area Replacements (Individual Areas), Add	*28.60*	
04 22 23 23-0004		SF	8" x 8" x 16", Ground Face, Concrete Block	25.21	
			For Stacked Bond, Add	*5.18*	
			For Scored Block, Add	*1.06*	
			For Curved Wall Application, Add	*3.98*	
			For <10, Small Area Replacements (Individual Areas), Add	*30.26*	
04 22 23 23-0005		SF	10" x 8" x 16", Ground Face, Concrete Block	26.94	
			For Stacked Bond, Add	*5.49*	
			For Scored Block, Add	*1.17*	
			For Curved Wall Application, Add	*4.22*	
			For <10, Small Area Replacements (Individual Areas), Add	*32.09*	
04 22 23 23-0006		SF	12" x 8" x 16", Ground Face, Concrete Block	31.71	
			For Stacked Bond, Add	*6.59*	
			For Scored Block, Add	*1.28*	
			For Curved Wall Application, Add	*5.07*	
			For <10, Small Area Replacements (Individual Areas), Add	*38.47*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002		SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	27.61	
			For Stacked Bond, Add	*4.36*	
			For Curved Wall Application, Add	*3.35*	
			For <10, Small Area Replacements (Individual Areas), Add	*25.94*	
04 22 23 26-0003		SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	30.93	
			For Stacked Bond, Add	*4.73*	
			For Curved Wall Application, Add	*3.64*	
			For <10, Small Area Replacements (Individual Areas), Add	*28.25*	
04 22 23 26-0004		SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	35.60	
			For Stacked Bond, Add	*5.18*	
			For Curved Wall Application, Add	*3.98*	
			For <10, Small Area Replacements (Individual Areas), Add	*31.04*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003		SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.15	
			For Stacked Bond, Add	*4.36*	
			For Curved Wall Application, Add	*3.35*	
			For <10, Small Area Replacements (Individual Areas), Add	*25.46*	
04 22 23 29-0004		SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	23.86	
			For Stacked Bond, Add	*4.90*	
			For Curved Wall Application, Add	*3.77*	
			For <10, Small Area Replacements (Individual Areas), Add	*28.64*	
04 22 23 29-0005		SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	25.83	
			For Stacked Bond, Add	*5.18*	
			For Curved Wall Application, Add	*3.98*	
			For <10, Small Area Replacements (Individual Areas), Add	*30.31*	
04 22 23 29-0006		SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	27.68	
			For Stacked Bond, Add	*5.49*	
			For Curved Wall Application, Add	*4.22*	
			For <10, Small Area Replacements (Individual Areas), Add	*32.14*	
04 22 23 29-0007		SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	32.15	
			For Stacked Bond, Add	*6.59*	
			For Curved Wall Application, Add	*5.07*	
			For <10, Small Area Replacements (Individual Areas), Add	*38.51*	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0009		SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.25	
			For Stacked Bond, Add	*4.36*	
			For Grout And Fill With 2 #5 Rebar, Add	*13.88*	
			For Curved Wall Application, Add	*3.35*	
			For <10, Small Area Replacements (Individual Areas), Add	*25.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	25.12	
		For Stacked Bond, Add	*4.90*	
		For Grout And Fill With 2 #5 Rebar, Add	*15.70*	
		For Curved Wall Application, Add	*3.77*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.73*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	27.31	
		For Stacked Bond, Add	*5.18*	
		For Grout And Fill With 2 #5 Rebar, Add	*17.36*	
		For Curved Wall Application, Add	*3.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*30.42*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	29.32	
		For Stacked Bond, Add	*5.49*	
		For Grout And Fill With 2 #5 Rebar, Add	*18.77*	
		For Curved Wall Application, Add	*4.22*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.27*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	33.86	
		For Stacked Bond, Add	*6.59*	
		For Grout And Fill With 2 #5 Rebar, Add	*21.20*	
		For Curved Wall Application, Add	*5.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.63*	
04 22 23 29-0014		Split Rib, Concrete Block *(04 22 23 29)*		
04 22 23 29-0015		Split Rib, Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	20.80	
		For Stacked Bond, Add	*4.36*	
		For Curved Wall Application, Add	*3.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.43*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	24.68	
		For Stacked Bond, Add	*4.90*	
		For Curved Wall Application, Add	*3.77*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.70*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	26.26	
		For Stacked Bond, Add	*5.18*	
		For Curved Wall Application, Add	*3.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*30.34*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	28.03	
		For Stacked Bond, Add	*5.49*	
		For Curved Wall Application, Add	*4.22*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.17*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	32.92	
		For Stacked Bond, Add	*6.59*	
		For Curved Wall Application, Add	*5.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*38.56*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
04 22 23 31-0001		One Glazed Face, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*		
04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	35.70	
		For Stacked Bond, Add	*4.22*	
		For Curved Wall Application, Add	*3.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.82*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	38.27	
		For Stacked Bond, Add	*4.65*	
		For Curved Wall Application, Add	*3.58*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.36*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	40.50	
		For Stacked Bond, Add	*4.90*	
		For Curved Wall Application, Add	*3.77*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.88*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	42.90	
		For Stacked Bond, Add	*5.18*	
		For Curved Wall Application, Add	*3.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.59*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	47.96	
		For Stacked Bond, Add	*6.20*	
		For Curved Wall Application, Add	*4.77*	
		For <10, Small Area Replacements (Individual Areas), Add	*37.57*	
04 22 23 31-0008		Two Glazed Faces, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0009		Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*		
04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	47.41	
		For Stacked Bond, Add	*4.81*	
		For Curved Wall Application, Add	*3.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.93*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	49.77	
		For Stacked Bond, Add	*5.18*	
		For Curved Wall Application, Add	*3.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.10*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	53.14	
		For Stacked Bond, Add	*5.72*	
		For Curved Wall Application, Add	*4.40*	
		For <10, Small Area Replacements (Individual Areas), Add	*35.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	101.38	
		For Solar Reflective (Suntrol) Blocks, Add	*20.53*	
		For Essex (Horizontal Striated) Blocks, Add	*11.73*	
		For Sculptured Or Patterned Blocks, Add	*20.53*	
		For Colored Glass, Add	*58.67*	
		For Thinline Block, Deduct	*-14.67*	
		For >1,000 To 5,000, Deduct	*-7.18*	
		For >5,000, Deduct	*-12.24*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	72.94	
		For Solar Reflective (Suntrol) Blocks, Add	*14.54*	
		For Essex (Horizontal Striated) Blocks, Add	*8.31*	
		For Sculptured Or Patterned Blocks, Add	*14.54*	
		For Colored Glass, Add	*41.53*	
		For Thinline Block, Deduct	*-10.38*	
		For >1,000 To 5,000, Deduct	*-5.20*	
		For >5,000, Deduct	*-8.84*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	81.96	
		For Solar Reflective (Suntrol) Blocks, Add	*18.57*	
		For Essex (Horizontal Striated) Blocks, Add	*10.61*	
		For Sculptured Or Patterned Blocks, Add	*18.57*	
		For Colored Glass, Add	*53.06*	
		For Thinline Block, Deduct	*-13.27*	
		For >1,000 To 5,000, Deduct	*-5.53*	
		For >5,000, Deduct	*-9.62*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	979.89	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	742.52	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	507.96	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	355.59	

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Smooth Limestone Panels *(04 42 43)*

Note: Up to 12' x 5' panels.

04 42 43 00-0002	SF	1-1/2" Thick Smooth Limestone Panels	71.88	44.10
04 42 43 00-0003	SF	2" Thick Smooth Limestone Panels	76.05	46.23
04 42 43 00-0004	SF	3" Thick Smooth Limestone Panels	80.38	48.35
04 42 43 00-0005	SF	4" Thick Smooth Limestone Panels	92.14	53.17

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001 Limestone *(04 43 16)*

04 43 16 00-0002 Limestone Coping *(04 43 16 00-0001)*

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0003	SF	2-1/2" Thick Limestone Coping	33.80	11.34
04 43 16 00-0004	SF	3" Thick Limestone Coping	37.43	12.05
04 43 16 00-0005	SF	3-1/2" Thick Limestone Coping	41.07	12.76
04 43 16 00-0006	SF	4" Thick Limestone Coping	43.29	13.18
04 43 16 00-0007	SF	5" Thick Limestone Coping	49.16	13.47
04 43 16 00-0008	SF	6" Thick Limestone Coping	68.08	14.18
04 43 16 00-0009	CF	>6" Thick Limestone Coping	113.45	29.48

04 43 16 00-0010 Limestone Items *(04 43 16 00-0001)*

04 43 16 00-0011	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	216.14	110.56

04 43 16 00-0012 Granite *(04 43 16)*

04 43 16 00-0013 Granite Stair Treads *(04 43 16 00-0012)*

04 43 16 00-0014	SF	2" Thick Granite Stair Tread	77.25	10.64

04 43 16 00-0015 Slate *(04 43 16)*

04 43 16 00-0016 Slate Stair Treads *(04 43 16 00-0015)*

04 43 16 00-0017	SF	2" Thick Slate Stair Tread	47.97	10.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0018		**Slate Panels Or Sills** *(04 43 16 00-0015)*		
04 43 16 00-0019	SF	1" Thick Slate Panels	73.73	44.39
04 43 16 00-0020	SF	2" Thick Slate Panels	83.20	44.39
04 43 16 00-0021		**Slate Sills Or Stools** *(04 43 16 00-0015)*		
04 43 16 00-0022	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	33.78	19.53
04 43 16 00-0023	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	39.80	19.53
04 43 16 00-0024	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	38.95	19.53
04 43 16 00-0025	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	51.87	19.53
04 43 16 00-0026		**Bluestone** *(04 43 16)*		
04 43 16 00-0027		**Bluestone Stair Treads** *(04 43 16 00-0026)*		
04 43 16 00-0028		**1" Thick, Bluestone Stair Treads** *(04 43 16 00-0027)*		
04 43 16 00-0029	LF	8" Depth, 1" Thick, Bluestone Stair Tread	35.59	8.04
04 43 16 00-0030	LF	10" Depth, 1" Thick, Bluestone Stair Tread	37.92	8.50
04 43 16 00-0031	LF	12" Depth, 1" Thick, Bluestone Stair Tread	40.10	8.97
04 43 16 00-0032	LF	14" Depth, 1" Thick, Bluestone Stair Tread	44.14	9.46
04 43 16 00-0033	LF	16" Depth, 1" Thick, Bluestone Stair Tread	48.21	9.93
04 43 16 00-0034	LF	18" Depth, 1" Thick, Bluestone Stair Tread	52.38	10.40
04 43 16 00-0035		**1-1/2" Thick, Bluestone Stair Treads** *(04 43 16 00-0027)*		
04 43 16 00-0036	LF	8" Depth, 1-1/2" Thick, Bluestone Stair Tread	39.20	8.97
04 43 16 00-0037	LF	10" Depth, 1-1/2" Thick, Bluestone Stair Tread	41.51	9.46
04 43 16 00-0038	LF	12" Depth, 1-1/2" Thick, Bluestone Stair Tread	43.68	9.93
04 43 16 00-0039	LF	14" Depth, 1-1/2" Thick, Bluestone Stair Tread	47.84	10.40
04 43 16 00-0040	LF	16" Depth, 1-1/2" Thick, Bluestone Stair Tread	52.05	10.88
04 43 16 00-0041	LF	18" Depth, 1-1/2" Thick, Bluestone Stair Tread	56.34	11.34
04 43 16 00-0042		**2" Thick, Bluestone Stair Treads** *(04 43 16 00-0027)*		
04 43 16 00-0043	LF	8" Depth, 2" Thick, Bluestone Stair Tread	43.30	9.93
04 43 16 00-0044	LF	10" Depth, 2" Thick, Bluestone Stair Tread	45.01	10.40
04 43 16 00-0045	LF	12" Depth, 2" Thick, Bluestone Stair Tread	47.72	10.88
04 43 16 00-0046	LF	14" Depth, 2" Thick, Bluestone Stair Tread	52.26	11.34
04 43 16 00-0047	LF	16" Depth, 2" Thick, Bluestone Stair Tread	57.09	11.81
04 43 16 00-0048	LF	18" Depth, 2" Thick, Bluestone Stair Tread	61.20	12.29
04 43 16 00-0049		**Bluestone Coping** *(04 43 16 00-0026)*		
04 43 16 00-0050	SF	2" Thick Bluestone Coping	57.53	11.34
04 43 16 00-0051	SF	3" Thick Bluestone Coping	127.87	11.34

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		**Rectangular Flue Liners** *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	23.15	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	31.35	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	35.90	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	44.57	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	53.75	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	60.88	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	66.56	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	81.35	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	86.81	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	111.17	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	121.03	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	142.93	
04 51 00 00-0014		**Round Flue Liners** *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	54.97	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	78.57	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	102.58	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	124.44	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	151.88	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	164.11	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	208.95	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	256.23	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	295.57	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	336.08	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	353.09	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	358.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 51 00 00-0027		Standard Chimney Block *(04 51)* Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	38.90	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	42.32	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	42.60	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	44.66	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	46.95	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	49.39	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	55.68	

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001		Precast Concrete Lintels *(04 72)*		
04 72 00 00-0002		Solid Precast Concrete Lintels *(04 72 00 00-0001)*		
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	20.78	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	26.03	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	31.87	
04 72 00 00-0006		U Shaped Precast Concrete Lintels *(04 72 00 00-0001)* Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	22.24	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	26.73	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	42.70	
04 72 00 00-0010		Precast Concrete Coping *(04 72)* Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping.		
04 72 00 00-0011		Precast Concrete Coping *(04 72 00 00-0010)* Note: Measured at highest point.		
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	65.83	15.97
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	73.65	17.20
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	84.76	18.43
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	90.84	19.65
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	96.97	20.88
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	114.73	22.12
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	130.30	23.34
04 72 00 00-0019		Precast Concrete Window Sills *(04 72)* Note: Includes caulk and ties.		
04 72 00 00-0020		Precast Concrete Window Sills *(04 72 00 00-0019)*		
04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	47.93	12.28
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	70.58	12.28
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	82.79	12.28

END OF SECTION 04

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals *(05)*

05 01 50 Maintenance of Metal Fabrications *(05 01)*

05 01 50 51 Cleaning of Metal Fabrications *(05 01 50)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications *(05 01 50)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications *(05 01 50)*
See CSI section 05 12 23 00-0113 for field applied cold galvanizing, 05 12 23 00-0115 for metal grinding.

05 01 70 Maintenance of Decorative Metal *(05 01)*

05 01 70 51 Cleaning of Decorative Metal *(05 01 70)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal *(05 01 70)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal *(05 01 70)*
See CSI section 05 12 23 00-0113 for field applied cold galvanizing, 05 12 23 00-0115 for metal grinding.

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.64		
		For >10 To 50, Deduct	*-0.70*		
		For >50 To 100, Deduct	*-1.41*		
		For >100, Deduct	*-2.82*		
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.76		
		For >10 To 50, Deduct	*-0.70*		
		For >50 To 100, Deduct	*-1.41*		
		For >100, Deduct	*-2.82*		
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.22		
		For >10 To 50, Deduct	*-0.71*		
		For >50 To 100, Deduct	*-1.45*		
		For >100, Deduct	*-2.90*		
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.96		
		For >10 To 50, Deduct	*-0.85*		
		For >50 To 100, Deduct	*-1.72*		
		For >100, Deduct	*-3.43*		
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.05		
		For >10 To 50, Deduct	*-0.85*		
		For >50 To 100, Deduct	*-1.72*		
		For >100, Deduct	*-3.44*		
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.08		
		For >10 To 50, Deduct	*-0.85*		
		For >50 To 100, Deduct	*-1.72*		
		For >100, Deduct	*-3.44*		
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.42		
		For >10 To 50, Deduct	*-0.85*		
		For >50 To 100, Deduct	*-1.73*		
		For >100, Deduct	*-3.46*		
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.94		
		For >10 To 50, Deduct	*-1.20*		
		For >50 To 100, Deduct	*-2.45*		
		For >100, Deduct	*-4.90*		
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.01		
		For >10 To 50, Deduct	*-1.20*		
		For >50 To 100, Deduct	*-2.45*		
		For >100, Deduct	*-4.91*		
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.15		
		For >10 To 50, Deduct	*-1.20*		
		For >50 To 100, Deduct	*-2.46*		
		For >100, Deduct	*-4.91*		
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.53		
		For >10 To 50, Deduct	*-1.20*		
		For >50 To 100, Deduct	*-2.47*		
		For >100, Deduct	*-4.93*		
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.04		
		For >10 To 50, Deduct	*-1.20*		
		For >50 To 100, Deduct	*-2.48*		
		For >100, Deduct	*-4.96*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.50	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.13*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.61	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.13*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.85	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.14*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.31	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.17*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.77	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.19*	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	38.42	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.19*	
		For >100, Deduct	*-6.37*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.54	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.26*	
		For >100, Deduct	*-6.53*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.38	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.32*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.48	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.32*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.03	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.35*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.70	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.38*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	42.47	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.71*	
		For >100, Deduct	*-7.42*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	45.39	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.57*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	49.28	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.88*	
		For >100, Deduct	*-7.76*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	53.66	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.99*	
		For >100, Deduct	*-7.98*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	52.78	
		For >10 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-8.39*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	55.08	
		For >10 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-4.25*	
		For >100, Deduct	*-8.50*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	58.14	
		For >10 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-4.33*	
		For >100, Deduct	*-8.66*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	65.67	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.36*	
		For >100, Deduct	*-10.72*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	70.01	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.47*	
		For >100, Deduct	*-10.94*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	74.32	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.58*	
		For >100, Deduct	*-11.15*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	85.38	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-6.90*	
		For >100, Deduct	*-13.79*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	88.48	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-6.97*	
		For >100, Deduct	*-13.95*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	15.77	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.20	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.85	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.05	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.42	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.69	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.57*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	22.72	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.67*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.62	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.14*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.32	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.17*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.72	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.19*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	33.58	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.29*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.36	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.42*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	43.00	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-6.60*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	44.81	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.35*	
		For >100, Deduct	*-6.69*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	46.77	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.39*	
		For >100, Deduct	*-6.79*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	49.37	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.46*	
		For >100, Deduct	*-6.92*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	60.79	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.49*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	51.33	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.93*	
		For >100, Deduct	*-7.86*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	55.00	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.02*	
		For >100, Deduct	*-8.05*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	58.14	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-8.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	58.53	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.11*	
		For >100, Deduct	*-8.22*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	61.48	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-8.37*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.13	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.38*	
		For >100, Deduct	*-8.75*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	79.92	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.65*	
		For >100, Deduct	*-9.29*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	80.92	
		For >10 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-4.90*	
		For >100, Deduct	*-9.79*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	116.40	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-6.63*	
		For >100, Deduct	*-13.26*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	132.36	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-7.03*	
		For >100, Deduct	*-14.06*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	16.14	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	17.02	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-2.99*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.26	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.80*	
		For >100, Deduct	*-3.60*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.90	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.63*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	22.07	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	25.13	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.79*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	33.55	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.28*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	35.32	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.37*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	38.55	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.53*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	39.36	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.57*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	52.90	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.10*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	53.87	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.14*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	65.17	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.28*	
		For >100, Deduct	*-8.56*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	69.20	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.38*	
		For >100, Deduct	*-8.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0083		Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*		
		Note: Includes nut and washer.		
05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.94	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.05*	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.24	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.12*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	31.53	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.18*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	32.18	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	38.97	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.40*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.42	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.16*	
		For >100, Deduct	*-6.32*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.80	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.89*	
		For >100, Deduct	*-7.79*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	51.22	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.93*	
		For >100, Deduct	*-7.86*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	58.21	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-8.21*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	64.48	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.33*	
		For >100, Deduct	*-10.66*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	68.51	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.43*	
		For >100, Deduct	*-10.86*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	72.49	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.53*	
		For >100, Deduct	*-11.06*	
05 05 19 00-0096		Concrete Sleeve Anchors *(05 05 19 00-0002)*		
05 05 19 00-0097		Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*		
		Note: Includes nut and washer.		
05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.75	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.92	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.12	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.54	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.02*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.69	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.02*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.61	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.89	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.43*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.16	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.31	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.87*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.66	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.88*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.97	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.90*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.33	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.67	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.03*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.20	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.03*	
		For >100, Deduct	*-6.06*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.61	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.04*	
		For >100, Deduct	*-6.08*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.75	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.14*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.66	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.61*	
		For >100, Deduct	*-7.23*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.65	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.64*	
		For >100, Deduct	*-7.28*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.55	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.32*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	41.97	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.40*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	16.53	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.23	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.80*	
		For >100, Deduct	*-3.60*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.95	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	31.36	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.17*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	34.46	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.32*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	46.47	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.39*	
		For >100, Deduct	*-6.77*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.56	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.84	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.54	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.07*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.70	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.12*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.87	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.74	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	20.41	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	27.46	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.97*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	27.98	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	29.50	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.08*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	31.47	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.18*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.24	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.26*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	38.06	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.35*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	39.66	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.22*	
		For >100, Deduct	*-6.43*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	46.25	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-7.61*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	47.95	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.85*	
		For >100, Deduct	*-7.69*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	20.50	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-3.99*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	25.06	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.87*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	30.46	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.79*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	34.43	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.41*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	41.02	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.38*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	24.13	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	31.90	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.21*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	39.49	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.12*	
		For >100, Deduct	*-6.24*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	48.97	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.13*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	66.02	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-4.32*	
		For >100, Deduct	*-8.63*	
05 05 19 00-0155		**Single Bolt Expansion Anchors** *(05 05 19 00-0002)*		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.00	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	16.00	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	18.10	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	26.33	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	36.02	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.25*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	43.40	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-7.47*	
05 05 19 00-0162		**Concrete Lag Shield Anchors** *(05 05 19 00-0002)*		
		Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.08	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.95	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.43*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	18.65	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	26.30	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	34.93	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.20*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	39.47	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.64*	
		For >100, Deduct	*-7.27*	
05 05 19 00-0169		**Chemical And Adhesive Anchors** *(05 05 19 00-0001)*		
05 05 19 00-0170		**Chemically Adhered Anchor Rods** *(05 05 19 00-0169)*		
		Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	18.85	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.29*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	21.74	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	27.00	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.55*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	31.52	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.18*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	33.24	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-5.26*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	41.12	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.51*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	53.06	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.97*	
		For >100, Deduct	*-7.95*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	62.48	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-8.86*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	85.09	
		For >10 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-5.85*	
		For >100, Deduct	*-11.69*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	121.17	
		For >10 To 50, Deduct	*-3.13*	
		For >50 To 100, Deduct	*-7.72*	
		For >100, Deduct	*-15.44*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	16.03	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.15*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	17.55	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	20.55	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.01*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	24.95	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.85*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	28.00	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-5.26*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	35.52	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.51*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	39.13	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-3.51*	
		For >100, Deduct	*-7.03*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	48.75	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-4.28*	
		For >100, Deduct	*-8.55*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	54.00	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-4.66*	
		For >100, Deduct	*-9.33*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	62.76	
		For >10 To 50, Deduct	*-2.50*	
		For >50 To 100, Deduct	*-5.32*	
		For >100, Deduct	*-10.64*	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	70.50	
		For >10 To 50, Deduct	*-2.73*	
		For >50 To 100, Deduct	*-5.85*	
		For >100, Deduct	*-11.71*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	80.64	
		For >10 To 50, Deduct	*-2.97*	
		For >50 To 100, Deduct	*-6.47*	
		For >100, Deduct	*-12.94*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	101.63	
		For >10 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-7.77*	
		For >100, Deduct	*-15.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	147.99	
		For >10 To 50, Deduct	*-4.21*	
		For >50 To 100, Deduct	*-10.02*	
		For >100, Deduct	*-20.04*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	6.76	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.66*	
		For >100, Deduct	*-1.33*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	14.53	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	14.61	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	14.80	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	14.63	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	14.73	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	14.95	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	16.11	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	16.80	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.97*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	16.98	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	17.31	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	17.60	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.01*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	18.19	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	18.92	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	19.60	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.11*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	21.49	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.21*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	21.72	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	22.87	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	24.06	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	24.82	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.37*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	24.48	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	25.58	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.41*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	28.15	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	9.01	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.73*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	9.01	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.73*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	9.07	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.73*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	9.09	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.73*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.22	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.40*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.34	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.53	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.45*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.79	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.92	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.59	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.48	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.27*	
		For >100, Deduct	*-0.54*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Minimum Charge For Welding Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	783.20

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

See CSI section 05 05 21 00-0007 for a series of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	20.08	
		For Aluminum Welding, Add	*3.12*	
		For Stainless Steel Welding, Add	*5.16*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	15.66	
		For Aluminum Welding, Add	*2.46*	
		For Stainless Steel Welding, Add	*4.05*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	12.67	
		For Aluminum Welding, Add	*2.45*	
		For Stainless Steel Welding, Add	*3.85*	
		For Up To 25, Add	*4.21*	
		For >25 To 50, Add	*2.99*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	24.66	
		For Aluminum Welding, Add	*4.38*	
		For Stainless Steel Welding, Add	*7.01*	
		For Up To 25, Add	*8.35*	
		For >25 To 50, Add	*5.94*	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	37.02	
		For Aluminum Welding, Add	*6.59*	
		For Stainless Steel Welding, Add	*10.55*	
		For Up To 25, Add	*12.53*	
		For >25 To 50, Add	*8.91*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	48.84	
		For Aluminum Welding, Add	*8.72*	
		For Stainless Steel Welding, Add	*13.95*	
		For Up To 25, Add	*16.51*	
		For >25 To 50, Add	*11.75*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	61.68	
		For Aluminum Welding, Add	*10.96*	
		For Stainless Steel Welding, Add	*17.56*	
		For Up To 25, Add	*20.88*	
		For >25 To 50, Add	*14.85*	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	71.94	
		For Aluminum Welding, Add	*12.15*	
		For Stainless Steel Welding, Add	*19.68*	
		For Up To 25, Add	*24.61*	
		For >25 To 50, Add	*17.53*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	84.32	
		For Aluminum Welding, Add	*15.04*	
		For Stainless Steel Welding, Add	*24.07*	
		For Up To 25, Add	*28.52*	
		For >25 To 50, Add	*20.28*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	98.81	
		For Aluminum Welding, Add	*16.96*	
		For Stainless Steel Welding, Add	*27.38*	
		For Up To 25, Add	*33.69*	
		For >25 To 50, Add	*23.99*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	114.53	
		For Aluminum Welding, Add	*19.71*	
		For Stainless Steel Welding, Add	*31.80*	
		For Up To 25, Add	*39.03*	
		For >25 To 50, Add	*27.79*	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	154.33	
		For Aluminum Welding, Add	*27.50*	
		For Stainless Steel Welding, Add	*44.02*	
		For Up To 25, Add	*52.20*	
		For >25 To 50, Add	*37.13*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	228.70	
		For Aluminum Welding, Add	*39.15*	
		For Stainless Steel Welding, Add	*63.24*	
		For Up To 25, Add	*78.03*	
		For >25 To 50, Add	*55.56*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	307.72	
		For Aluminum Welding, Add	*54.29*	
		For Stainless Steel Welding, Add	*87.09*	
		For Up To 25, Add	*104.31*	
		For >25 To 50, Add	*74.22*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	10.65	
		For Aluminum Welding, Add	*2.14*	
		For Stainless Steel Welding, Add	*3.35*	
		For Up To 25, Add	*3.50*	
		For >25 To 50, Add	*2.48*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	20.86	
		For Aluminum Welding, Add	*3.84*	
		For Stainless Steel Welding, Add	*6.11*	
		For Up To 25, Add	*7.00*	
		For >25 To 50, Add	*4.98*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	31.19	
		For Aluminum Welding, Add	*5.75*	
		For Stainless Steel Welding, Add	*9.13*	
		For Up To 25, Add	*10.47*	
		For >25 To 50, Add	*7.44*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	41.23	
		For Aluminum Welding, Add	*7.65*	
		For Stainless Steel Welding, Add	*12.14*	
		For Up To 25, Add	*13.82*	
		For >25 To 50, Add	*9.82*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	52.06	
		For Aluminum Welding, Add	*9.59*	
		For Stainless Steel Welding, Add	*15.24*	
		For Up To 25, Add	*17.48*	
		For >25 To 50, Add	*12.42*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	60.48	
		For Aluminum Welding, Add	*10.50*	
		For Stainless Steel Welding, Add	*16.91*	
		For Up To 25, Add	*20.57*	
		For >25 To 50, Add	*14.64*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	71.08	
		For Aluminum Welding, Add	*13.16*	
		For Stainless Steel Welding, Add	*20.89*	
		For Up To 25, Add	*23.84*	
		For >25 To 50, Add	*16.94*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	83.23	
		For Aluminum Welding, Add	*14.76*	
		For Stainless Steel Welding, Add	*23.66*	
		For Up To 25, Add	*28.18*	
		For >25 To 50, Add	*20.05*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	96.85	
		For Aluminum Welding, Add	*17.49*	
		For Stainless Steel Welding, Add	*27.91*	
		For Up To 25, Add	*32.67*	
		For >25 To 50, Add	*23.23*	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	130.24	
		For Aluminum Welding, Add	*24.10*	
		For Stainless Steel Welding, Add	*38.27*	
		For Up To 25, Add	*43.68*	
		For >25 To 50, Add	*31.04*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	191.40	
		For Aluminum Welding, Add	*33.24*	
		For Stainless Steel Welding, Add	*53.51*	
		For Up To 25, Add	*65.10*	
		For >25 To 50, Add	*46.34*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	258.73	
		For Aluminum Welding, Add	*47.34*	
		For Stainless Steel Welding, Add	*75.34*	
		For Up To 25, Add	*87.00*	
		For >25 To 50, Add	*61.84*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	21.46	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.93*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	22.87	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	22.91	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	26.91	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	25.27	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.12*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	29.84	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.75*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	35.78	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	38.22	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.49*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	29.40	2.48
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.28*	
		For >100, Deduct	*-4.57*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	34.53	2.73
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.13*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	39.48	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.55*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	52.69	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.40*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	61.24	3.40
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.31*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	68.29	3.63
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-7.97*	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	22.15	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	23.33	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	24.61	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	28.61	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.69*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	27.21	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.21*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	33.42	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.93*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	41.95	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.50*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	48.21	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-5.99*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	34.47	2.48
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.82*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	40.24	2.73
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	46.86	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.92*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	66.05	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.07*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	67.22	3.40
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-7.61*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	82.14	3.63
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.33*	
		For >100, Deduct	*-8.66*	

05 05 23 00-0033 A325 High Strength Structural Bolts *(05 05 23 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0034		Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0033)*		
		Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	21.13	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.91*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	21.44	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.93*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	22.44	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.98*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	26.94	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	30.27	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	23.82	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	28.40	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	31.58	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	37.34	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-5.45*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	27.12	2.48
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.45*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	32.11	2.73
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	35.91	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.38*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	38.63	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.85*	
		For >100, Deduct	*-5.70*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	29.46	2.57
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.69*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	34.73	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.32*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	39.29	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.73*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	48.31	3.20
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.42*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	46.57	3.20
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.17*	
		For >100, Deduct	*-6.34*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	52.05	3.40
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.43*	
		For >100, Deduct	*-6.85*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	60.03	3.63
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.55*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	69.29	3.89
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-4.16*	
		For >100, Deduct	*-8.32*	
05 05 23 00-0056		Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*		
		Note: Includes A325 heavy hex nut and structural washer.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	21.76	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.94*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	21.98	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.95*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	23.75	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	27.87	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.65*	
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	29.38	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.87*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	24.42	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.07*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	29.16	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.71*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	32.76	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.04*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.14	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.59*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	30.74	2.48
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.63*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	34.25	2.73
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.11*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	38.50	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.51*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	46.41	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.04*	
		For >100, Deduct	*-6.08*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	32.27	2.57
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.83*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	41.18	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.82*	
		For >100, Deduct	*-5.64*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	44.69	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.00*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	54.97	3.20
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.38*	
		For >100, Deduct	*-6.76*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	54.70	3.20
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.37*	
		For >100, Deduct	*-6.74*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	58.26	3.40
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-7.16*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	67.14	3.63
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.95*	
		For >100, Deduct	*-7.91*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	76.71	3.89
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-4.35*	
		For >100, Deduct	*-8.69*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*
Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	22.93	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	30.31	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	32.22	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.02*	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	24.84	2.28
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.10*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	29.57	2.61
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.74*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	33.45	2.73
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.08*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	40.99	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.82*	
		For >100, Deduct	*-5.63*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	28.30	2.48
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.26*	
		For >100, Deduct	*-4.51*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	32.48	2.73
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.02*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	43.53	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.88*	
		For >100, Deduct	*-5.76*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	32.21	2.57
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.83*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	37.83	2.87
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.47*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	42.62	3.01
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.89*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	51.49	3.20
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.29*	
		For >100, Deduct	*-6.58*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	63.79	3.40
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.72*	
		For >100, Deduct	*-7.44*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	67.34	3.63
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.96*	
		For >100, Deduct	*-7.92*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	70.54	3.89
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-8.38*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.09	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.48	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.81	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.07	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.55	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.83	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.73	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.48	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.77	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.16	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.93	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.00	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.58	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.70	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.82	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.77	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.95	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.05	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.42	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.70	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.59	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.31	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.56	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.31	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.51	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.80	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.91	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.67	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.01	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.69	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.20	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.61	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.09	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.77	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.42	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.96	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.60	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.53	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.15	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.79	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.28	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0226		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.05	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.59	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.16	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.57	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.55	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.05	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.43	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.50	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.82	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.43	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.73	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.15	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.81	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.93	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.59	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.47	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.32	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.81	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.04	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.16	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.38	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.13	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.01	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.11	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.72	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.46	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.82	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.69	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.81	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.69	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.56	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.63	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.54	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.39	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.29	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.87	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.46	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.70	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.96	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.10	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.53	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.63	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.77	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.59	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.14	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.10	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.31	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.26	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.24	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.28	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	33.39	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	34.38	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	35.37	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.05	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.71	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.59	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.00	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.13	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.25	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.05	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.09	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.67	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.85	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.21	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.24	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.63	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.69	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.87	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.27	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.48	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.70	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.26	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.55	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.85	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.14	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.39	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.25	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.56	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.36	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.80	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.04	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.83	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.94	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.37	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.06	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.45	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.74	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.59	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.12	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.01	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.11	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.43	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.75	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.56	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.83	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.92	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.49	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.92	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.31	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.96	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.71	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.11	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.58	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.22	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.44	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.28	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.41	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.19	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.32	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.99	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.58	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.79	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.04	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.08	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.73	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.42	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.71	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.38	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.10	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.98	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.50	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.41	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.93	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.55	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.02	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.53	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.91	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.26	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.47	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.75	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.14	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.71	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.39	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.39	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.16	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.78	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.41	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.13	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.36	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.55	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.63	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.60	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.77	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.76	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.76	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.16	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.23	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.11	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.94	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.55	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.57	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.54	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.95	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.22	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.52	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.49	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.02	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.11	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.71	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.67	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	39.20	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	40.64	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	41.62	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.34	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.77	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.89	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.77	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.57	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.55	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.79	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.07	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0507		**3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0472)*		
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.30	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.57	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.13	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.70	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0524		**7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0472)*		
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.25	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.34	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.04	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.01	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.37	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.18	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.35	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.44	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.87	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.57	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.76	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.51	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.42	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.69	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.49	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.16	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.51	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.18	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.63	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.97	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.50	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.25	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.08	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.67	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.77	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.23	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.32	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.55	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.29	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.72	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.58	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.95	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.61	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.01	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.85	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.11	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.06	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.47	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.41	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.29	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.43	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.18	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.06	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.23	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.84	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.19	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.21	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.89	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.98	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.36	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.13	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.85	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.21	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.13	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.85	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.23	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.26	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.58	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.53	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.88	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.79	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.24	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.15	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.49	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.65	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.18	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.43	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.26	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.45	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.67	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.81	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.12	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	36.35	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.66	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.96	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.33	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.66	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.43	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.07	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.19	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.93	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.78	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.35	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.02	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.38	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.19	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.30	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.07	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.86	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.70	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.98	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.72	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.25	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.49	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	45.75	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	47.74	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.85	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.04	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.51	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.34	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.02	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.53	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.01	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.49	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.67	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.05	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.83	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.19	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.13	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.09	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.26	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.62	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.49	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.83	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.93	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.24	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.94	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.19	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.24	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.38	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.81	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.06	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.29	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.44	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.68	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.27	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.38	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.69	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.14	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.57	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.43	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.11	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.68	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.79	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.04	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.26	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.39	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.12	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.82	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.97	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.34	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.29	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.70	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.73	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.86	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.25	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.08	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.50	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.73	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.85	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.60	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.07	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.58	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.00	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.36	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.08	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.58	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.23	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.94	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.45	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.45	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.26	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.19	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.41	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.92	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.44	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.09	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.69	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.85	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.24	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.11	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.80	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.61	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.96	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.97	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.34	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.71	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.14	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.05	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.48	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.91	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.58	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.74	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.62	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	37.91	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.28	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.55	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.18	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.44	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.17	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.22	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.49	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.14	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.24	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.21	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.62	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.39	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.62	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.74	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.07	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.26	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.96	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.36	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.26	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.98	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.26	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.24	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.79	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.83	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.56	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.79	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.33	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.26	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.13	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.38	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.87	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.47	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.62	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.37	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.73	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.68	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.48	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.36	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.37	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.11	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.70	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.64	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.50	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.87	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.47	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.06	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.23	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.93	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.92	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.77	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.83	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.68	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.65	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.07	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.99	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.09	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.18	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.64	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.66	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.18	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.96	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.06	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.70	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.72	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.96	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.92	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.04	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.14	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.64	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.49	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.33	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.00	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.09	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.97	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.97	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.42	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.18	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.19	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.53	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.63	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.50	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.86	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.59	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.98	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.68	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.29	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.32	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.64	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.21	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.71	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.21	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.08	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.43	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.24	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.47	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.37	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.07	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.00	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.63	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.46	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.08	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.28	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.16	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.78	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.67	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.34	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.33	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.54	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.55	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.37	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	78.99	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.59	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.08	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.47	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.78	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.53	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.40	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.88	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.88	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.84	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.88	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.04	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.98	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.28	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.78	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	68.27	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	71.51	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	76.10	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	96.92	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	121.18	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.80	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	20.29	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	29.38	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	48.84	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	53.28	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.65	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.04	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.13	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.57	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.53	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.61	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	30.68	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.32	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.49	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-2.82*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.90	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.26	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.32	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-2.90*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.03	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.65	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.72	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-2.97*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.15	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.73	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.82	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.01	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.06	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.78	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.67	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.97	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.60	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.28	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.73	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.18	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	23.79	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.12	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.93	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.14	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.79	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.66	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.45	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.00	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.60	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.29	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	32.69	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.72	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	38.08	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.35*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.23	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	52.96	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.91	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	55.37	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	28.84	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.90	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	37.81	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.93	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	46.01	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.09	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.12*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	52.88	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.25	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	59.23	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.39	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	63.02	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.28*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	17.59	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.83	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.26	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.47	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.31	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	25.37	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.73	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	29.90	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.37	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	33.32	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.21	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	41.59	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.34	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	45.09	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.82	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	50.15	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.27	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	73.16	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	22.27	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.68	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	24.28	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-3.43*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.94	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	28.93	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.66	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-3.50*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	34.60	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.13	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	36.96	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-3.58*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.35	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	40.26	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.15	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	54.93	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.56	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	62.56	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.80	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	76.86	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	77.72	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	79.84	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.06	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	27.83	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.58	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	33.46	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.19	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.96	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.31	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	44.59	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.98	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.73	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.50	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	68.27	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.28	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	78.74	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	83.47	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	86.47	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	89.45	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	92.80	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	31.14	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.65	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	38.51	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.07	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.95	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.04	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	51.16	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.56	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.63	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	70.58	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.04*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	81.72	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.87	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	92.19	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.12*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	95.43	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	96.68	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.87	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	126.53	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.19*	

05 05 23 00-1162 Screws *(05 05 23)*

05 05 23 00-1163 Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*

Note: Includes Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.77	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.87*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.96	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.88*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.52	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.95*	
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.55	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.22*	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	8.07	
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.65*	
		For >100, Deduct	*-1.29*	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.90	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.71*	
		For >100, Deduct	*-1.43*	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	11.03	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.76*	
		For >100, Deduct	*-1.53*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.71	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.14	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.51	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.63	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.87	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.24	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.41	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.75*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.78	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.89	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.35	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.75*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.39	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.75*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.55	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.05	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.63	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.75	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.22	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.97	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.42*	
		For >100, Deduct	*-0.83*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.05	0.91
		For Left Hand Threaded Rod, Add	*0.12*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.87	1.00
		For Left Hand Threaded Rod, Add	*0.19*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.48	1.15
		For Left Hand Threaded Rod, Add	*0.22*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.79	1.17
		For Left Hand Threaded Rod, Add	*0.34*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.93	1.22
		For Left Hand Threaded Rod, Add	*0.35*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.15	1.23
		For Left Hand Threaded Rod, Add	*0.47*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.95	1.25
		For Left Hand Threaded Rod, Add	*0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.47	1.29
		For Left Hand Threaded Rod, Add	*0.99*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.54	1.34
		For Left Hand Threaded Rod, Add	*1.09*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.30	1.51
		For Left Hand Threaded Rod, Add	*1.53*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.61	1.68
		For Left Hand Threaded Rod, Add	*1.93*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	29.76	1.81
		For Left Hand Threaded Rod, Add	*2.60*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	36.74	1.97
		For Left Hand Threaded Rod, Add	*3.28*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	43.72	2.06
		For Left Hand Threaded Rod, Add	*3.96*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	53.34	2.16
		For Left Hand Threaded Rod, Add	*4.90*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	67.77	2.27
		For Left Hand Threaded Rod, Add	*6.32*	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.07	0.91
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.28	1.00
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.79	1.15
		For Left Hand Threaded Rod, Add	*0.25*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.56	1.17
		For Left Hand Threaded Rod, Add	*0.42*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.02	1.22
		For Left Hand Threaded Rod, Add	*0.46*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.92	1.23
		For Left Hand Threaded Rod, Add	*0.65*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.44	1.25
		For Left Hand Threaded Rod, Add	*0.69*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.75	1.29
		For Left Hand Threaded Rod, Add	*1.12*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.56	1.34
		For Left Hand Threaded Rod, Add	*1.49*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.36	1.51
		For Left Hand Threaded Rod, Add	*2.03*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	29.94	1.68
		For Left Hand Threaded Rod, Add	*2.66*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.65	1.81
		For Left Hand Threaded Rod, Add	*3.19*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	40.39	1.97
		For Left Hand Threaded Rod, Add	*3.64*	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	50.54	2.06
		For Left Hand Threaded Rod, Add	*4.64*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	62.32	2.16
		For Left Hand Threaded Rod, Add	*5.80*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	90.29	2.27
		For Left Hand Threaded Rod, Add	*8.58*	

05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.34	1.15
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.00	1.22
		For Left Hand Threaded Rod, Add	*0.76*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.21	1.25
		For Left Hand Threaded Rod, Add	*1.07*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	17.81	1.29
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	24.32	1.34
		For Left Hand Threaded Rod, Add	*2.17*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	31.22	1.51
		For Left Hand Threaded Rod, Add	*2.82*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	40.84	1.68
		For Left Hand Threaded Rod, Add	*3.75*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	53.48	1.81
		For Left Hand Threaded Rod, Add	*4.97*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	59.66	1.97
		For Left Hand Threaded Rod, Add	*5.57*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	70.80	2.06
		For Left Hand Threaded Rod, Add	*6.67*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	85.76	2.16
		For Left Hand Threaded Rod, Add	*8.14*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	148.57	2.27
		For Left Hand Threaded Rod, Add	*14.40*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.07	0.91
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.85	1.00
		For Left Hand Threaded Rod, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.42	1.15
		For Left Hand Threaded Rod, Add	*0.52*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.01	1.17
		For Left Hand Threaded Rod, Add	*0.77*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.86	1.22
		For Left Hand Threaded Rod, Add	*0.94*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.66	1.23
		For Left Hand Threaded Rod, Add	*1.42*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	17.38	1.25
		For Left Hand Threaded Rod, Add	*1.49*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.98	1.29
		For Left Hand Threaded Rod, Add	*2.14*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	32.66	1.34
		For Left Hand Threaded Rod, Add	*3.00*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	41.75	1.51
		For Left Hand Threaded Rod, Add	*3.87*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	87.39	1.81
		For Left Hand Threaded Rod, Add	*8.36*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	132.44	2.06
		For Left Hand Threaded Rod, Add	*12.83*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	136.26	2.16
		For Left Hand Threaded Rod, Add	*13.19*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	188.01	2.27
		For Left Hand Threaded Rod, Add	*18.35*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	5.59	0.91
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	8.66	1.00
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	11.36	1.15
		For Left Hand Threaded Rod, Add	*0.91*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	17.30	1.17
		For Left Hand Threaded Rod, Add	*1.50*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	18.32	1.22
		For Left Hand Threaded Rod, Add	*1.59*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	23.76	1.23
		For Left Hand Threaded Rod, Add	*2.13*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	25.52	1.25
		For Left Hand Threaded Rod, Add	*2.30*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	36.80	1.29
		For Left Hand Threaded Rod, Add	*3.42*	
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	50.06	1.34
		For Left Hand Threaded Rod, Add	*4.74*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	63.22	1.51
		For Left Hand Threaded Rod, Add	*6.02*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	132.49	1.81
		For Left Hand Threaded Rod, Add	*12.87*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	173.34	2.06
		For Left Hand Threaded Rod, Add	*16.92*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.80	0.91
		For Zinc Plating, Add	*1.50*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.12	1.00
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.52	1.15
		For Zinc Plating, Add	*2.63*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.17	1.17
		For Zinc Plating, Add	*2.91*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.94	1.22
		For Zinc Plating, Add	*3.26*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.96	1.23
		For Zinc Plating, Add	*4.25*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.30	1.25
		For Zinc Plating, Add	*4.40*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	14.74	1.29
		For Zinc Plating, Add	*6.08*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	17.52	1.34
		For Zinc Plating, Add	*7.43*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	22.57	1.51
		For Zinc Plating, Add	*9.77*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	29.16	1.68
		For Zinc Plating, Add	*12.90*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	32.48	1.81
		For Zinc Plating, Add	*14.35*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	37.33	1.97
		For Zinc Plating, Add	*16.69*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	45.16	2.06
		For Zinc Plating, Add	*20.52*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	46.71	2.16
		For Zinc Plating, Add	*21.19*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	62.24	2.27
		For Zinc Plating, Add	*28.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1283		Nuts And Washers *(05 05 23)*		
05 05 23 00-1284		Hex Nuts *(05 05 23 00-1283)*		
05 05 23 00-1285		Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.78	0.35
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.35
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.35
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.05	0.35
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.14	0.35
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.45	0.35
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.35
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.74	0.71
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.46	0.71
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.11	0.71
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.96	0.71
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	6.04	0.71
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.76	0.71
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	10.11	1.06
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	14.72	1.06
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	21.14	1.06
05 05 23 00-1302		Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.80	0.35
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.87	0.35
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.95	0.35
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.08	0.35
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.25	0.35
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.48	0.35
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.52	0.35
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.94	0.71
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.67	0.71
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.72	0.71
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	5.57	0.71
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.80	0.71
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	11.33	0.71
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.50	1.06
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	22.32	1.06
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	31.87	1.06
05 05 23 00-1319		Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.81	0.35
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.92	0.35
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.00	0.35
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.21	0.35
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.43	0.35
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.68	0.35
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.89	0.35
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.31	0.71
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.38	0.71
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.47	0.71
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	6.89	0.71
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.56	0.71
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.93	0.71
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	14.77	1.06
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	22.38	1.06
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	31.52	1.06
05 05 23 00-1336		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.35
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.35
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.98	0.35
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.19	0.35
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.36	0.35
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.35
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.63	0.35
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.13	0.71
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.01	0.71
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.10	0.71
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	6.67	0.71
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.51	0.71
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	12.50	0.71
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.55	1.06
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.17	1.06
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	43.31	1.06
05 05 23 00-1353		304 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.89	0.35
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	1.04	0.35
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.16	0.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.66	0.35
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.80	0.35
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	2.66	0.35
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.95	0.35
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	3.37	0.71
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	5.41	0.71
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	8.25	0.71
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	19.58	0.71
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	37.43	1.06
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	65.63	1.06
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	93.44	1.06

05 05 23 00-1368 316 Stainless Steel Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	1.02	0.35
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.16	0.35
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.36	0.35
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.14	0.35
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.30	0.35
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.08	0.35
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	3.46	0.35
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	4.76	0.71
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	6.55	0.71
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	10.06	0.71
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	30.24	0.71
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	48.78	1.06
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	82.18	1.06
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	152.55	1.06

05 05 23 00-1383 Flat Washers *(05 05 23 00-1283)*

05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.13	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.20	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.29	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.81	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.18	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.33	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.59	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.50	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.56	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.79	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.71	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.17	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.24	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.27	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.37	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.50	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.81	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.16	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.63	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.72	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.02	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.39	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.79	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.32	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.22	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	9.71	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.65	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.16	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.18	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.34	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.43	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.71	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.79	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.20	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.70	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.86	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.85	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.17	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.53	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	7.12	
05 05 23 00-1434		**304/18-8 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.19	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.27	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.49	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.90	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.12	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.64	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.67	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.53	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.47	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.20	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.60	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.92	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.22	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.97	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	17.62	
05 05 23 00-1451		**316 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.27	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.30	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.53	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.63	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.16	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.09	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.47	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.11	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.81	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	5.38	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.13	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.55	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.98	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	8.16	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	11.96	
05 05 23 00-1467		**Lock Washers** *(05 05 23 00-1283)*		
05 05 23 00-1468		**Zinc Plated Steel, Low Carbon Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.21	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.32	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.54	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.96	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.41	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.16	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.42	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.02	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.18	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.09	
05 05 23 00-1485		**Hot Dipped Galvanized Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.15	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.24	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.31	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.62	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.89	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.41	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.55	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.04	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.39	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.02	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.79	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.25	
05 05 23 00-1502		**304/18-8 Stainless Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.23	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.48	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.15	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.36	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.87	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.05	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.07	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.40	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	11.96	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	14.35	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.14	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.36	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.69	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.23	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.35	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	2.33	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.86	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	5.25	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	7.32	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	11.27	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	20.18	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	22.40	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.34	
05 05 23 00-1536	EA	5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.65	
05 05 23 00-1537	EA	3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.86	
05 05 23 00-1538	EA	7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.25	
05 05 23 00-1539	EA	1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.92	
05 05 23 00-1540	EA	1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	6.52	
05 05 23 00-1541	EA	1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.42	
05 05 23 00-1542	EA	1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.75	
05 05 23 00-1543	EA	1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	11.83	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.96	
05 05 23 00-1546	EA	5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.30	
05 05 23 00-1547	EA	3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.21	
05 05 23 00-1548	EA	7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.92	
05 05 23 00-1549	EA	1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.65	
05 05 23 00-1550	EA	1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	7.00	
05 05 23 00-1551	EA	1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.81	
05 05 23 00-1552	EA	1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	12.54	
05 05 23 00-1553	EA	1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	13.79	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer	3.87	
05 05 23 00-1557	EA	5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	3.95	
05 05 23 00-1558	EA	3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.04	
05 05 23 00-1559	EA	7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.90	
05 05 23 00-1560	EA	1", Plain Finish, (ASTM F436) Square Beveled Structural Washer	5.16	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.56	
05 05 23 00-1563	EA	5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.81	
05 05 23 00-1564	EA	3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.81	
05 05 23 00-1565	EA	7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.15	
05 05 23 00-1566	EA	1", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.54	
05 05 23 00-1567		Drilling In Existing Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	28.25	
		For Aluminum, Deduct	*-2.83*	
		For Stainless Steel, Add	*3.53*	
		For >5 To 10, Deduct	*-2.83*	
		For >10 To 25, Deduct	*-7.06*	
		For >25 To 50, Deduct	*-9.89*	
		For >50, Deduct	*-14.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	33.23	
		For Aluminum, Deduct	*-3.32*	
		For Stainless Steel, Add	*4.15*	
		For >5 To 10, Deduct	*-3.32*	
		For >10 To 25, Deduct	*-8.31*	
		For >25 To 50, Deduct	*-11.63*	
		For >50, Deduct	*-16.62*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	39.87	
		For Aluminum, Deduct	*-3.99*	
		For Stainless Steel, Add	*4.98*	
		For >5 To 10, Deduct	*-3.99*	
		For >10 To 25, Deduct	*-9.97*	
		For >25 To 50, Deduct	*-13.95*	
		For >50, Deduct	*-19.94*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	46.52	
		For Aluminum, Deduct	*-4.65*	
		For Stainless Steel, Add	*5.82*	
		For >5 To 10, Deduct	*-4.65*	
		For >10 To 25, Deduct	*-11.63*	
		For >25 To 50, Deduct	*-16.28*	
		For >50, Deduct	*-23.26*	
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	62.30	
		For Aluminum, Deduct	*-6.23*	
		For Stainless Steel, Add	*7.79*	
		For >5 To 10, Deduct	*-6.23*	
		For >10 To 25, Deduct	*-15.58*	
		For >25 To 50, Deduct	*-21.81*	
		For >50, Deduct	*-31.15*	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	33.23	
		For Aluminum, Deduct	*-3.32*	
		For Stainless Steel, Add	*4.15*	
		For >5 To 10, Deduct	*-3.32*	
		For >10 To 25, Deduct	*-8.31*	
		For >25 To 50, Deduct	*-11.63*	
		For >50, Deduct	*-16.62*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	41.53	
		For Aluminum, Deduct	*-4.15*	
		For Stainless Steel, Add	*5.19*	
		For >5 To 10, Deduct	*-4.15*	
		For >10 To 25, Deduct	*-10.38*	
		For >25 To 50, Deduct	*-14.54*	
		For >50, Deduct	*-20.77*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	49.85	
		For Aluminum, Deduct	*-4.99*	
		For Stainless Steel, Add	*6.23*	
		For >5 To 10, Deduct	*-4.99*	
		For >10 To 25, Deduct	*-12.46*	
		For >25 To 50, Deduct	*-17.45*	
		For >50, Deduct	*-24.93*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	62.30	
		For Aluminum, Deduct	*-6.23*	
		For Stainless Steel, Add	*7.79*	
		For >5 To 10, Deduct	*-6.23*	
		For >10 To 25, Deduct	*-15.58*	
		For >25 To 50, Deduct	*-21.81*	
		For >50, Deduct	*-31.15*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	41.53	
		For Aluminum, Deduct	*-4.15*	
		For Stainless Steel, Add	*5.19*	
		For >5 To 10, Deduct	*-4.15*	
		For >10 To 25, Deduct	*-10.38*	
		For >25 To 50, Deduct	*-14.54*	
		For >50, Deduct	*-20.77*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	54.83	
		For Aluminum, Deduct	*-5.48*	
		For Stainless Steel, Add	*6.85*	
		For >5 To 10, Deduct	*-5.48*	
		For >10 To 25, Deduct	*-13.71*	
		For >25 To 50, Deduct	*-19.19*	
		For >50, Deduct	*-27.42*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	66.46	
		For Aluminum, Deduct	*-6.65*	
		For Stainless Steel, Add	*8.31*	
		For >5 To 10, Deduct	*-6.65*	
		For >10 To 25, Deduct	*-16.62*	
		For >25 To 50, Deduct	*-23.26*	
		For >50, Deduct	*-33.23*	

05 05 23 00-1580 Cutting Existing Steel With Torch *(05 05 23)*

05 05 23 00-1581	LF	Torch Cutting, Milled Steel Up To 1/4" Thick	11.16	

05 05 23 00-1582 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1583	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	5.32	
05 05 23 00-1584	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	5.42	
05 05 23 00-1585	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	5.46	
05 05 23 00-1586	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	5.50	
05 05 23 00-1587	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.36	
05 05 23 00-1588	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.83	
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.95	
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.08	
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.56	
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.96	
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	7.28	
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.45	
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.48	
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.84	
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.19	
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.62	
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.28	
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.71	
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	9.88	
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	12.08	
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.88	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.44	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.89	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.35	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.72	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	11.06	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	11.51	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	13.40	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	16.01	

05 05 23 00-1613 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	11.21	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	11.61	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	11.72	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	11.77	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	12.22	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	13.05	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	21.05	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	14.01	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	15.47	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	20.89	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	21.34	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	22.94	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	29.64	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	13.21	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	13.85	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	14.48	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	16.32	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	21.87	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	23.82	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	25.73	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	31.10	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	17.38	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	19.35	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	22.25	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	29.13	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	32.16	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	35.19	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0003	TON Up To 30 Lb./LF Beams, Girders And Columns	11,019.30	1,887.34
	For ASTM A242 Type 2 High Strength Steel, Add	*569.18*	
	For Hot Dip Galvanizing, Add	*1,992.14*	
	For >10 To 25 Tons, Deduct	*-604.76*	
	For >25 To 50 Tons, Deduct	*-1,245.09*	
	For >50 To 75 Tons, Deduct	*-1,778.70*	
	For >75 Tons, Deduct	*-889.35*	
05 12 23 00-0004	TON >30-65 Lb./LF Beams, Girders And Columns	7,140.67	1,220.04
	For ASTM A242 Type 2 High Strength Steel, Add	*467.13*	
	For Hot Dip Galvanizing, Add	*1,634.97*	
	For >10 To 25 Tons, Deduct	*-496.33*	
	For >25 To 50 Tons, Deduct	*-1,021.85*	
	For >50 To 75 Tons, Deduct	*-1,459.79*	
	For >75 Tons, Deduct	*-729.90*	
05 12 23 00-0005	TON >65-100 Lb./LF Beams, Girders And Columns	5,916.02	686.34
	For ASTM A242 Type 2 High Strength Steel, Add	*414.71*	
	For Hot Dip Galvanizing, Add	*1,451.50*	
	For >10 To 25 Tons, Deduct	*-440.63*	
	For >25 To 50 Tons, Deduct	*-907.19*	
	For >50 To 75 Tons, Deduct	*-1,295.98*	
	For >75 Tons, Deduct	*-647.99*	
05 12 23 00-0006	TON >100-300 Lb./LF Beams, Girders And Columns	3,934.27	365.31
	For ASTM A242 Type 2 High Strength Steel, Add	*283.51*	
	For Hot Dip Galvanizing, Add	*992.27*	
	For >10 To 25 Tons, Deduct	*-301.22*	
	For >25 To 50 Tons, Deduct	*-620.17*	
	For >50 To 75 Tons, Deduct	*-885.96*	
	For >75 Tons, Deduct	*-442.98*	
05 12 23 00-0007	Trusses, Built-Up *(05 12 23 00-0001)*		
05 12 23 00-0008	TON Built-Up Trusses, Rolled Structural Steel Members	7,572.02	1,283.55
	For ASTM A242 Type 2 High Strength Steel, Add	*496.29*	
	For Hot Dip Galvanizing, Add	*1,737.01*	
	For >10 To 25 Tons, Deduct	*-527.31*	
	For >25 To 50 Tons, Deduct	*-1,085.63*	
	For >50 To 75 Tons, Deduct	*-1,550.91*	
	For >75 Tons, Deduct	*-775.45*	
05 12 23 00-0009	Shapes *(05 12 23 00-0001)*		
05 12 23 00-0010	Rolled Shape Steel Angles *(05 12 23 00-0009)*		
05 12 23 00-0011	TON Up To 10 Lb./LF Rolled Shape Steel Angles	16,122.36	3,508.56
	For ASTM A242 Type 2 High Strength Steel, Add	*821.98*	
	For Hot Dip Galvanizing, Add	*2,876.93*	
	For >10 To 25 Tons, Deduct	*-873.35*	
	For >25 To 50 Tons, Deduct	*-1,798.08*	
	For >50 To 75 Tons, Deduct	*-2,568.69*	
	For >75 Tons, Deduct	*-1,284.34*	
05 12 23 00-0012	TON >10 To 20 Lb./LF Rolled Shape Steel Angles	13,733.38	2,059.01
	For ASTM A242 Type 2 High Strength Steel, Add	*786.31*	
	For Hot Dip Galvanizing, Add	*2,752.08*	
	For >10 To 25 Tons, Deduct	*-835.45*	
	For >25 To 50 Tons, Deduct	*-1,720.05*	
	For >50 To 75 Tons, Deduct	*-2,457.22*	
	For >75 Tons, Deduct	*-1,228.61*	
05 12 23 00-0013	TON >20 To 58 Lb./LF Rolled Shape Steel Angles	9,947.60	1,220.04
	For ASTM A242 Type 2 High Strength Steel, Add	*691.70*	
	For Hot Dip Galvanizing, Add	*2,420.96*	
	For >10 To 25 Tons, Deduct	*-734.94*	
	For >25 To 50 Tons, Deduct	*-1,513.10*	
	For >50 To 75 Tons, Deduct	*-2,161.58*	
	For >75 Tons, Deduct	*-1,080.79*	
05 12 23 00-0014	Rolled C, MC Steel Channels *(05 12 23 00-0009)*		
05 12 23 00-0015	TON Up To 10 Lb./LF Rolled C, MC Steel Channels	18,164.65	4,804.37
	For ASTM A242 Type 2 High Strength Steel, Add	*809.57*	
	For Hot Dip Galvanizing, Add	*2,833.50*	
	For >10 To 25 Tons, Deduct	*-860.17*	
	For >25 To 50 Tons, Deduct	*-1,770.94*	
	For >50 To 75 Tons, Deduct	*-2,529.92*	
	For >75 Tons, Deduct	*-1,264.96*	
05 12 23 00-0016	TON >10 To 20 Rolled C, MC Steel Channels	13,597.67	3,660.48
	For ASTM A242 Type 2 High Strength Steel, Add	*775.45*	
	For Hot Dip Galvanizing, Add	*2,714.08*	
	For >10 To 25 Tons, Deduct	*-823.92*	
	For >25 To 50 Tons, Deduct	*-1,696.30*	
	For >50 To 75 Tons, Deduct	*-2,423.29*	
	For >75 Tons, Deduct	*-1,211.65*	
05 12 23 00-0017	TON >20 To 58 Lb./LF Rolled C, MC Steel Channels	9,792.51	1,220.04
	For ASTM A242 Type 2 High Strength Steel, Add	*679.30*	
	For Hot Dip Galvanizing, Add	*2,377.54*	
	For >10 To 25 Tons, Deduct	*-721.75*	
	For >25 To 50 Tons, Deduct	*-1,485.96*	
	For >50 To 75 Tons, Deduct	*-2,122.80*	
	For >75 Tons, Deduct	*-1,061.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 Lb./LF Double L Shape Steel Angles	14,760.05	2,783.79
		For ASTM A242 Type 2 High Strength Steel, Add	*790.96*	
		For Hot Dip Galvanizing, Add	*2,768.37*	
		For >10 To 25 Tons, Deduct	*-840.40*	
		For >25 To 50 Tons, Deduct	*-1,730.23*	
		For >50 To 75 Tons, Deduct	*-2,471.76*	
		For >75 Tons, Deduct	*-1,235.88*	
05 12 23 00-0020	TON	>20 To 50 Lb./LF Double L Shape Steel Angles	10,606.74	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*744.44*	
		For Hot Dip Galvanizing, Add	*2,605.52*	
		For >10 To 25 Tons, Deduct	*-790.96*	
		For >25 To 50 Tons, Deduct	*-1,628.45*	
		For >50 To 75 Tons, Deduct	*-2,326.36*	
		For >75 Tons, Deduct	*-1,163.18*	
05 12 23 00-0021	TON	>50 To 80 Lb./LF Double L Shape Steel Angles	7,905.04	686.34
		For ASTM A242 Type 2 High Strength Steel, Add	*573.84*	
		For Hot Dip Galvanizing, Add	*2,008.42*	
		For >10 To 25 Tons, Deduct	*-609.70*	
		For >25 To 50 Tons, Deduct	*-1,255.26*	
		For >50 To 75 Tons, Deduct	*-1,793.24*	
		For >75 Tons, Deduct	*-896.62*	
05 12 23 00-0022	TON	>80 To 115 Lb./LF Double L Shape Steel Angles	5,042.56	365.86
		For ASTM A242 Type 2 High Strength Steel, Add	*372.22*	
		For Hot Dip Galvanizing, Add	*1,302.76*	
		For >10 To 25 Tons, Deduct	*-395.48*	
		For >25 To 50 Tons, Deduct	*-814.23*	
		For >50 To 75 Tons, Deduct	*-1,163.18*	
		For >75 Tons, Deduct	*-581.59*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	13,209.95	2,059.01
		For ASTM A242 Type 2 High Strength Steel, Add	*744.44*	
		For Hot Dip Galvanizing, Add	*2,605.52*	
		For >10 To 25 Tons, Deduct	*-790.96*	
		For >25 To 50 Tons, Deduct	*-1,628.45*	
		For >50 To 75 Tons, Deduct	*-2,326.36*	
		For >75 Tons, Deduct	*-1,163.18*	
05 12 23 00-0025	TON	>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	8,416.28	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*569.18*	
		For Hot Dip Galvanizing, Add	*1,992.14*	
		For >10 To 25 Tons, Deduct	*-604.76*	
		For >25 To 50 Tons, Deduct	*-1,245.09*	
		For >50 To 75 Tons, Deduct	*-1,778.70*	
		For >75 Tons, Deduct	*-889.35*	
05 12 23 00-0026	TON	>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	6,548.00	686.34
		For ASTM A242 Type 2 High Strength Steel, Add	*465.27*	
		For Hot Dip Galvanizing, Add	*1,628.45*	
		For >10 To 25 Tons, Deduct	*-494.35*	
		For >25 To 50 Tons, Deduct	*-1,017.78*	
		For >50 To 75 Tons, Deduct	*-1,453.98*	
		For >75 Tons, Deduct	*-726.99*	
05 12 23 00-0027	TON	>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	4,771.76	365.31
		For ASTM A242 Type 2 High Strength Steel, Add	*350.50*	
		For Hot Dip Galvanizing, Add	*1,226.77*	
		For >10 To 25 Tons, Deduct	*-372.41*	
		For >25 To 50 Tons, Deduct	*-766.73*	
		For >50 To 75 Tons, Deduct	*-1,095.33*	
		For >75 Tons, Deduct	*-547.66*	
05 12 23 00-0028		**Combination Section Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0029		**Combination Section, W Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 Lb./LF Combination Section - W Shapes And Angles	12,608.96	2,059.01
		For ASTM A242 Type 2 High Strength Steel, Add	*696.36*	
		For Hot Dip Galvanizing, Add	*2,437.25*	
		For >10 To 25 Tons, Deduct	*-739.88*	
		For >25 To 50 Tons, Deduct	*-1,523.28*	
		For >50 To 75 Tons, Deduct	*-2,176.11*	
		For >75 Tons, Deduct	*-1,088.06*	
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles	8,474.45	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*573.84*	
		For Hot Dip Galvanizing, Add	*2,008.43*	
		For >10 To 25 Tons, Deduct	*-609.70*	
		For >25 To 50 Tons, Deduct	*-1,255.27*	
		For >50 To 75 Tons, Deduct	*-1,793.24*	
		For >75 Tons, Deduct	*-896.62*	
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles	6,063.34	686.34
		For ASTM A242 Type 2 High Strength Steel, Add	*426.50*	
		For Hot Dip Galvanizing, Add	*1,492.75*	
		For >10 To 25 Tons, Deduct	*-453.16*	
		For >25 To 50 Tons, Deduct	*-932.97*	
		For >50 To 75 Tons, Deduct	*-1,332.81*	
		For >75 Tons, Deduct	*-666.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,158.88	365.31
		For ASTM A242 Type 2 High Strength Steel, Add	*381.52*	
		For Hot Dip Galvanizing, Add	*1,335.33*	
		For >10 To 25 Tons, Deduct	*-405.37*	
		For >25 To 50 Tons, Deduct	*-834.58*	
		For >50 To 75 Tons, Deduct	*-1,192.26*	
		For >75 Tons, Deduct	*-596.13*	
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	4,402.07	183.39
		For ASTM A242 Type 2 High Strength Steel, Add	*336.55*	
		For Hot Dip Galvanizing, Add	*1,177.92*	
		For >10 To 25 Tons, Deduct	*-357.58*	
		For >25 To 50 Tons, Deduct	*-736.20*	
		For >50 To 75 Tons, Deduct	*-1,051.71*	
		For >75 Tons, Deduct	*-525.86*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	8,164.26	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*549.02*	
		For Hot Dip Galvanizing, Add	*1,921.57*	
		For >10 To 25 Tons, Deduct	*-583.33*	
		For >25 To 50 Tons, Deduct	*-1,200.98*	
		For >50 To 75 Tons, Deduct	*-1,715.69*	
		For >75 Tons, Deduct	*-857.85*	
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,082.73	686.34
		For ASTM A242 Type 2 High Strength Steel, Add	*428.05*	
		For Hot Dip Galvanizing, Add	*1,498.18*	
		For >10 To 25 Tons, Deduct	*-454.80*	
		For >25 To 50 Tons, Deduct	*-936.36*	
		For >50 To 75 Tons, Deduct	*-1,337.66*	
		For >75 Tons, Deduct	*-668.83*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	13,209.95	2,059.01
		For ASTM A242 Type 2 High Strength Steel, Add	*744.44*	
		For Hot Dip Galvanizing, Add	*2,605.52*	
		For >10 To 25 Tons, Deduct	*-790.96*	
		For >25 To 50 Tons, Deduct	*-1,628.45*	
		For >50 To 75 Tons, Deduct	*-2,326.36*	
		For >75 Tons, Deduct	*-1,163.18*	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	8,862.17	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*604.85*	
		For Hot Dip Galvanizing, Add	*2,116.99*	
		For >10 To 25 Tons, Deduct	*-642.66*	
		For >25 To 50 Tons, Deduct	*-1,323.12*	
		For >50 To 75 Tons, Deduct	*-1,890.17*	
		For >75 Tons, Deduct	*-945.08*	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	6,218.43	686.34
		For ASTM A242 Type 2 High Strength Steel, Add	*438.91*	
		For Hot Dip Galvanizing, Add	*1,536.17*	
		For >10 To 25 Tons, Deduct	*-466.34*	
		For >25 To 50 Tons, Deduct	*-960.11*	
		For >50 To 75 Tons, Deduct	*-1,371.58*	
		For >75 Tons, Deduct	*-685.79*	

05 12 23 00-0042 Standard Weight Pipe *(05 12 23 00-0001)*

05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	7,219.88	1,098.14
		For ASTM A242 Type 2 High Strength Steel, Add	*483.88*	
		For Hot Dip Galvanizing, Add	*1,693.59*	
		For >10 To 25 Tons, Deduct	*-514.13*	
		For >25 To 50 Tons, Deduct	*-1,058.49*	
		For >50 To 75 Tons, Deduct	*-1,512.13*	
		For >75 Tons, Deduct	*-756.07*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	7,784.13	1,372.68
		For ASTM A242 Type 2 High Strength Steel, Add	*505.60*	
		For Hot Dip Galvanizing, Add	*1,769.58*	
		For >10 To 25 Tons, Deduct	*-537.19*	
		For >25 To 50 Tons, Deduct	*-1,105.99*	
		For >50 To 75 Tons, Deduct	*-1,579.99*	
		For >75 Tons, Deduct	*-789.99*	

05 12 23 00-0045 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0046 Steel Rods *(05 12 23 00-0045)*

05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	7,661.55	858.02
		For ASTM A242 Type 2 High Strength Steel, Add	*539.72*	
		For Hot Dip Galvanizing, Add	*1,889.00*	
		For >10 To 25 Tons, Deduct	*-573.45*	
		For >25 To 50 Tons, Deduct	*-1,180.63*	
		For >50 To 75 Tons, Deduct	*-1,686.61*	
		For >75 Tons, Deduct	*-843.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	8,862.17	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*604.85*	
		For Hot Dip Galvanizing, Add	*2,116.99*	
		For >10 To 25 Tons, Deduct	*-642.66*	
		For >25 To 50 Tons, Deduct	*-1,323.12*	
		For >50 To 75 Tons, Deduct	*-1,890.17*	
		For >75 Tons, Deduct	*-945.08*	

05 12 23 00-0049 Column Base Plates *(05 12 23 00-0045)*

05 12 23 00-0050	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items	4.26	1.27
		For ASTM A242 Type 2 High Strength Steel, Add	*0.23*	
		For Hot Dip Galvanizing, Add	*0.81*	
05 12 23 00-0051	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	3.97	1.09
		For ASTM A242 Type 2 High Strength Steel, Add	*0.22*	
		For Hot Dip Galvanizing, Add	*0.77*	
05 12 23 00-0052	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items	7,207.53	1,134.94
		For ASTM A242 Type 2 High Strength Steel, Add	*479.75*	
		For Hot Dip Galvanizing, Add	*1,679.14*	
		For >10 To 25 Tons, Deduct	*-509.74*	
		For >25 To 50 Tons, Deduct	*-1,049.46*	
		For >50 To 75 Tons, Deduct	*-1,499.23*	
		For >75 Tons, Deduct	*-749.62*	
05 12 23 00-0053	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	5,063.86	680.96
		For ASTM A242 Type 2 High Strength Steel, Add	*347.00*	
		For Hot Dip Galvanizing, Add	*1,214.50*	
		For >10 To 25 Tons, Deduct	*-368.69*	
		For >25 To 50 Tons, Deduct	*-759.06*	
		For >50 To 75 Tons, Deduct	*-1,084.38*	
		For >75 Tons, Deduct	*-542.19*	

05 12 23 00-0054 Double Extra Strong Pipes *(05 12 23 00-0045)*

05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	9,389.12	1,568.69
		For ASTM A242 Type 2 High Strength Steel, Add	*617.26*	
		For Hot Dip Galvanizing, Add	*2,160.41*	
		For >10 To 25 Tons, Deduct	*-655.84*	
		For >25 To 50 Tons, Deduct	*-1,350.26*	
		For >50 To 75 Tons, Deduct	*-1,928.94*	
		For >75 Tons, Deduct	*-964.47*	
05 12 23 00-0056	TON	>5" To 8" Diameter Double Extra Strong Pipe	8,616.80	844.66
		For ASTM A242 Type 2 High Strength Steel, Add	*617.26*	
		For Hot Dip Galvanizing, Add	*2,160.41*	
		For >10 To 25 Tons, Deduct	*-655.84*	
		For >25 To 50 Tons, Deduct	*-1,350.26*	
		For >50 To 75 Tons, Deduct	*-1,928.94*	
		For >75 Tons, Deduct	*-964.47*	

05 12 23 00-0057 Structural Pipes *(05 12 23 00-0045)*

05 12 23 00-0058	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	6,543.32	724.78
		For ASTM A242 Type 2 High Strength Steel, Add	*434.25*	
		For Hot Dip Galvanizing, Add	*1,519.89*	
		For >10 To 25 Tons, Deduct	*-461.39*	
		For >25 To 50 Tons, Deduct	*-949.93*	
		For >50 To 75 Tons, Deduct	*-1,357.04*	
		For >75 Tons, Deduct	*-678.52*	
05 12 23 00-0059	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,272.24	835.87
		For ASTM A242 Type 2 High Strength Steel, Add	*434.25*	
		For Hot Dip Galvanizing, Add	*1,519.89*	
		For >10 To 25 Tons, Deduct	*-461.39*	
		For >25 To 50 Tons, Deduct	*-949.93*	
		For >50 To 75 Tons, Deduct	*-1,357.04*	
		For >75 Tons, Deduct	*-678.52*	

05 12 23 00-0060 Structural Tubing *(05 12 23 00-0045)*

05 12 23 00-0061 Rectangle Structural Tubing *(05 12 23 00-0060)*

05 12 23 00-0062	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	10,474.06	732.10
		For ASTM A242 Type 2 High Strength Steel, Add	*775.45*	
		For Hot Dip Galvanizing, Add	*2,714.08*	
		For >10 To 25 Tons, Deduct	*-823.92*	
		For >25 To 50 Tons, Deduct	*-1,696.30*	
		For >50 To 75 Tons, Deduct	*-2,423.29*	
		For >75 Tons, Deduct	*-1,211.65*	
05 12 23 00-0063	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle	10,594.20	844.66
		For ASTM A242 Type 2 High Strength Steel, Add	*775.45*	
		For Hot Dip Galvanizing, Add	*2,714.08*	
		For >10 To 25 Tons, Deduct	*-823.92*	
		For >25 To 50 Tons, Deduct	*-1,696.30*	
		For >50 To 75 Tons, Deduct	*-2,423.29*	
		For >75 Tons, Deduct	*-1,211.65*	
05 12 23 00-0064	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	9,312.25	915.11
		For ASTM A242 Type 2 High Strength Steel, Add	*666.89*	
		For Hot Dip Galvanizing, Add	*2,334.11*	
		For >10 To 25 Tons, Deduct	*-708.57*	
		For >25 To 50 Tons, Deduct	*-1,458.82*	
		For >50 To 75 Tons, Deduct	*-2,084.03*	
		For >75 Tons, Deduct	*-1,042.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0065	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	8,925.88	1,098.14
		For ASTM A242 Type 2 High Strength Steel, Add	*620.36*	
		For Hot Dip Galvanizing, Add	*2,171.27*	
		For >10 To 25 Tons, Deduct	*-659.14*	
		For >25 To 50 Tons, Deduct	*-1,357.04*	
		For >50 To 75 Tons, Deduct	*-1,938.63*	
		For >75 Tons, Deduct	*-969.32*	
05 12 23 00-0066	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	8,829.34	1,220.04
		For ASTM A242 Type 2 High Strength Steel, Add	*602.23*	
		For Hot Dip Galvanizing, Add	*2,107.80*	
		For >10 To 25 Tons, Deduct	*-639.87*	
		For >25 To 50 Tons, Deduct	*-1,317.37*	
		For >50 To 75 Tons, Deduct	*-1,881.96*	
		For >75 Tons, Deduct	*-940.98*	
05 12 23 00-0067	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	9,151.36	1,688.39
		For ASTM A242 Type 2 High Strength Steel, Add	*588.03*	
		For Hot Dip Galvanizing, Add	*2,058.11*	
		For >10 To 25 Tons, Deduct	*-624.78*	
		For >25 To 50 Tons, Deduct	*-1,286.32*	
		For >50 To 75 Tons, Deduct	*-1,837.60*	
		For >75 Tons, Deduct	*-918.80*	
05 12 23 00-0068	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	9,708.82	2,231.97
		For ASTM A242 Type 2 High Strength Steel, Add	*586.24*	
		For Hot Dip Galvanizing, Add	*2,051.85*	
		For >10 To 25 Tons, Deduct	*-622.88*	
		For >25 To 50 Tons, Deduct	*-1,282.41*	
		For >50 To 75 Tons, Deduct	*-1,832.01*	
		For >75 Tons, Deduct	*-916.00*	
05 12 23 00-0069	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	10,006.27	2,438.06
		For ASTM A242 Type 2 High Strength Steel, Add	*592.45*	
		For Hot Dip Galvanizing, Add	*2,073.56*	
		For >10 To 25 Tons, Deduct	*-629.47*	
		For >25 To 50 Tons, Deduct	*-1,295.98*	
		For >50 To 75 Tons, Deduct	*-1,851.40*	
		For >75 Tons, Deduct	*-925.70*	
05 12 23 00-0070	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle	10,333.96	2,745.35
		For ASTM A242 Type 2 High Strength Steel, Add	*592.45*	
		For Hot Dip Galvanizing, Add	*2,073.56*	
		For >10 To 25 Tons, Deduct	*-629.47*	
		For >25 To 50 Tons, Deduct	*-1,295.98*	
		For >50 To 75 Tons, Deduct	*-1,851.40*	
		For >75 Tons, Deduct	*-925.70*	
05 12 23 00-0071	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle	11,232.53	3,660.48
		For ASTM A242 Type 2 High Strength Steel, Add	*586.24*	
		For Hot Dip Galvanizing, Add	*2,051.85*	
		For >10 To 25 Tons, Deduct	*-622.88*	
		For >25 To 50 Tons, Deduct	*-1,282.41*	
		For >50 To 75 Tons, Deduct	*-1,832.01*	
		For >75 Tons, Deduct	*-916.00*	
05 12 23 00-0072	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle	13,286.22	5,767.62
		For ASTM A242 Type 2 High Strength Steel, Add	*570.73*	
		For Hot Dip Galvanizing, Add	*1,997.57*	
		For >10 To 25 Tons, Deduct	*-606.40*	
		For >25 To 50 Tons, Deduct	*-1,248.48*	
		For >50 To 75 Tons, Deduct	*-1,783.54*	
		For >75 Tons, Deduct	*-891.77*	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle	15,794.85	8,421.47
		For ASTM A242 Type 2 High Strength Steel, Add	*544.97*	
		For Hot Dip Galvanizing, Add	*1,907.39*	
		For >10 To 25 Tons, Deduct	*-579.03*	
		For >25 To 50 Tons, Deduct	*-1,192.12*	
		For >50 To 75 Tons, Deduct	*-1,703.02*	
		For >75 Tons, Deduct	*-851.51*	

05 12 23 00-0074 Square Structural Tubing *(05 12 23 00-0060)*

05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square	10,425.26	686.34
		For ASTM A242 Type 2 High Strength Steel, Add	*775.45*	
		For Hot Dip Galvanizing, Add	*2,714.08*	
		For >10 To 25 Tons, Deduct	*-823.92*	
		For >25 To 50 Tons, Deduct	*-1,696.30*	
		For >50 To 75 Tons, Deduct	*-2,423.29*	
		For >75 Tons, Deduct	*-1,211.65*	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square	10,474.06	732.10
		For ASTM A242 Type 2 High Strength Steel, Add	*775.45*	
		For Hot Dip Galvanizing, Add	*2,714.08*	
		For >10 To 25 Tons, Deduct	*-823.92*	
		For >25 To 50 Tons, Deduct	*-1,696.30*	
		For >50 To 75 Tons, Deduct	*-2,423.29*	
		For >75 Tons, Deduct	*-1,211.65*	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square	9,506.11	915.11
		For ASTM A242 Type 2 High Strength Steel, Add	*682.40*	
		For Hot Dip Galvanizing, Add	*2,388.39*	
		For >10 To 25 Tons, Deduct	*-725.05*	
		For >25 To 50 Tons, Deduct	*-1,492.75*	
		For >50 To 75 Tons, Deduct	*-2,132.50*	
		For >75 Tons, Deduct	*-1,066.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square	9,507.47	1,098.14
		For ASTM A242 Type 2 High Strength Steel, Add	*666.89*	
		For Hot Dip Galvanizing, Add	*2,334.11*	
		For >10 To 25 Tons, Deduct	*-708.57*	
		For >25 To 50 Tons, Deduct	*-1,458.82*	
		For >50 To 75 Tons, Deduct	*-2,084.03*	
		For >75 Tons, Deduct	*-1,042.02*	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square	7,822.90	1,372.68
		For ASTM A242 Type 2 High Strength Steel, Add	*508.70*	
		For Hot Dip Galvanizing, Add	*1,780.44*	
		For >10 To 25 Tons, Deduct	*-540.49*	
		For >25 To 50 Tons, Deduct	*-1,112.77*	
		For >50 To 75 Tons, Deduct	*-1,589.68*	
		For >75 Tons, Deduct	*-794.84*	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square	8,032.07	1,568.69
		For ASTM A242 Type 2 High Strength Steel, Add	*508.70*	
		For Hot Dip Galvanizing, Add	*1,780.44*	
		For >10 To 25 Tons, Deduct	*-540.49*	
		For >25 To 50 Tons, Deduct	*-1,112.77*	
		For >50 To 75 Tons, Deduct	*-1,589.68*	
		For >75 Tons, Deduct	*-794.84*	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square	8,701.41	2,196.28
		For ASTM A242 Type 2 High Strength Steel, Add	*508.70*	
		For Hot Dip Galvanizing, Add	*1,780.44*	
		For >10 To 25 Tons, Deduct	*-540.49*	
		For >25 To 50 Tons, Deduct	*-1,112.77*	
		For >50 To 75 Tons, Deduct	*-1,589.68*	
		For >75 Tons, Deduct	*-794.84*	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square	9,403.41	2,745.35
		For ASTM A242 Type 2 High Strength Steel, Add	*518.00*	
		For Hot Dip Galvanizing, Add	*1,813.01*	
		For >10 To 25 Tons, Deduct	*-550.38*	
		For >25 To 50 Tons, Deduct	*-1,133.13*	
		For >50 To 75 Tons, Deduct	*-1,618.76*	
		For >75 Tons, Deduct	*-809.38*	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square	11,426.40	3,660.48
		For ASTM A242 Type 2 High Strength Steel, Add	*601.75*	
		For Hot Dip Galvanizing, Add	*2,106.13*	
		For >10 To 25 Tons, Deduct	*-639.36*	
		For >25 To 50 Tons, Deduct	*-1,316.33*	
		For >50 To 75 Tons, Deduct	*-1,880.47*	
		For >75 Tons, Deduct	*-940.24*	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square	13,378.65	5,490.71
		For ASTM A242 Type 2 High Strength Steel, Add	*601.75*	
		For Hot Dip Galvanizing, Add	*2,106.13*	
		For >10 To 25 Tons, Deduct	*-639.36*	
		For >25 To 50 Tons, Deduct	*-1,316.33*	
		For >50 To 75 Tons, Deduct	*-1,880.47*	
		For >75 Tons, Deduct	*-940.24*	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square	13,349.16	6,444.45
		For ASTM A242 Type 2 High Strength Steel, Add	*518.00*	
		For Hot Dip Galvanizing, Add	*1,813.01*	
		For >10 To 25 Tons, Deduct	*-550.38*	
		For >25 To 50 Tons, Deduct	*-1,133.13*	
		For >50 To 75 Tons, Deduct	*-1,618.76*	
		For >75 Tons, Deduct	*-809.38*	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square	16,349.56	8,421.47
		For ASTM A242 Type 2 High Strength Steel, Add	*589.34*	
		For Hot Dip Galvanizing, Add	*2,062.70*	
		For >10 To 25 Tons, Deduct	*-626.18*	
		For >25 To 50 Tons, Deduct	*-1,289.19*	
		For >50 To 75 Tons, Deduct	*-1,841.70*	
		For >75 Tons, Deduct	*-920.85*	
05 12 23 00-0087	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square	19,235.41	10,981.42
		For ASTM A242 Type 2 High Strength Steel, Add	*601.75*	
		For Hot Dip Galvanizing, Add	*2,106.13*	
		For >10 To 25 Tons, Deduct	*-639.36*	
		For >25 To 50 Tons, Deduct	*-1,316.33*	
		For >50 To 75 Tons, Deduct	*-1,880.47*	
		For >75 Tons, Deduct	*-940.24*	

05 12 23 00-0088 Structural Shapes *(05 12 23 00-0045)*

05 12 23 00-0089	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts	10,960.40	4,539.76
		For ASTM A242 Type 2 High Strength Steel, Add	*300.35*	
		For Hot Dip Galvanizing, Add	*1,051.24*	
		For >20 To 50 Lb./LF, Deduct	*-1,456.34*	
		For >50 To 75 Lb./LF, Deduct	*-2,364.66*	
		For >75 To 100 Lb./LF, Deduct	*-3,272.98*	
		For >10 To 25 Tons, Deduct	*-319.13*	
		For >25 To 50 Tons, Deduct	*-657.03*	
		For >50 To 75 Tons, Deduct	*-938.61*	
		For >75 Tons, Deduct	*-469.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0090	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 Lb. per SF	8,618.52	1,815.91
		For ASTM A242 Type 2 High Strength Steel, Add	*496.30*	
		For Hot Dip Galvanizing, Add	*1,737.05*	
		For >21.5 To 50 Lb./LF, Deduct	*-982.59*	
		For >10 To 25 Tons, Deduct	*-527.32*	
		For >25 To 50 Tons, Deduct	*-1,085.66*	
		For >50 To 75 Tons, Deduct	*-1,550.94*	
		For >75 Tons, Deduct	*-775.47*	
05 12 23 00-0091	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports	4.93	0.41
05 12 23 00-0092	LB	Structural Shapes, Galvanized Pipe Supports	5.90	0.41

05 12 23 00-0093 Built-Up Trusses *(05 12 23 00-0045)*

05 12 23 00-0094	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	8,475.91	549.07
		For >10 To 25 Tons, Deduct	*-670.67*	
		For >25 To 50 Tons, Deduct	*-1,380.79*	
		For >50 To 75 Tons, Deduct	*-1,972.56*	
		For >75 Tons, Deduct	*-986.28*	
05 12 23 00-0095	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up	8,293.16	304.91
		For >10 To 25 Tons, Deduct	*-677.26*	
		For >25 To 50 Tons, Deduct	*-1,394.36*	
		For >50 To 75 Tons, Deduct	*-1,991.95*	
		For >75 Tons, Deduct	*-995.97*	
05 12 23 00-0096	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up	7,345.20	161.43
		For >10 To 25 Tons, Deduct	*-609.70*	
		For >25 To 50 Tons, Deduct	*-1,255.26*	
		For >50 To 75 Tons, Deduct	*-1,793.24*	
		For >75 Tons, Deduct	*-896.62*	
05 12 23 00-0097	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up	7,141.77	152.64
		For >10 To 25 Tons, Deduct	*-593.22*	
		For >25 To 50 Tons, Deduct	*-1,221.34*	
		For >50 To 75 Tons, Deduct	*-1,744.77*	
		For >75 Tons, Deduct	*-872.39*	

05 12 23 00-0098 Accessories For Steel *(05 12 23)*

05 12 23 00-0099 Field Painting For Touch-Up Of Shop Prime Coat *(05 12 23 00-0098)*

05 12 23 00-0100	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.69	

05 12 23 00-0101 Connection And Stiffener Plates *(05 12 23 00-0098)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0102	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	17,909.63	
		For >10 To 25 Tons, Deduct	*-1,522.32*	
		For >25 To 50 Tons, Deduct	*-3,134.19*	
		For >50 To 75 Tons, Deduct	*-4,477.41*	
		For >75 Tons, Deduct	*-2,238.70*	
05 12 23 00-0103	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	15,280.42	
		For >10 To 25 Tons, Deduct	*-1,298.84*	
		For >25 To 50 Tons, Deduct	*-2,674.07*	
		For >50 To 75 Tons, Deduct	*-3,820.11*	
		For >75 Tons, Deduct	*-1,910.05*	
05 12 23 00-0104	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	11,816.66	
		For >10 To 25 Tons, Deduct	*-1,004.42*	
		For >25 To 50 Tons, Deduct	*-2,067.92*	
		For >50 To 75 Tons, Deduct	*-2,954.17*	
		For >75 Tons, Deduct	*-1,477.08*	
05 12 23 00-0105	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	11,816.66	
		For >10 To 25 Tons, Deduct	*-1,004.42*	
		For >25 To 50 Tons, Deduct	*-2,067.92*	
		For >50 To 75 Tons, Deduct	*-2,954.17*	
		For >75 Tons, Deduct	*-1,477.08*	
05 12 23 00-0106	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	11,816.66	
		For >10 To 25 Tons, Deduct	*-1,004.42*	
		For >25 To 50 Tons, Deduct	*-2,067.92*	
		For >50 To 75 Tons, Deduct	*-2,954.17*	
		For >75 Tons, Deduct	*-1,477.08*	
05 12 23 00-0107	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	11,816.66	
		For >10 To 25 Tons, Deduct	*-1,004.42*	
		For >25 To 50 Tons, Deduct	*-2,067.92*	
		For >50 To 75 Tons, Deduct	*-2,954.17*	
		For >75 Tons, Deduct	*-1,477.08*	
05 12 23 00-0108	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	11,816.66	
		For >10 To 25 Tons, Deduct	*-1,004.42*	
		For >25 To 50 Tons, Deduct	*-2,067.92*	
		For >50 To 75 Tons, Deduct	*-2,954.17*	
		For >75 Tons, Deduct	*-1,477.08*	
05 12 23 00-0109	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	11,816.66	
		For >10 To 25 Tons, Deduct	*-1,004.42*	
		For >25 To 50 Tons, Deduct	*-2,067.92*	
		For >50 To 75 Tons, Deduct	*-2,954.17*	
		For >75 Tons, Deduct	*-1,477.08*	
05 12 23 00-0110	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	11,078.12	
		For >10 To 25 Tons, Deduct	*-941.64*	
		For >25 To 50 Tons, Deduct	*-1,938.67*	
		For >50 To 75 Tons, Deduct	*-2,769.53*	
		For >75 Tons, Deduct	*-1,384.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0111	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	11,078.12	
		For >10 To 25 Tons, Deduct	*-941.64*	
		For >25 To 50 Tons, Deduct	*-1,938.67*	
		For >50 To 75 Tons, Deduct	*-2,769.53*	
		For >75 Tons, Deduct	*-1,384.77*	
05 12 23 00-0112	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	11,078.12	
		For >10 To 25 Tons, Deduct	*-941.64*	
		For >25 To 50 Tons, Deduct	*-1,938.67*	
		For >50 To 75 Tons, Deduct	*-2,769.53*	
		For >75 Tons, Deduct	*-1,384.77*	

05 12 23 00-0113 Field Applied Cold Galvanizing *(05 12 23 00-0098)*

05 12 23 00-0114	SF	Brush Applied Cold Galvanizing	2.61	

05 12 23 00-0115 Metal Grinding *(05 12 23 00-0098)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0116	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	1.22	

05 12 23 00-0117 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0118 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0117)*

Note: With base plate. Includes material delivery and erection.

05 12 23 00-0119	LF	W14 x 730 A992/A36 Structural Column	1,545.78	125.92
		For Hot Dip Galvanizing, Add	*391.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*139.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*309.16*	
05 12 23 00-0120	LF	W14 x 665 A992/A36 Structural Column	1,410.98	117.36
		For Hot Dip Galvanizing, Add	*356.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*126.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*282.20*	
05 12 23 00-0121	LF	W14 x 605 A992/A36 Structural Column	1,286.32	109.25
		For Hot Dip Galvanizing, Add	*324.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*115.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*257.26*	
05 12 23 00-0122	LF	W14 x 550 A992/A36 Structural Column	1,171.84	101.61
		For Hot Dip Galvanizing, Add	*295.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*105.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*234.37*	
05 12 23 00-0123	LF	W14 x 500 A992/A36 Structural Column	1,068.38	95.17
		For Hot Dip Galvanizing, Add	*268.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*96.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*213.68*	
05 12 23 00-0124	LF	W14 x 426 A992/A36 Structural Column	912.26	83.09
		For Hot Dip Galvanizing, Add	*228.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*82.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*182.45*	
05 12 23 00-0125	LF	W14 x 342 A992/A36 Structural Column	739.58	71.93
		For Hot Dip Galvanizing, Add	*183.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*66.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*147.92*	
05 12 23 00-0126	LF	W14 x 311 A992/A36 Structural Column	667.11	67.17
		For Hot Dip Galvanizing, Add	*165.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*60.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*133.42*	
05 12 23 00-0127	LF	W14 x 283 A992/A36 Structural Column	606.43	63.33
		For Hot Dip Galvanizing, Add	*149.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*54.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*121.29*	
05 12 23 00-0128	LF	W14 x 257 A992/A36 Structural Column	534.79	60.03
		For Hot Dip Galvanizing, Add	*130.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*106.96*	
05 12 23 00-0129	LF	W14 x 233 A992/A36 Structural Column	492.38	55.82
		For Hot Dip Galvanizing, Add	*120.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*98.48*	
05 12 23 00-0130	LF	W14 x 211 A992/A36 Structural Column	438.92	51.98
		For Hot Dip Galvanizing, Add	*106.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*87.78*	
05 12 23 00-0131	LF	W14 x 193 A992/A36 Structural Column	397.96	49.42
		For Hot Dip Galvanizing, Add	*95.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*79.59*	
05 12 23 00-0132	LF	W14 x 176 A992/A36 Structural Column	359.74	47.22
		For Hot Dip Galvanizing, Add	*85.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0133	LF	W14 x 159 A992/A36 Structural Column	326.38	45.57
		For Hot Dip Galvanizing, Add	*77.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.28*	
05 12 23 00-0134	LF	W14 x 145 A992/A36 Structural Column	315.49	44.11
		For Hot Dip Galvanizing, Add	*74.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*63.10*	
05 12 23 00-0135	LF	W14 x 132 A992/A36 Structural Column	271.53	42.10
		For Hot Dip Galvanizing, Add	*62.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*54.31*	
05 12 23 00-0136	LF	W14 x 120 A992/A36 Structural Column	255.24	41.00
		For Hot Dip Galvanizing, Add	*58.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.05*	
05 12 23 00-0137	LF	W14 x 109 A992/A36 Structural Column	229.57	39.35
		For Hot Dip Galvanizing, Add	*52.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.91*	
05 12 23 00-0138	LF	W14 x 99 A992/A36 Structural Column	210.37	38.25
		For Hot Dip Galvanizing, Add	*47.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.07*	
05 12 23 00-0139	LF	W14 x 90 A992/A36 Structural Column	196.18	37.34
		For Hot Dip Galvanizing, Add	*43.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.24*	
05 12 23 00-0140	LF	W14 x 82 A992/A36 Structural Column	181.48	36.24
		For Hot Dip Galvanizing, Add	*39.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.30*	
05 12 23 00-0141	LF	W14 x 74 A992/A36 Structural Column	164.86	35.32
		For Hot Dip Galvanizing, Add	*35.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.97*	
05 12 23 00-0142	LF	W14 x 68 A992/A36 Structural Column	154.71	34.78
		For Hot Dip Galvanizing, Add	*32.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.94*	
05 12 23 00-0143	LF	W14 x 61 A992/A36 Structural Column	141.97	33.86
		For Hot Dip Galvanizing, Add	*29.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.39*	
05 12 23 00-0144	LF	W14 x 53 A992/A36 Structural Column	130.17	32.94
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.72*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.03*	
05 12 23 00-0145	LF	W14 x 48 A992/A36 Structural Column	122.58	32.40
		For Hot Dip Galvanizing, Add	*24.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.52*	
05 12 23 00-0146	LF	W14 x 43 A992/A36 Structural Column	111.61	31.85
		For Hot Dip Galvanizing, Add	*21.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.32*	
05 12 23 00-0147	LF	W12 x 336 A992/A36 Structural Column	704.25	56.07
		For Hot Dip Galvanizing, Add	*178.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*63.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*140.85*	
05 12 23 00-0148	LF	W12 x 305 A992/A36 Structural Column	643.61	54.96
		For Hot Dip Galvanizing, Add	*162.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*57.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*128.72*	
05 12 23 00-0149	LF	W12 x 279 A992/A36 Structural Column	593.01	54.30
		For Hot Dip Galvanizing, Add	*148.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*53.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*118.60*	
05 12 23 00-0150	LF	W12 x 252 A992/A36 Structural Column	539.78	52.95
		For Hot Dip Galvanizing, Add	*134.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*107.96*	
05 12 23 00-0151	LF	W12 x 230 A992/A36 Structural Column	496.78	52.17
		For Hot Dip Galvanizing, Add	*122.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*99.36*	
05 12 23 00-0152	LF	W12 x 210 A992/A36 Structural Column	457.64	51.44
		For Hot Dip Galvanizing, Add	*111.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*91.53*	
05 12 23 00-0153	LF	W12 x 190 A992/A36 Structural Column	418.43	50.52
		For Hot Dip Galvanizing, Add	*101.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*83.69*	
05 12 23 00-0154	LF	W12 x 170 A992/A36 Structural Column	379.38	49.05
		For Hot Dip Galvanizing, Add	*90.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*75.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0155	LF	W12 x 152 A992/A36 Structural Column	342.54	45.57
		For Hot Dip Galvanizing, Add	*81.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*68.51*	
05 12 23 00-0156	LF	W12 x 136 A992/A36 Structural Column	326.06	44.29
		For Hot Dip Galvanizing, Add	*77.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.21*	
05 12 23 00-0157	LF	W12 x 120 A992/A36 Structural Column	249.77	40.63
		For Hot Dip Galvanizing, Add	*57.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.95*	
05 12 23 00-0158	LF	W12 x 106 A992/A36 Structural Column	230.85	39.35
		For Hot Dip Galvanizing, Add	*52.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.17*	
05 12 23 00-0159	LF	W12 x 96 A992/A36 Structural Column	207.63	38.07
		For Hot Dip Galvanizing, Add	*46.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.53*	
05 12 23 00-0160	LF	W12 x 87 A992/A36 Structural Column	192.29	36.79
		For Hot Dip Galvanizing, Add	*42.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.46*	
05 12 23 00-0161	LF	W12 x 79 A992/A36 Structural Column	170.05	35.69
		For Hot Dip Galvanizing, Add	*36.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.01*	
05 12 23 00-0162	LF	W12 x 72 A992/A36 Structural Column	156.50	34.78
		For Hot Dip Galvanizing, Add	*33.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.30*	
05 12 23 00-0163	LF	W12 x 65 A992/A36 Structural Column	143.91	34.04
		For Hot Dip Galvanizing, Add	*29.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.78*	
05 12 23 00-0164	LF	W12 x 58 A992/A36 Structural Column	139.55	33.68
		For Hot Dip Galvanizing, Add	*28.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.91*	
05 12 23 00-0165	LF	W12 x 53 A992/A36 Structural Column	130.17	32.94
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.72*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.03*	
05 12 23 00-0166	LF	W12 x 50 A992/A36 Structural Column	126.47	32.76
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.29*	
05 12 23 00-0167	LF	W12 x 45 A992/A36 Structural Column	115.82	32.03
		For Hot Dip Galvanizing, Add	*22.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.16*	
05 12 23 00-0168	LF	W12 x 40 A992/A36 Structural Column	104.85	31.30
		For Hot Dip Galvanizing, Add	*19.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.97*	
05 12 23 00-0169	LF	W10 x 112 A992/A36 Structural Column	241.02	40.08
		For Hot Dip Galvanizing, Add	*55.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.20*	
05 12 23 00-0170	LF	W10 x 110 A992/A36 Structural Column	218.90	38.44
		For Hot Dip Galvanizing, Add	*49.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.78*	
05 12 23 00-0171	LF	W10 x 88 A992/A36 Structural Column	197.76	37.15
		For Hot Dip Galvanizing, Add	*43.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.55*	
05 12 23 00-0172	LF	W10 x 77 A992/A36 Structural Column	176.93	35.69
		For Hot Dip Galvanizing, Add	*38.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.39*	
05 12 23 00-0173	LF	W10 x 68 A992/A36 Structural Column	160.31	34.78
		For Hot Dip Galvanizing, Add	*34.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.06*	
05 12 23 00-0174	LF	W10 x 60 A992/A36 Structural Column	141.97	33.86
		For Hot Dip Galvanizing, Add	*29.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.39*	
05 12 23 00-0175	LF	W10 x 54 A992/A36 Structural Column	140.96	33.31
		For Hot Dip Galvanizing, Add	*29.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.19*	
05 12 23 00-0176	LF	W10 x 49 A992/A36 Structural Column	125.01	32.76
		For Hot Dip Galvanizing, Add	*25.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0177	LF	W10 x 45 A992/A36 Structural Column	120.96	32.21
		For Hot Dip Galvanizing, Add	*24.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.19*	
05 12 23 00-0178	LF	W10 x 39 A992/A36 Structural Column	106.63	31.66
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.33*	
05 12 23 00-0179	LF	W10 x 33 A992/A36 Structural Column	94.19	30.75
		For Hot Dip Galvanizing, Add	*17.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.84*	
05 12 23 00-0180	LF	W8 x 67 A992/A36 Structural Column	154.88	34.78
		For Hot Dip Galvanizing, Add	*32.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.98*	
05 12 23 00-0181	LF	W8 x 58 A992/A36 Structural Column	140.02	33.68
		For Hot Dip Galvanizing, Add	*28.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.00*	
05 12 23 00-0182	LF	W8 x 48 A992/A36 Structural Column	126.29	32.76
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.26*	
05 12 23 00-0183	LF	W8 x 40 A992/A36 Structural Column	109.85	31.85
		For Hot Dip Galvanizing, Add	*21.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.97*	
05 12 23 00-0184	LF	W8 x 35 A992/A36 Structural Column	100.16	31.11
		For Hot Dip Galvanizing, Add	*18.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.03*	
05 12 23 00-0185	LF	W8 x 31 A992/A36 Structural Column	92.43	30.75
		For Hot Dip Galvanizing, Add	*16.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.49*	
05 12 23 00-0186	LF	W8 x 28 A992/A36 Structural Column	87.59	30.38
		For Hot Dip Galvanizing, Add	*15.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.52*	
05 12 23 00-0187	LF	W8 x 24 A992/A36 Structural Column	81.78	30.02
		For Hot Dip Galvanizing, Add	*13.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.36*	
05 12 23 00-0188	LF	W8 x 21 A992/A36 Structural Column	77.89	29.83
		For Hot Dip Galvanizing, Add	*12.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.58*	
05 12 23 00-0189	LF	W8 x 18 A992/A36 Structural Column	70.65	29.28
		For Hot Dip Galvanizing, Add	*10.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.13*	
05 12 23 00-0190	LF	W6 x 25 A992/A36 Structural Column	85.30	30.02
		For Hot Dip Galvanizing, Add	*14.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.06*	
05 12 23 00-0191	LF	W6 x 20 A992/A36 Structural Column	73.71	29.47
		For Hot Dip Galvanizing, Add	*11.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.74*	
05 12 23 00-0192	LF	W6 x 15 A992/A36 Structural Column	64.49	28.55
		For Hot Dip Galvanizing, Add	*9.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.90*	
05 12 23 00-0193	LF	W6 x 12 A992/A36 Structural Column	61.13	28.55
		For Hot Dip Galvanizing, Add	*8.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.23*	
05 12 23 00-0194	LF	W6 x 9 A992/A36 Structural Column	56.78	28.37
		For Hot Dip Galvanizing, Add	*7.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.36*	
05 12 23 00-0195	LF	W5 x 19 A992/A36 Structural Column	72.75	29.47
		For Hot Dip Galvanizing, Add	*11.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.55*	
05 12 23 00-0196	LF	W5 x 16 A992/A36 Structural Column	67.76	29.28
		For Hot Dip Galvanizing, Add	*10.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.55*	
05 12 23 00-0197	LF	W4 x 13 A992/A36 Structural Column	64.03	28.92
		For Hot Dip Galvanizing, Add	*9.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.81*	

05 12 23 00-0198 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0199	LF	W36 x 300 A992/A36 Structural Beam Or Girder	601.32	137.90
		For Hot Dip Galvanizing, Add	*126.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*54.12*	
		For High Strength Low Alloy A588 Steel, Add	*120.26*	
		For Each Additional Top Copes >2, Add	*4.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-188.40*	
		For Skewed Or Sloped Connections, Add	*72.16*	
05 12 23 00-0200	LF	W36 x 280 A992/A36 Structural Beam Or Girder	570.36	137.27
		For Hot Dip Galvanizing, Add	*117.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*51.33*	
		For High Strength Low Alloy A588 Steel, Add	*114.07*	
		For Each Additional Top Copes >2, Add	*4.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-177.66*	
		For Skewed Or Sloped Connections, Add	*68.44*	
05 12 23 00-0201	LF	W36 x 260 A992/A36 Structural Beam Or Girder	542.18	135.62
		For Hot Dip Galvanizing, Add	*110.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.80*	
		For High Strength Low Alloy A588 Steel, Add	*108.44*	
		For Each Additional Top Copes >2, Add	*3.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-168.07*	
		For Skewed Or Sloped Connections, Add	*65.06*	
05 12 23 00-0202	LF	W36 x 240 A992/A36 Structural Beam Or Girder	519.35	132.90
		For Hot Dip Galvanizing, Add	*104.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.74*	
		For High Strength Low Alloy A588 Steel, Add	*103.87*	
		For Each Additional Top Copes >2, Add	*3.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-160.51*	
		For Skewed Or Sloped Connections, Add	*62.32*	
05 12 23 00-0203	LF	W36 x 230 A992/A36 Structural Beam Or Girder	505.61	134.80
		For Hot Dip Galvanizing, Add	*100.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.50*	
		For High Strength Low Alloy A588 Steel, Add	*101.12*	
		For Each Additional Top Copes >2, Add	*3.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-155.40*	
		For Skewed Or Sloped Connections, Add	*60.67*	
05 12 23 00-0204	LF	W36 x 210 A992/A36 Structural Beam Or Girder	470.39	131.23
		For Hot Dip Galvanizing, Add	*91.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.34*	
		For High Strength Low Alloy A588 Steel, Add	*94.08*	
		For Each Additional Top Copes >2, Add	*3.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-143.64*	
		For Skewed Or Sloped Connections, Add	*56.45*	
05 12 23 00-0205	LF	W36 x 194 A992/A36 Structural Beam Or Girder	456.60	128.92
		For Hot Dip Galvanizing, Add	*88.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.09*	
		For High Strength Low Alloy A588 Steel, Add	*91.32*	
		For Each Additional Top Copes >2, Add	*3.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-139.19*	
		For Skewed Or Sloped Connections, Add	*54.79*	
05 12 23 00-0206	LF	W36 x 182 A992/A36 Structural Beam Or Girder	435.87	127.97
		For Hot Dip Galvanizing, Add	*83.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.23*	
		For High Strength Low Alloy A588 Steel, Add	*87.17*	
		For Each Additional Top Copes >2, Add	*2.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-132.08*	
		For Skewed Or Sloped Connections, Add	*52.30*	
05 12 23 00-0207	LF	W36 x 170 A992/A36 Structural Beam Or Girder	414.55	126.50
		For Hot Dip Galvanizing, Add	*77.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.31*	
		For High Strength Low Alloy A588 Steel, Add	*82.91*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.85*	
		For Skewed Or Sloped Connections, Add	*49.75*	
05 12 23 00-0208	LF	W36 x 160 A992/A36 Structural Beam Or Girder	398.61	127.02
		For Hot Dip Galvanizing, Add	*73.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.87*	
		For High Strength Low Alloy A588 Steel, Add	*79.72*	
		For Each Additional Top Copes >2, Add	*2.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-119.20*	
		For Skewed Or Sloped Connections, Add	*47.83*	
05 12 23 00-0209	LF	W36 x 150 A992/A36 Structural Beam Or Girder	383.91	126.11
		For Hot Dip Galvanizing, Add	*69.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.55*	
		For High Strength Low Alloy A588 Steel, Add	*76.78*	
		For Each Additional Top Copes >2, Add	*2.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-114.19*	
		For Skewed Or Sloped Connections, Add	*46.07*	
05 12 23 00-0210	LF	W36 x 135 A992/A36 Structural Beam Or Girder	363.34	125.01
		For Hot Dip Galvanizing, Add	*63.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.70*	
		For High Strength Low Alloy A588 Steel, Add	*72.67*	
		For Each Additional Top Copes >2, Add	*2.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-107.18*	
		For Skewed Or Sloped Connections, Add	*43.60*	
05 12 23 00-0211	LF	W33 x 241 A992/A36 Structural Beam Or Girder	527.08	137.08
		For Hot Dip Galvanizing, Add	*105.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.44*	
		For High Strength Low Alloy A588 Steel, Add	*105.42*	
		For Each Additional Top Copes >2, Add	*3.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-162.55*	
		For Skewed Or Sloped Connections, Add	*63.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0212	LF	W33 x 221 A992/A36 Structural Beam Or Girder	491.90	133.73
		For Hot Dip Galvanizing, Add	*96.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.27*	
		For High Strength Low Alloy A588 Steel, Add	*98.38*	
		For Each Additional Top Copes >2, Add	*3.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-150.77*	
		For Skewed Or Sloped Connections, Add	*59.03*	
05 12 23 00-0213	LF	W33 x 201 A992/A36 Structural Beam Or Girder	456.75	130.32
		For Hot Dip Galvanizing, Add	*88.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.11*	
		For High Strength Low Alloy A588 Steel, Add	*91.35*	
		For Each Additional Top Copes >2, Add	*3.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-139.00*	
		For Skewed Or Sloped Connections, Add	*54.81*	
05 12 23 00-0214	LF	W33 x 170 A992/A36 Structural Beam Or Girder	414.39	127.94
		For Hot Dip Galvanizing, Add	*77.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.30*	
		For High Strength Low Alloy A588 Steel, Add	*82.88*	
		For Each Additional Top Copes >2, Add	*2.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.58*	
		For Skewed Or Sloped Connections, Add	*49.73*	
05 12 23 00-0215	LF	W33 x 152 A992/A36 Structural Beam Or Girder	391.51	126.10
		For Hot Dip Galvanizing, Add	*71.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.24*	
		For High Strength Low Alloy A588 Steel, Add	*78.30*	
		For Each Additional Top Copes >2, Add	*2.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.85*	
		For Skewed Or Sloped Connections, Add	*46.98*	
05 12 23 00-0216	LF	W33 x 141 A992/A36 Structural Beam Or Girder	372.20	125.37
		For Hot Dip Galvanizing, Add	*66.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.50*	
		For High Strength Low Alloy A588 Steel, Add	*74.44*	
		For Each Additional Top Copes >2, Add	*2.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-110.20*	
		For Skewed Or Sloped Connections, Add	*44.66*	
05 12 23 00-0217	LF	W33 x 130 A992/A36 Structural Beam Or Girder	355.55	124.46
		For Hot Dip Galvanizing, Add	*61.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.00*	
		For High Strength Low Alloy A588 Steel, Add	*71.11*	
		For Each Additional Top Copes >2, Add	*2.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-104.54*	
		For Skewed Or Sloped Connections, Add	*42.67*	
05 12 23 00-0218	LF	W33 x 118 A992/A36 Structural Beam Or Girder	336.22	123.36
		For Hot Dip Galvanizing, Add	*56.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.26*	
		For High Strength Low Alloy A588 Steel, Add	*67.24*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.94*	
		For Skewed Or Sloped Connections, Add	*40.35*	
05 12 23 00-0219	LF	W30 x 211 A992/A36 Structural Beam Or Girder	474.13	133.47
		For Hot Dip Galvanizing, Add	*92.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.67*	
		For High Strength Low Alloy A588 Steel, Add	*94.83*	
		For Each Additional Top Copes >2, Add	*3.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-144.59*	
		For Skewed Or Sloped Connections, Add	*56.90*	
05 12 23 00-0220	LF	W30 x 191 A992/A36 Structural Beam Or Girder	438.51	129.40
		For Hot Dip Galvanizing, Add	*83.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.47*	
		For High Strength Low Alloy A588 Steel, Add	*87.70*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-132.75*	
		For Skewed Or Sloped Connections, Add	*52.62*	
05 12 23 00-0221	LF	W30 x 173 A992/A36 Structural Beam Or Girder	416.21	127.39
		For Hot Dip Galvanizing, Add	*77.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.46*	
		For High Strength Low Alloy A588 Steel, Add	*83.24*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-125.29*	
		For Skewed Or Sloped Connections, Add	*49.95*	
05 12 23 00-0222	LF	W30 x 154 A992/A36 Structural Beam Or Girder	384.26	126.29
		For Hot Dip Galvanizing, Add	*69.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.58*	
		For High Strength Low Alloy A588 Steel, Add	*76.85*	
		For Each Additional Top Copes >2, Add	*2.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-114.29*	
		For Skewed Or Sloped Connections, Add	*46.11*	
05 12 23 00-0223	LF	W30 x 132 A992/A36 Structural Beam Or Girder	357.31	122.90
		For Hot Dip Galvanizing, Add	*62.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.16*	
		For High Strength Low Alloy A588 Steel, Add	*71.46*	
		For Each Additional Top Copes >2, Add	*2.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.40*	
		For Skewed Or Sloped Connections, Add	*42.88*	
05 12 23 00-0224	LF	W30 x 124 A992/A36 Structural Beam Or Girder	343.53	122.83
		For Hot Dip Galvanizing, Add	*58.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.92*	
		For High Strength Low Alloy A588 Steel, Add	*68.71*	
		For Each Additional Top Copes >2, Add	*2.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-100.58*	
		For Skewed Or Sloped Connections, Add	*41.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0225	LF	W30 x 116 A992/A36 Structural Beam Or Girder	330.21	123.18
		For Hot Dip Galvanizing, Add	*55.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.72*	
		For High Strength Low Alloy A588 Steel, Add	*66.04*	
		For Each Additional Top Copes >2, Add	*1.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.86*	
		For Skewed Or Sloped Connections, Add	*39.63*	
05 12 23 00-0226	LF	W30 x 108 A992/A36 Structural Beam Or Girder	304.29	110.91
		For Hot Dip Galvanizing, Add	*51.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.39*	
		For High Strength Low Alloy A588 Steel, Add	*60.86*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.77*	
		For Skewed Or Sloped Connections, Add	*36.51*	
05 12 23 00-0227	LF	W30 x 99 A992/A36 Structural Beam Or Girder	292.42	110.37
		For Hot Dip Galvanizing, Add	*48.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.32*	
		For High Strength Low Alloy A588 Steel, Add	*58.48*	
		For Each Additional Top Copes >2, Add	*1.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-84.72*	
		For Skewed Or Sloped Connections, Add	*35.09*	
05 12 23 00-0228	LF	W27 x 178 A992/A36 Structural Beam Or Girder	466.20	149.14
		For Hot Dip Galvanizing, Add	*85.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.96*	
		For High Strength Low Alloy A588 Steel, Add	*93.24*	
		For Each Additional Top Copes >2, Add	*3.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-139.31*	
		For Skewed Or Sloped Connections, Add	*55.94*	
05 12 23 00-0229	LF	W27 x 161 A992/A36 Structural Beam Or Girder	430.85	143.51
		For Hot Dip Galvanizing, Add	*77.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.78*	
		For High Strength Low Alloy A588 Steel, Add	*86.17*	
		For Each Additional Top Copes >2, Add	*2.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-127.84*	
		For Skewed Or Sloped Connections, Add	*51.70*	
05 12 23 00-0230	LF	W27 x 146 A992/A36 Structural Beam Or Girder	399.56	138.45
		For Hot Dip Galvanizing, Add	*69.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.96*	
		For High Strength Low Alloy A588 Steel, Add	*79.91*	
		For Each Additional Top Copes >2, Add	*2.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-117.70*	
		For Skewed Or Sloped Connections, Add	*47.95*	
05 12 23 00-0231	LF	W27 x 114 A992/A36 Structural Beam Or Girder	319.34	115.00
		For Hot Dip Galvanizing, Add	*54.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.74*	
		For High Strength Low Alloy A588 Steel, Add	*63.87*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-93.37*	
		For Skewed Or Sloped Connections, Add	*38.32*	
05 12 23 00-0232	LF	W27 x 102 A992/A36 Structural Beam Or Girder	293.66	110.37
		For Hot Dip Galvanizing, Add	*48.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.43*	
		For High Strength Low Alloy A588 Steel, Add	*58.73*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.13*	
		For Skewed Or Sloped Connections, Add	*35.24*	
05 12 23 00-0233	LF	W27 x 94 A992/A36 Structural Beam Or Girder	282.49	109.63
		For Hot Dip Galvanizing, Add	*45.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.42*	
		For High Strength Low Alloy A588 Steel, Add	*56.50*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.33*	
		For Skewed Or Sloped Connections, Add	*33.90*	
05 12 23 00-0234	LF	W27 x 84 A992/A36 Structural Beam Or Girder	268.85	108.90
		For Hot Dip Galvanizing, Add	*42.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.20*	
		For High Strength Low Alloy A588 Steel, Add	*53.77*	
		For Each Additional Top Copes >2, Add	*1.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.69*	
		For Skewed Or Sloped Connections, Add	*32.26*	
05 12 23 00-0235	LF	W24 x 162 A992/A36 Structural Beam Or Girder	414.69	137.59
		For Hot Dip Galvanizing, Add	*74.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.32*	
		For High Strength Low Alloy A588 Steel, Add	*82.94*	
		For Each Additional Top Copes >2, Add	*2.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-123.13*	
		For Skewed Or Sloped Connections, Add	*49.76*	
05 12 23 00-0236	LF	W24 x 146 A992/A36 Structural Beam Or Girder	382.18	131.91
		For Hot Dip Galvanizing, Add	*67.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.40*	
		For High Strength Low Alloy A588 Steel, Add	*76.44*	
		For Each Additional Top Copes >2, Add	*2.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-112.66*	
		For Skewed Or Sloped Connections, Add	*45.86*	
05 12 23 00-0237	LF	W24 x 131 A992/A36 Structural Beam Or Girder	350.96	125.92
		For Hot Dip Galvanizing, Add	*60.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.59*	
		For High Strength Low Alloy A588 Steel, Add	*70.19*	
		For Each Additional Top Copes >2, Add	*2.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.69*	
		For Skewed Or Sloped Connections, Add	*42.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0238	LF	W24 x 117 A992/A36 Structural Beam Or Girder	321.11	119.63
		For Hot Dip Galvanizing, Add	*53.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.90*	
		For High Strength Low Alloy A588 Steel, Add	*64.22*	
		For Each Additional Top Copes >2, Add	*1.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-93.25*	
		For Skewed Or Sloped Connections, Add	*38.53*	
05 12 23 00-0239	LF	W24 x 104 A992/A36 Structural Beam Or Girder	292.67	113.13
		For Hot Dip Galvanizing, Add	*47.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.34*	
		For High Strength Low Alloy A588 Steel, Add	*58.53*	
		For Each Additional Top Copes >2, Add	*1.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-84.33*	
		For Skewed Or Sloped Connections, Add	*35.12*	
05 12 23 00-0240	LF	W24 x 94 A992/A36 Structural Beam Or Girder	272.41	109.63
		For Hot Dip Galvanizing, Add	*43.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.52*	
		For High Strength Low Alloy A588 Steel, Add	*54.48*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.80*	
		For Skewed Or Sloped Connections, Add	*32.69*	
05 12 23 00-0241	LF	W24 x 84 A992/A36 Structural Beam Or Girder	247.39	97.19
		For Hot Dip Galvanizing, Add	*39.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.27*	
		For High Strength Low Alloy A588 Steel, Add	*49.48*	
		For Each Additional Top Copes >2, Add	*1.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.02*	
		For Skewed Or Sloped Connections, Add	*29.69*	
05 12 23 00-0242	LF	W24 x 76 A992/A36 Structural Beam Or Girder	236.93	96.46
		For Hot Dip Galvanizing, Add	*37.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.32*	
		For High Strength Low Alloy A588 Steel, Add	*47.39*	
		For Each Additional Top Copes >2, Add	*1.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.47*	
		For Skewed Or Sloped Connections, Add	*28.43*	
05 12 23 00-0243	LF	W24 x 68 A992/A36 Structural Beam Or Girder	223.82	95.91
		For Hot Dip Galvanizing, Add	*33.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.14*	
		For High Strength Low Alloy A588 Steel, Add	*44.76*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.99*	
		For Skewed Or Sloped Connections, Add	*26.86*	
05 12 23 00-0244	LF	W24 x 62 A992/A36 Structural Beam Or Girder	216.91	95.36
		For Hot Dip Galvanizing, Add	*31.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.52*	
		For High Strength Low Alloy A588 Steel, Add	*43.38*	
		For Each Additional Top Copes >2, Add	*1.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.65*	
		For Skewed Or Sloped Connections, Add	*26.03*	
05 12 23 00-0245	LF	W24 x 55 A992/A36 Structural Beam Or Girder	207.51	94.99
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.68*	
		For High Strength Low Alloy A588 Steel, Add	*41.50*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.45*	
		For Skewed Or Sloped Connections, Add	*24.90*	
05 12 23 00-0246	LF	W21 x 147 A992/A36 Structural Beam Or Girder	359.44	113.15
		For Hot Dip Galvanizing, Add	*66.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.35*	
		For High Strength Low Alloy A588 Steel, Add	*71.89*	
		For Each Additional Top Copes >2, Add	*2.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-107.70*	
		For Skewed Or Sloped Connections, Add	*43.13*	
05 12 23 00-0247	LF	W21 x 132 A992/A36 Structural Beam Or Girder	329.69	108.10
		For Hot Dip Galvanizing, Add	*59.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.67*	
		For High Strength Low Alloy A588 Steel, Add	*65.94*	
		For Each Additional Top Copes >2, Add	*2.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.10*	
		For Skewed Or Sloped Connections, Add	*39.56*	
05 12 23 00-0248	LF	W21 x 122 A992/A36 Structural Beam Or Girder	311.50	106.29
		For Hot Dip Galvanizing, Add	*54.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.04*	
		For High Strength Low Alloy A588 Steel, Add	*62.30*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.02*	
		For Skewed Or Sloped Connections, Add	*37.38*	
05 12 23 00-0249	LF	W21 x 111 A992/A36 Structural Beam Or Girder	290.02	102.87
		For Hot Dip Galvanizing, Add	*50.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.10*	
		For High Strength Low Alloy A588 Steel, Add	*58.00*	
		For Each Additional Top Copes >2, Add	*1.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.05*	
		For Skewed Or Sloped Connections, Add	*34.80*	
05 12 23 00-0250	LF	W21 x 101 A992/A36 Structural Beam Or Girder	270.26	99.58
		For Hot Dip Galvanizing, Add	*45.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.32*	
		For High Strength Low Alloy A588 Steel, Add	*54.05*	
		For Each Additional Top Copes >2, Add	*1.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.66*	
		For Skewed Or Sloped Connections, Add	*32.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0251	LF	W21 x 93 A992/A36 Structural Beam Or Girder	255.91	98.29
		For Hot Dip Galvanizing, Add	*41.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.03*	
		For High Strength Low Alloy A588 Steel, Add	*51.18*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.84*	
		For Skewed Or Sloped Connections, Add	*30.71*	
05 12 23 00-0252	LF	W21 x 83 A992/A36 Structural Beam Or Girder	243.50	97.19
		For Hot Dip Galvanizing, Add	*38.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.92*	
		For High Strength Low Alloy A588 Steel, Add	*48.70*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.66*	
		For Skewed Or Sloped Connections, Add	*29.22*	
05 12 23 00-0253	LF	W21 x 73 A992/A36 Structural Beam Or Girder	228.43	96.46
		For Hot Dip Galvanizing, Add	*34.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.56*	
		For High Strength Low Alloy A588 Steel, Add	*45.69*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.52*	
		For Skewed Or Sloped Connections, Add	*27.41*	
05 12 23 00-0254	LF	W21 x 68 A992/A36 Structural Beam Or Girder	220.81	95.91
		For Hot Dip Galvanizing, Add	*32.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.87*	
		For High Strength Low Alloy A588 Steel, Add	*44.16*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.94*	
		For Skewed Or Sloped Connections, Add	*26.50*	
05 12 23 00-0255	LF	W21 x 62 A992/A36 Structural Beam Or Girder	213.90	95.36
		For Hot Dip Galvanizing, Add	*31.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.25*	
		For High Strength Low Alloy A588 Steel, Add	*42.78*	
		For Each Additional Top Copes >2, Add	*1.12*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.60*	
		For Skewed Or Sloped Connections, Add	*25.67*	
05 12 23 00-0256	LF	W21 x 57 A992/A36 Structural Beam Or Girder	207.70	95.17
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.69*	
		For High Strength Low Alloy A588 Steel, Add	*41.54*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.49*	
		For Skewed Or Sloped Connections, Add	*24.92*	
05 12 23 00-0257	LF	W21 x 50 A992/A36 Structural Beam Or Girder	183.55	82.55
		For Hot Dip Galvanizing, Add	*26.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.52*	
		For High Strength Low Alloy A588 Steel, Add	*36.71*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.01*	
		For Skewed Or Sloped Connections, Add	*22.03*	
05 12 23 00-0258	LF	W21 x 44 A992/A36 Structural Beam Or Girder	176.28	82.18
		For Hot Dip Galvanizing, Add	*24.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.87*	
		For High Strength Low Alloy A588 Steel, Add	*35.26*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.55*	
		For Skewed Or Sloped Connections, Add	*21.15*	
05 12 23 00-0259	LF	W18 x 119 A992/A36 Structural Beam Or Girder	304.15	105.92
		For Hot Dip Galvanizing, Add	*53.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.37*	
		For High Strength Low Alloy A588 Steel, Add	*60.83*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.50*	
		For Skewed Or Sloped Connections, Add	*36.50*	
05 12 23 00-0260	LF	W18 x 106 A992/A36 Structural Beam Or Girder	277.33	100.39
		For Hot Dip Galvanizing, Add	*47.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.96*	
		For High Strength Low Alloy A588 Steel, Add	*55.47*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.01*	
		For Skewed Or Sloped Connections, Add	*33.28*	
05 12 23 00-0261	LF	W18 x 97 A992/A36 Structural Beam Or Girder	260.88	98.29
		For Hot Dip Galvanizing, Add	*43.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.48*	
		For High Strength Low Alloy A588 Steel, Add	*52.18*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.55*	
		For Skewed Or Sloped Connections, Add	*31.31*	
05 12 23 00-0262	LF	W18 x 86 A992/A36 Structural Beam Or Girder	246.69	97.37
		For Hot Dip Galvanizing, Add	*39.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.20*	
		For High Strength Low Alloy A588 Steel, Add	*49.34*	
		For Each Additional Top Copes >2, Add	*1.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.75*	
		For Skewed Or Sloped Connections, Add	*29.60*	
05 12 23 00-0263	LF	W18 x 76 A992/A36 Structural Beam Or Girder	233.92	96.46
		For Hot Dip Galvanizing, Add	*36.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.05*	
		For High Strength Low Alloy A588 Steel, Add	*46.78*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.42*	
		For Skewed Or Sloped Connections, Add	*28.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0264	LF	W18 x 71 A992/A36 Structural Beam Or Girder	224.72	96.27
		For Hot Dip Galvanizing, Add	*33.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.22*	
		For High Strength Low Alloy A588 Steel, Add	*44.94*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.25*	
		For Skewed Or Sloped Connections, Add	*26.97*	
05 12 23 00-0265	LF	W18 x 65 A992/A36 Structural Beam Or Girder	215.68	95.91
		For Hot Dip Galvanizing, Add	*31.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.41*	
		For High Strength Low Alloy A588 Steel, Add	*43.14*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.17*	
		For Skewed Or Sloped Connections, Add	*25.88*	
05 12 23 00-0266	LF	W18 x 60 A992/A36 Structural Beam Or Girder	207.52	95.17
		For Hot Dip Galvanizing, Add	*29.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.68*	
		For High Strength Low Alloy A588 Steel, Add	*41.50*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.40*	
		For Skewed Or Sloped Connections, Add	*24.90*	
05 12 23 00-0267	LF	W18 x 55 A992/A36 Structural Beam Or Girder	199.37	94.99
		For Hot Dip Galvanizing, Add	*27.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.94*	
		For High Strength Low Alloy A588 Steel, Add	*39.87*	
		For Each Additional Top Copes >2, Add	*0.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.60*	
		For Skewed Or Sloped Connections, Add	*23.92*	
05 12 23 00-0268	LF	W18 x 50 A992/A36 Structural Beam Or Girder	178.60	82.55
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.07*	
		For High Strength Low Alloy A588 Steel, Add	*35.72*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.28*	
		For Skewed Or Sloped Connections, Add	*21.43*	
05 12 23 00-0269	LF	W18 x 46 A992/A36 Structural Beam Or Girder	172.21	82.36
		For Hot Dip Galvanizing, Add	*23.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.50*	
		For High Strength Low Alloy A588 Steel, Add	*34.44*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.10*	
		For Skewed Or Sloped Connections, Add	*20.67*	
05 12 23 00-0270	LF	W18 x 40 A992/A36 Structural Beam Or Girder	150.03	70.28
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.50*	
		For High Strength Low Alloy A588 Steel, Add	*30.01*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.25*	
		For Skewed Or Sloped Connections, Add	*18.00*	
05 12 23 00-0271	LF	W18 x 35 A992/A36 Structural Beam Or Girder	142.06	70.10
		For Hot Dip Galvanizing, Add	*18.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.79*	
		For High Strength Low Alloy A588 Steel, Add	*28.41*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.52*	
		For Skewed Or Sloped Connections, Add	*17.05*	
05 12 23 00-0272	LF	W16 x 100 A992/A36 Structural Beam Or Girder	235.57	63.88
		For Hot Dip Galvanizing, Add	*46.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.20*	
		For High Strength Low Alloy A588 Steel, Add	*47.11*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.24*	
		For Skewed Or Sloped Connections, Add	*28.27*	
05 12 23 00-0273	LF	W16 x 89 A992/A36 Structural Beam Or Girder	217.50	62.78
		For Hot Dip Galvanizing, Add	*41.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.58*	
		For High Strength Low Alloy A588 Steel, Add	*43.50*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.08*	
		For Skewed Or Sloped Connections, Add	*26.10*	
05 12 23 00-0274	LF	W16 x 77 A992/A36 Structural Beam Or Girder	198.19	62.05
		For Hot Dip Galvanizing, Add	*36.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.84*	
		For High Strength Low Alloy A588 Steel, Add	*39.64*	
		For Each Additional Top Copes >2, Add	*1.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.46*	
		For Skewed Or Sloped Connections, Add	*23.78*	
05 12 23 00-0275	LF	W16 x 67 A992/A36 Structural Beam Or Girder	181.71	61.13
		For Hot Dip Galvanizing, Add	*32.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.35*	
		For High Strength Low Alloy A588 Steel, Add	*36.34*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.82*	
		For Skewed Or Sloped Connections, Add	*21.81*	
05 12 23 00-0276	LF	W16 x 57 A992/A36 Structural Beam Or Girder	165.41	60.22
		For Hot Dip Galvanizing, Add	*28.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.89*	
		For High Strength Low Alloy A588 Steel, Add	*33.08*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.26*	
		For Skewed Or Sloped Connections, Add	*19.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0277	LF	W16 x 50 A992/A36 Structural Beam Or Girder	154.07	59.67
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.87*	
		For High Strength Low Alloy A588 Steel, Add	*30.81*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.37*	
		For Skewed Or Sloped Connections, Add	*18.49*	
05 12 23 00-0278	LF	W16 x 45 A992/A36 Structural Beam Or Girder	146.10	59.30
		For Hot Dip Galvanizing, Add	*22.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.15*	
		For High Strength Low Alloy A588 Steel, Add	*29.22*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.64*	
		For Skewed Or Sloped Connections, Add	*17.53*	
05 12 23 00-0279	LF	W16 x 40 A992/A36 Structural Beam Or Girder	137.77	58.75
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.40*	
		For High Strength Low Alloy A588 Steel, Add	*27.55*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.80*	
		For Skewed Or Sloped Connections, Add	*16.53*	
05 12 23 00-0280	LF	W16 x 36 A992/A36 Structural Beam Or Girder	131.21	58.39
		For Hot Dip Galvanizing, Add	*19.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.81*	
		For High Strength Low Alloy A588 Steel, Add	*26.24*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.59*	
		For Skewed Or Sloped Connections, Add	*15.75*	
05 12 23 00-0281	LF	W16 x 31 A992/A36 Structural Beam Or Girder	110.80	46.49
		For Hot Dip Galvanizing, Add	*16.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.97*	
		For High Strength Low Alloy A588 Steel, Add	*22.16*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.34*	
		For Skewed Or Sloped Connections, Add	*13.30*	
05 12 23 00-0282	LF	W16 x 26 A992/A36 Structural Beam Or Girder	100.36	45.94
		For Hot Dip Galvanizing, Add	*14.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.03*	
		For High Strength Low Alloy A588 Steel, Add	*20.07*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.77*	
		For Skewed Or Sloped Connections, Add	*12.04*	
05 12 23 00-0283	LF	W14 x 99 A992/A36 Structural Beam Or Girder	221.72	52.35
		For Hot Dip Galvanizing, Add	*46.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.95*	
		For High Strength Low Alloy A588 Steel, Add	*44.34*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.23*	
		For Skewed Or Sloped Connections, Add	*26.61*	
05 12 23 00-0284	LF	W14 x 90 A992/A36 Structural Beam Or Girder	207.00	51.43
		For Hot Dip Galvanizing, Add	*42.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.63*	
		For High Strength Low Alloy A588 Steel, Add	*41.40*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.22*	
		For Skewed Or Sloped Connections, Add	*24.84*	
05 12 23 00-0285	LF	W14 x 82 A992/A36 Structural Beam Or Girder	193.90	50.88
		For Hot Dip Galvanizing, Add	*38.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.45*	
		For High Strength Low Alloy A588 Steel, Add	*38.78*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.74*	
		For Skewed Or Sloped Connections, Add	*23.27*	
05 12 23 00-0286	LF	W14 x 74 A992/A36 Structural Beam Or Girder	180.80	50.15
		For Hot Dip Galvanizing, Add	*35.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.27*	
		For High Strength Low Alloy A588 Steel, Add	*36.16*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.26*	
		For Skewed Or Sloped Connections, Add	*21.70*	
05 12 23 00-0287	LF	W14 x 68 A992/A36 Structural Beam Or Girder	171.04	49.60
		For Hot Dip Galvanizing, Add	*32.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.39*	
		For High Strength Low Alloy A588 Steel, Add	*34.21*	
		For Each Additional Top Copes >2, Add	*1.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.93*	
		For Skewed Or Sloped Connections, Add	*20.52*	
05 12 23 00-0288	LF	W14 x 61 A992/A36 Structural Beam Or Girder	159.71	49.05
		For Hot Dip Galvanizing, Add	*29.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.37*	
		For High Strength Low Alloy A588 Steel, Add	*31.94*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.05*	
		For Skewed Or Sloped Connections, Add	*19.17*	
05 12 23 00-0289	LF	W14 x 53 A992/A36 Structural Beam Or Girder	146.76	48.32
		For Hot Dip Galvanizing, Add	*26.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.21*	
		For High Strength Low Alloy A588 Steel, Add	*29.35*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.62*	
		For Skewed Or Sloped Connections, Add	*17.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0290	LF	W14 x 48 A992/A36 Structural Beam Or Girder	138.43	47.77
		For Hot Dip Galvanizing, Add	*24.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.46*	
		For High Strength Low Alloy A588 Steel, Add	*27.69*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.79*	
		For Skewed Or Sloped Connections, Add	*16.61*	
05 12 23 00-0291	LF	W14 x 43 A992/A36 Structural Beam Or Girder	130.29	47.59
		For Hot Dip Galvanizing, Add	*22.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.73*	
		For High Strength Low Alloy A588 Steel, Add	*26.06*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.00*	
		For Skewed Or Sloped Connections, Add	*15.63*	
05 12 23 00-0292	LF	W14 x 38 A992/A36 Structural Beam Or Girder	122.13	47.22
		For Hot Dip Galvanizing, Add	*19.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.99*	
		For High Strength Low Alloy A588 Steel, Add	*24.43*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.22*	
		For Skewed Or Sloped Connections, Add	*14.66*	
05 12 23 00-0293	LF	W14 x 34 A992/A36 Structural Beam Or Girder	115.57	46.67
		For Hot Dip Galvanizing, Add	*18.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.40*	
		For High Strength Low Alloy A588 Steel, Add	*23.11*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.98*	
		For Skewed Or Sloped Connections, Add	*13.87*	
05 12 23 00-0294	LF	W14 x 30 A992/A36 Structural Beam Or Girder	109.02	46.49
		For Hot Dip Galvanizing, Add	*16.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.81*	
		For High Strength Low Alloy A588 Steel, Add	*21.80*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.74*	
		For Skewed Or Sloped Connections, Add	*13.08*	
05 12 23 00-0295	LF	W14 x 26 A992/A36 Structural Beam Or Girder	102.46	45.94
		For Hot Dip Galvanizing, Add	*14.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.22*	
		For High Strength Low Alloy A588 Steel, Add	*20.49*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.50*	
		For Skewed Or Sloped Connections, Add	*12.30*	
05 12 23 00-0296	LF	W14 x 22 A992/A36 Structural Beam Or Girder	96.08	45.76
		For Hot Dip Galvanizing, Add	*13.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.65*	
		For High Strength Low Alloy A588 Steel, Add	*19.22*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.33*	
		For Skewed Or Sloped Connections, Add	*11.53*	
05 12 23 00-0297	LF	W12 x 87 A992/A36 Structural Beam Or Girder	202.23	51.25
		For Hot Dip Galvanizing, Add	*40.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.20*	
		For High Strength Low Alloy A588 Steel, Add	*40.45*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.57*	
		For Skewed Or Sloped Connections, Add	*24.27*	
05 12 23 00-0298	LF	W12 x 79 A992/A36 Structural Beam Or Girder	189.11	50.52
		For Hot Dip Galvanizing, Add	*37.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.02*	
		For High Strength Low Alloy A588 Steel, Add	*37.82*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.09*	
		For Skewed Or Sloped Connections, Add	*22.69*	
05 12 23 00-0299	LF	W12 x 72 A992/A36 Structural Beam Or Girder	177.60	49.97
		For Hot Dip Galvanizing, Add	*34.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.98*	
		For High Strength Low Alloy A588 Steel, Add	*35.52*	
		For Each Additional Top Copes >2, Add	*1.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.17*	
		For Skewed Or Sloped Connections, Add	*21.31*	
05 12 23 00-0300	LF	W12 x 65 A992/A36 Structural Beam Or Girder	166.26	49.42
		For Hot Dip Galvanizing, Add	*31.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.96*	
		For High Strength Low Alloy A588 Steel, Add	*33.25*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.28*	
		For Skewed Or Sloped Connections, Add	*19.95*	
05 12 23 00-0301	LF	W12 x 58 A992/A36 Structural Beam Or Girder	154.74	48.69
		For Hot Dip Galvanizing, Add	*28.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.93*	
		For High Strength Low Alloy A588 Steel, Add	*30.95*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.36*	
		For Skewed Or Sloped Connections, Add	*18.57*	
05 12 23 00-0302	LF	W12 x 53 A992/A36 Structural Beam Or Girder	146.76	48.32
		For Hot Dip Galvanizing, Add	*26.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.21*	
		For High Strength Low Alloy A588 Steel, Add	*29.35*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.62*	
		For Skewed Or Sloped Connections, Add	*17.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0303	LF	W12 x 50 A992/A36 Structural Beam Or Girder	141.63	48.14
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.75*	
		For High Strength Low Alloy A588 Steel, Add	*28.33*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.88*	
		For Skewed Or Sloped Connections, Add	*17.00*	
05 12 23 00-0304	LF	W12 x 45 A992/A36 Structural Beam Or Girder	133.65	47.77
		For Hot Dip Galvanizing, Add	*22.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.03*	
		For High Strength Low Alloy A588 Steel, Add	*26.73*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.15*	
		For Skewed Or Sloped Connections, Add	*16.04*	
05 12 23 00-0305	LF	W12 x 40 A992/A36 Structural Beam Or Girder	112.88	35.51
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.16*	
		For High Strength Low Alloy A588 Steel, Add	*22.58*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.82*	
		For Skewed Or Sloped Connections, Add	*13.55*	
05 12 23 00-0306	LF	W12 x 35 A992/A36 Structural Beam Or Girder	104.91	35.32
		For Hot Dip Galvanizing, Add	*18.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.44*	
		For High Strength Low Alloy A588 Steel, Add	*20.98*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.09*	
		For Skewed Or Sloped Connections, Add	*12.59*	
05 12 23 00-0307	LF	W12 x 30 A992/A36 Structural Beam Or Girder	96.57	34.78
		For Hot Dip Galvanizing, Add	*16.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.69*	
		For High Strength Low Alloy A588 Steel, Add	*19.31*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.25*	
		For Skewed Or Sloped Connections, Add	*11.59*	
05 12 23 00-0308	LF	W12 x 26 A992/A36 Structural Beam Or Girder	90.02	34.41
		For Hot Dip Galvanizing, Add	*14.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.10*	
		For High Strength Low Alloy A588 Steel, Add	*18.00*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.02*	
		For Skewed Or Sloped Connections, Add	*10.80*	
05 12 23 00-0309	LF	W12 x 22 A992/A36 Structural Beam Or Girder	83.64	34.04
		For Hot Dip Galvanizing, Add	*13.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.53*	
		For High Strength Low Alloy A588 Steel, Add	*16.73*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.84*	
		For Skewed Or Sloped Connections, Add	*10.04*	
05 12 23 00-0310	LF	W12 x 19 A992/A36 Structural Beam Or Girder	78.68	33.86
		For Hot Dip Galvanizing, Add	*11.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.08*	
		For High Strength Low Alloy A588 Steel, Add	*15.74*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.13*	
		For Skewed Or Sloped Connections, Add	*9.44*	
05 12 23 00-0311	LF	W12 x 16 A992/A36 Structural Beam Or Girder	73.72	33.31
		For Hot Dip Galvanizing, Add	*10.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.63*	
		For High Strength Low Alloy A588 Steel, Add	*14.74*	
		For Each Additional Top Copes >2, Add	*0.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.45*	
		For Skewed Or Sloped Connections, Add	*8.85*	
05 12 23 00-0312	LF	W12 x 14 A992/A36 Structural Beam Or Girder	70.53	33.31
		For Hot Dip Galvanizing, Add	*9.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.35*	
		For High Strength Low Alloy A588 Steel, Add	*14.11*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.36*	
		For Skewed Or Sloped Connections, Add	*8.46*	
05 12 23 00-0313	LF	W10 x 68 A992/A36 Structural Beam Or Girder	159.13	38.25
		For Hot Dip Galvanizing, Add	*32.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.32*	
		For High Strength Low Alloy A588 Steel, Add	*31.83*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.60*	
		For Skewed Or Sloped Connections, Add	*19.10*	
05 12 23 00-0314	LF	W10 x 60 A992/A36 Structural Beam Or Girder	146.20	37.52
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.16*	
		For High Strength Low Alloy A588 Steel, Add	*29.24*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.19*	
		For Skewed Or Sloped Connections, Add	*17.54*	
05 12 23 00-0315	LF	W10 x 54 A992/A36 Structural Beam Or Girder	136.27	36.79
		For Hot Dip Galvanizing, Add	*26.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.26*	
		For High Strength Low Alloy A588 Steel, Add	*27.25*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.79*	
		For Skewed Or Sloped Connections, Add	*16.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0316	LF	W10 x 49 A992/A36 Structural Beam Or Girder	128.12	36.42
		For Hot Dip Galvanizing, Add	*24.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.53*	
		For High Strength Low Alloy A588 Steel, Add	*25.62*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.02*	
		For Skewed Or Sloped Connections, Add	*15.37*	
05 12 23 00-0317	LF	W10 x 45 A992/A36 Structural Beam Or Girder	121.57	36.24
		For Hot Dip Galvanizing, Add	*23.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.94*	
		For High Strength Low Alloy A588 Steel, Add	*24.31*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.78*	
		For Skewed Or Sloped Connections, Add	*14.59*	
05 12 23 00-0318	LF	W10 x 39 A992/A36 Structural Beam Or Girder	111.82	35.51
		For Hot Dip Galvanizing, Add	*20.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.06*	
		For High Strength Low Alloy A588 Steel, Add	*22.36*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.45*	
		For Skewed Or Sloped Connections, Add	*13.42*	
05 12 23 00-0319	LF	W10 x 33 A992/A36 Structural Beam Or Girder	102.07	34.96
		For Hot Dip Galvanizing, Add	*17.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.19*	
		For High Strength Low Alloy A588 Steel, Add	*20.41*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.12*	
		For Skewed Or Sloped Connections, Add	*12.25*	
05 12 23 00-0320	LF	W10 x 30 A992/A36 Structural Beam Or Girder	97.11	34.78
		For Hot Dip Galvanizing, Add	*16.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.74*	
		For High Strength Low Alloy A588 Steel, Add	*19.42*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.42*	
		For Skewed Or Sloped Connections, Add	*11.65*	
05 12 23 00-0321	LF	W10 x 26 A992/A36 Structural Beam Or Girder	90.73	34.59
		For Hot Dip Galvanizing, Add	*14.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.17*	
		For High Strength Low Alloy A588 Steel, Add	*18.15*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.24*	
		For Skewed Or Sloped Connections, Add	*10.89*	
05 12 23 00-0322	LF	W10 x 22 A992/A36 Structural Beam Or Girder	83.99	34.04
		For Hot Dip Galvanizing, Add	*13.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.56*	
		For High Strength Low Alloy A588 Steel, Add	*16.80*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.96*	
		For Skewed Or Sloped Connections, Add	*10.08*	
05 12 23 00-0323	LF	W10 x 19 A992/A36 Structural Beam Or Girder	79.22	33.86
		For Hot Dip Galvanizing, Add	*11.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.13*	
		For High Strength Low Alloy A588 Steel, Add	*15.84*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.32*	
		For Skewed Or Sloped Connections, Add	*9.51*	
05 12 23 00-0324	LF	W10 x 17 A992/A36 Structural Beam Or Girder	75.84	33.68
		For Hot Dip Galvanizing, Add	*11.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.83*	
		For High Strength Low Alloy A588 Steel, Add	*15.17*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.16*	
		For Skewed Or Sloped Connections, Add	*9.10*	
05 12 23 00-0325	LF	W10 x 15 A992/A36 Structural Beam Or Girder	72.65	33.31
		For Hot Dip Galvanizing, Add	*10.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.54*	
		For High Strength Low Alloy A588 Steel, Add	*14.53*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.07*	
		For Skewed Or Sloped Connections, Add	*8.72*	
05 12 23 00-0326	LF	W10 x 12 A992/A36 Structural Beam Or Girder	67.88	33.31
		For Hot Dip Galvanizing, Add	*8.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.11*	
		For High Strength Low Alloy A588 Steel, Add	*13.58*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.43*	
		For Skewed Or Sloped Connections, Add	*8.15*	
05 12 23 00-0327	LF	W8 x 35 A992/A36 Structural Beam Or Girder	105.26	35.32
		For Hot Dip Galvanizing, Add	*18.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.47*	
		For High Strength Low Alloy A588 Steel, Add	*21.05*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.21*	
		For Skewed Or Sloped Connections, Add	*12.63*	
05 12 23 00-0328	LF	W8 x 31 A992/A36 Structural Beam Or Girder	98.70	34.78
		For Hot Dip Galvanizing, Add	*17.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.88*	
		For High Strength Low Alloy A588 Steel, Add	*19.74*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.97*	
		For Skewed Or Sloped Connections, Add	*11.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329	LF	W8 x 28 A992/A36 Structural Beam Or Girder	91.91	32.76
		For Hot Dip Galvanizing, Add	*15.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.27*	
		For High Strength Low Alloy A588 Steel, Add	*18.38*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.92*	
		For Skewed Or Sloped Connections, Add	*11.03*	
05 12 23 00-0330	LF	W8 x 24 A992/A36 Structural Beam Or Girder	84.07	30.75
		For Hot Dip Galvanizing, Add	*14.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.57*	
		For High Strength Low Alloy A588 Steel, Add	*16.81*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.51*	
		For Skewed Or Sloped Connections, Add	*10.09*	
05 12 23 00-0331	LF	W8 x 21 A992/A36 Structural Beam Or Girder	78.26	28.55
		For Hot Dip Galvanizing, Add	*13.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.04*	
		For High Strength Low Alloy A588 Steel, Add	*15.65*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.81*	
		For Skewed Or Sloped Connections, Add	*9.39*	
05 12 23 00-0332	LF	W8 x 18 A992/A36 Structural Beam Or Girder	68.98	26.54
		For Hot Dip Galvanizing, Add	*11.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.21*	
		For High Strength Low Alloy A588 Steel, Add	*13.80*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.89*	
		For Skewed Or Sloped Connections, Add	*8.28*	
05 12 23 00-0333	LF	W8 x 10 A992/A36 Structural Beam Or Girder	41.81	19.03
		For Hot Dip Galvanizing, Add	*6.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.76*	
		For High Strength Low Alloy A588 Steel, Add	*8.36*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.61*	
		For Skewed Or Sloped Connections, Add	*5.02*	
05 12 23 00-0334	LF	W6 x 9 A992/A36 Structural Beam Or Girder	37.87	15.56
		For Hot Dip Galvanizing, Add	*5.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.41*	
		For High Strength Low Alloy A588 Steel, Add	*7.57*	
		For Each Additional Top Copes >2, Add	*0.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.78*	
		For Skewed Or Sloped Connections, Add	*4.54*	

05 12 23 00-0335 A992/A36 Structural Steel, M Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

05 12 23 00-0336	LF	M14 x 18 A992/A36 Structural Steel	74.29	27.92
		For Hot Dip Galvanizing, Add	*12.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.86*	
05 12 23 00-0337	LF	M12 x 11.8 A992/A36 Structural Steel	55.51	24.67
		For Hot Dip Galvanizing, Add	*8.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.10*	
05 12 23 00-0338	LF	M10 x 9 A992/A36 Structural Steel	43.39	19.81
		For Hot Dip Galvanizing, Add	*6.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.68*	
05 12 23 00-0339	LF	M8 x 6.5 A992/A36 Structural Steel	31.33	14.31
		For Hot Dip Galvanizing, Add	*4.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.27*	
05 12 23 00-0340	LF	M6 x 20 A992/A36 Structural Steel	80.60	29.47
		For Hot Dip Galvanizing, Add	*13.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.12*	
05 12 23 00-0341	LF	M6 x 4.4 A992/A36 Structural Steel	21.20	9.67
		For Hot Dip Galvanizing, Add	*3.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*4.24*	
05 12 23 00-0342	LF	M5 x 18.9 A992/A36 Structural Steel	78.16	29.47
		For Hot Dip Galvanizing, Add	*12.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.63*	
05 12 23 00-0343	LF	M4 x 13 A992/A36 Structural Steel	65.95	28.92
		For Hot Dip Galvanizing, Add	*9.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.19*	

05 12 23 00-0344 A992/A36 Structural Steel, S Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

05 12 23 00-0345	LF	S24 x 121 A992/A36 Structural Steel	434.31	141.35
		For Hot Dip Galvanizing, Add	*78.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*86.86*	
05 12 23 00-0346	LF	S24 x 106 A992/A36 Structural Steel	387.42	130.35
		For Hot Dip Galvanizing, Add	*68.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.87*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0347	LF	S24 x 100 A992/A36 Structural Steel	372.39	129.44
		For Hot Dip Galvanizing, Add	*65.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*74.48*	
05 12 23 00-0348	LF	S24 x 90 A992/A36 Structural Steel	341.70	122.62
		For Hot Dip Galvanizing, Add	*58.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*68.34*	
05 12 23 00-0349	LF	S24 x 80 A992/A36 Structural Steel	309.83	114.75
		For Hot Dip Galvanizing, Add	*52.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*61.97*	
05 12 23 00-0350	LF	S20 x 96 A992/A36 Structural Steel	357.50	124.26
		For Hot Dip Galvanizing, Add	*62.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.50*	
05 12 23 00-0351	LF	S20 x 86 A992/A36 Structural Steel	326.50	117.18
		For Hot Dip Galvanizing, Add	*55.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.30*	
05 12 23 00-0352	LF	S20 x 75 A992/A36 Structural Steel	290.46	107.57
		For Hot Dip Galvanizing, Add	*48.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*58.09*	
05 12 23 00-0353	LF	S20 x 66 A992/A36 Structural Steel	260.93	99.64
		For Hot Dip Galvanizing, Add	*42.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.19*	
05 12 23 00-0354	LF	S18 x 70 A992/A36 Structural Steel	276.75	105.68
		For Hot Dip Galvanizing, Add	*45.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*55.35*	
05 12 23 00-0355	LF	S18 x 54.7 A992/A36 Structural Steel	220.90	86.93
		For Hot Dip Galvanizing, Add	*35.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*44.18*	
05 12 23 00-0356	LF	S15 x 50 A992/A36 Structural Steel	206.37	83.65
		For Hot Dip Galvanizing, Add	*32.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.27*	
05 12 23 00-0357	LF	S15 x 42.9 A992/A36 Structural Steel	181.08	75.54
		For Hot Dip Galvanizing, Add	*27.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.22*	
05 12 23 00-0358	LF	S12 x 50 A992/A36 Structural Steel	201.90	79.47
		For Hot Dip Galvanizing, Add	*32.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.38*	
05 12 23 00-0359	LF	S12 x 40.8 A992/A36 Structural Steel	168.39	68.26
		For Hot Dip Galvanizing, Add	*26.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.68*	
05 12 23 00-0360	LF	S12 x 35 A992/A36 Structural Steel	147.73	61.63
		For Hot Dip Galvanizing, Add	*22.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.55*	
05 12 23 00-0361	LF	S12 x 31.8 A992/A36 Structural Steel	137.38	58.94
		For Hot Dip Galvanizing, Add	*20.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.48*	
05 12 23 00-0362	LF	S10 x 35 A992/A36 Structural Steel	151.20	64.88
		For Hot Dip Galvanizing, Add	*22.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.24*	
05 12 23 00-0363	LF	S10 x 25.4 A992/A36 Structural Steel	112.37	49.56
		For Hot Dip Galvanizing, Add	*16.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.47*	
05 12 23 00-0364	LF	S8 x 23 A992/A36 Structural Steel	101.76	44.87
		For Hot Dip Galvanizing, Add	*14.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.35*	
05 12 23 00-0365	LF	S8 x 18.4 A992/A36 Structural Steel	83.43	37.79
		For Hot Dip Galvanizing, Add	*11.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.69*	
05 12 23 00-0366	LF	S7 x 20 A992/A36 Structural Steel	90.68	41.07
		For Hot Dip Galvanizing, Add	*13.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.14*	
05 12 23 00-0367	LF	S7 x 15.3 A992/A36 Structural Steel	71.12	33.09
		For Hot Dip Galvanizing, Add	*9.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.22*	
05 12 23 00-0368	LF	S6 x 17.25 A992/A36 Structural Steel	73.39	30.91
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0369	LF	S6 x 12.5 A992/A36 Structural Steel	63.73	28.55
		For Hot Dip Galvanizing, Add	*9.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.75*	
05 12 23 00-0370	LF	S5 x 14.75 A992/A36 Structural Steel	67.29	29.10
		For Hot Dip Galvanizing, Add	*10.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.46*	
05 12 23 00-0371	LF	S5 x 10 A992/A36 Structural Steel	58.59	28.37
		For Hot Dip Galvanizing, Add	*7.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.72*	
05 12 23 00-0372	LF	S4 x 9.5 A992/A36 Structural Steel	57.29	28.37
		For Hot Dip Galvanizing, Add	*7.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.46*	
05 12 23 00-0373	LF	S4 x 7.7 A992/A36 Structural Steel	54.20	28.37
		For Hot Dip Galvanizing, Add	*6.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.84*	
05 12 23 00-0374	LF	S3 x 7.5 A992/A36 Structural Steel	53.91	28.37
		For Hot Dip Galvanizing, Add	*6.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.78*	
05 12 23 00-0375	LF	S3 x 5.7 A992/A36 Structural Steel	50.24	28.19
		For Hot Dip Galvanizing, Add	*5.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.05*	

05 12 23 00-0376 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

05 12 23 00-0377	LF	HP14 x 117 A992/A36 Structural Steel	246.07	41.88
		For Hot Dip Galvanizing, Add	*55.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.21*	
05 12 23 00-0378	LF	HP14 x 102 A992/A36 Structural Steel	216.41	38.97
		For Hot Dip Galvanizing, Add	*48.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.28*	
05 12 23 00-0379	LF	HP14 x 89 A992/A36 Structural Steel	193.69	36.55
		For Hot Dip Galvanizing, Add	*42.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.74*	
05 12 23 00-0380	LF	HP14 x 73 A992/A36 Structural Steel	162.33	34.45
		For Hot Dip Galvanizing, Add	*34.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.47*	
05 12 23 00-0381	LF	HP13 x 100 A992/A36 Structural Steel	212.18	38.20
		For Hot Dip Galvanizing, Add	*47.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.44*	
05 12 23 00-0382	LF	HP13 x 87 A992/A36 Structural Steel	189.33	35.74
		For Hot Dip Galvanizing, Add	*41.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.87*	
05 12 23 00-0383	LF	HP13 x 73 A992/A36 Structural Steel	162.33	34.45
		For Hot Dip Galvanizing, Add	*34.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.47*	
05 12 23 00-0384	LF	HP13 x 60 A992/A36 Structural Steel	139.36	33.01
		For Hot Dip Galvanizing, Add	*28.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.87*	
05 12 23 00-0385	LF	HP12 x 84 A992/A36 Structural Steel	180.51	37.68
		For Hot Dip Galvanizing, Add	*38.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.10*	
05 12 23 00-0386	LF	HP12 x 74 A992/A36 Structural Steel	160.54	35.54
		For Hot Dip Galvanizing, Add	*34.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.11*	
05 12 23 00-0387	LF	HP12 x 63 A992/A36 Structural Steel	139.20	32.69
		For Hot Dip Galvanizing, Add	*28.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.84*	
05 12 23 00-0388	LF	HP12 x 53 A992/A36 Structural Steel	128.15	31.07
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.63*	
05 12 23 00-0389	LF	HP10 x 57 A992/A36 Structural Steel	134.61	31.89
		For Hot Dip Galvanizing, Add	*27.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.92*	
05 12 23 00-0390	LF	HP10 x 42 A992/A36 Structural Steel	112.65	29.89
		For Hot Dip Galvanizing, Add	*22.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0391	LF	HP8 x 36 A992/A36 Structural Steel	98.99	28.19
		For Hot Dip Galvanizing, Add	*19.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.80*	

05 12 23 00-0392 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0393 Angle Iron - L *(05 12 23 00-0392)*

05 12 23 00-0394 1/8" Thick *(05 12 23 00-0393)*

05 12 23 00-0395	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	4.34	2.86
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.82*	
		For 304 Stainless Steel, Add	*1.48*	
		For 316 Stainless Steel, Add	*1.66*	
		For Aluminum, Add	*0.09*	
		For Galvanized Steel, Add	*0.32*	
		For High Strength Steel (HSS), Add	*0.87*	
05 12 23 00-0396	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	4.98	3.24
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-0.93*	
		For 304 Stainless Steel, Add	*1.88*	
		For 316 Stainless Steel, Add	*2.11*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.41*	
		For High Strength Steel (HSS), Add	*1.00*	
05 12 23 00-0397	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	5.58	3.57
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*2.31*	
		For 316 Stainless Steel, Add	*2.59*	
		For Aluminum, Add	*0.15*	
		For Galvanized Steel, Add	*0.50*	
		For High Strength Steel (HSS), Add	*1.12*	
05 12 23 00-0398	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	6.25	3.98
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*2.68*	
		For 316 Stainless Steel, Add	*3.01*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0399	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	6.82	4.29
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.25*	
		For 304 Stainless Steel, Add	*3.14*	
		For 316 Stainless Steel, Add	*3.52*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
		For High Strength Steel (HSS), Add	*1.36*	
05 12 23 00-0400	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	8.12	5.05
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.49*	
		For 304 Stainless Steel, Add	*3.96*	
		For 316 Stainless Steel, Add	*4.45*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.86*	
		For High Strength Steel (HSS), Add	*1.62*	
05 12 23 00-0401	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	8.12	5.05
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.49*	
		For 304 Stainless Steel, Add	*3.96*	
		For 316 Stainless Steel, Add	*4.45*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.86*	
		For High Strength Steel (HSS), Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0402	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	8.92	5.43
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.62*	
		For 304 Stainless Steel, Add	*4.79*	
		For 316 Stainless Steel, Add	*5.38*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.04*	
		For High Strength Steel (HSS), Add	*1.78*	
05 12 23 00-0403	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	9.47	5.61
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.89*	
05 12 23 00-0404	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	9.47	5.61
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.89*	
05 12 23 00-0405	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	10.01	5.79
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*6.50*	
		For 316 Stainless Steel, Add	*7.30*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.41*	
		For High Strength Steel (HSS), Add	*2.00*	

05 12 23 00-0406 3/16" Thick *(05 12 23 00-0393)*

05 12 23 00-0407	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	7.65	4.54
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*4.56*	
		For 316 Stainless Steel, Add	*5.12*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*0.99*	
		For High Strength Steel (HSS), Add	*1.53*	
05 12 23 00-0408	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	9.16	5.34
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.63*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.83*	
05 12 23 00-0409	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	9.16	5.34
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.63*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.83*	
05 12 23 00-0410	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.11	5.72
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*7.07*	
		For 316 Stainless Steel, Add	*7.94*	
		For Aluminum, Add	*0.45*	
		For Galvanized Steel, Add	*1.54*	
		For High Strength Steel (HSS), Add	*2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0411	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	10.83	5.92
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.87*	
		For 304 Stainless Steel, Add	*8.35*	
		For 316 Stainless Steel, Add	*9.38*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For High Strength Steel (HSS), Add	*2.17*	
05 12 23 00-0412	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.83	5.93
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.87*	
		For 304 Stainless Steel, Add	*8.35*	
		For 316 Stainless Steel, Add	*9.38*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For High Strength Steel (HSS), Add	*2.17*	
05 12 23 00-0413	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	11.54	6.13
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-1.97*	
		For 304 Stainless Steel, Add	*9.60*	
		For 316 Stainless Steel, Add	*10.78*	
		For Aluminum, Add	*0.61*	
		For Galvanized Steel, Add	*2.09*	
		For High Strength Steel (HSS), Add	*2.31*	
05 12 23 00-0414	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	12.56	6.56
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.13*	
		For 304 Stainless Steel, Add	*10.83*	
		For 316 Stainless Steel, Add	*12.16*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.36*	
		For High Strength Steel (HSS), Add	*2.51*	
05 12 23 00-0415	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	13.64	7.04
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000, Deduct	*-2.30*	
		For 304 Stainless Steel, Add	*12.14*	
		For 316 Stainless Steel, Add	*13.63*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For High Strength Steel (HSS), Add	*2.73*	
05 12 23 00-0416	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	13.63	7.04
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000, Deduct	*-2.30*	
		For 304 Stainless Steel, Add	*12.11*	
		For 316 Stainless Steel, Add	*13.60*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For High Strength Steel (HSS), Add	*2.73*	
05 12 23 00-0417	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	15.05	7.77
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.01*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.91*	
		For High Strength Steel (HSS), Add	*3.01*	
05 12 23 00-0418	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	16.47	8.51
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-2.78*	
		For 304 Stainless Steel, Add	*14.62*	
		For 316 Stainless Steel, Add	*16.42*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.18*	
		For High Strength Steel (HSS), Add	*3.29*	

05 12 23 00-0419 1/4" Thick *(05 12 23 00-0393)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0420	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	9.05	5.24
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.81*	
05 12 23 00-0421	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	10.16	5.65
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0422	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	10.15	5.65
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*7.47*	
		For 316 Stainless Steel, Add	*8.38*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.62*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0423	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	11.24	6.03
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-1.93*	
		For 304 Stainless Steel, Add	*9.12*	
		For 316 Stainless Steel, Add	*10.24*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*1.98*	
		For High Strength Steel (HSS), Add	*2.25*	
05 12 23 00-0424	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	12.16	6.23
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.05*	
		For 304 Stainless Steel, Add	*10.94*	
		For 316 Stainless Steel, Add	*12.29*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.38*	
		For High Strength Steel (HSS), Add	*2.43*	
05 12 23 00-0425	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	10.89	5.84
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.86*	
		For 304 Stainless Steel, Add	*9.21*	
		For 316 Stainless Steel, Add	*10.34*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*2.00*	
		For High Strength Steel (HSS), Add	*2.18*	
05 12 23 00-0426	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.14	6.23
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000, Deduct	*-2.05*	
		For 304 Stainless Steel, Add	*10.89*	
		For 316 Stainless Steel, Add	*12.22*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.37*	
		For High Strength Steel (HSS), Add	*2.43*	
05 12 23 00-0427	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.98	6.43
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.16*	
		For 304 Stainless Steel, Add	*12.54*	
		For 316 Stainless Steel, Add	*14.08*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.73*	
		For High Strength Steel (HSS), Add	*2.60*	
05 12 23 00-0428	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	14.51	7.13
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.40*	
		For 304 Stainless Steel, Add	*14.28*	
		For 316 Stainless Steel, Add	*16.03*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.11*	
		For High Strength Steel (HSS), Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0429	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	16.08	7.82
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-2.65*	
		For 304 Stainless Steel, Add	*16.13*	
		For 316 Stainless Steel, Add	*18.11*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.51*	
		For High Strength Steel (HSS), Add	*3.22*	
05 12 23 00-0430	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	16.08	7.82
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-2.65*	
		For 304 Stainless Steel, Add	*16.13*	
		For 316 Stainless Steel, Add	*18.11*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.51*	
		For High Strength Steel (HSS), Add	*3.22*	
05 12 23 00-0431	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.79	8.68
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*17.73*	
		For 316 Stainless Steel, Add	*19.90*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.86*	
		For High Strength Steel (HSS), Add	*3.56*	
05 12 23 00-0432	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	19.47	9.53
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.22*	
		For 304 Stainless Steel, Add	*19.27*	
		For 316 Stainless Steel, Add	*21.63*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.19*	
		For High Strength Steel (HSS), Add	*3.89*	
05 12 23 00-0433	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	21.11	10.25
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-3.48*	
		For 304 Stainless Steel, Add	*21.23*	
		For 316 Stainless Steel, Add	*23.84*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.62*	
		For High Strength Steel (HSS), Add	*4.22*	
05 12 23 00-0434	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	22.29	1.07
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.66*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
		For High Strength Steel (HSS), Add	*4.46*	
05 12 23 00-0435	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	22.29	10.71
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.66*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
		For High Strength Steel (HSS), Add	*4.46*	
05 12 23 00-0436	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	23.42	11.15
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.87*	
		For >1,000, Deduct	*-3.83*	
		For 304 Stainless Steel, Add	*24.37*	
		For 316 Stainless Steel, Add	*27.36*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.30*	
		For High Strength Steel (HSS), Add	*4.68*	
05 12 23 00-0437	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	24.63	11.63
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.01*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	24.63	11.63
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.01*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*4.93*	
05 12 23 00-0439	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	26.00	12.26
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.12*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000, Deduct	*-4.23*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
		For High Strength Steel (HSS), Add	*5.20*	

05 12 23 00-0440 5/16" Thick *(05 12 23 00-0393)*

05 12 23 00-0441	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	17.26	8.29
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.42*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000, Deduct	*-2.83*	
		For 304 Stainless Steel, Add	*17.73*	
		For 316 Stainless Steel, Add	*19.90*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.86*	
		For High Strength Steel (HSS), Add	*3.45*	
05 12 23 00-0442	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	18.62	8.79
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*3.72*	
05 12 23 00-0443	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	18.62	8.79
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*3.72*	
05 12 23 00-0444	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.59	9.63
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-3.34*	
		For 304 Stainless Steel, Add	*22.06*	
		For 316 Stainless Steel, Add	*24.77*	
		For Aluminum, Add	*1.39*	
		For Galvanized Steel, Add	*4.80*	
		For High Strength Steel (HSS), Add	*4.12*	
05 12 23 00-0445	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.40	10.47
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.64*	
		For 304 Stainless Steel, Add	*24.05*	
		For 316 Stainless Steel, Add	*27.01*	
		For Aluminum, Add	*1.52*	
		For Galvanized Steel, Add	*5.23*	
		For High Strength Steel (HSS), Add	*4.48*	
05 12 23 00-0446	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	23.80	11.00
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000, Deduct	*-3.85*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*4.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0447	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	25.32	11.55
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.04*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000, Deduct	*-4.07*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*5.06*	
05 12 23 00-0448	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	25.32	11.55
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.04*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000, Deduct	*-4.07*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*5.06*	
05 12 23 00-0449	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	26.90	12.21
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.16*	
		For >500 To 1,000, Deduct	*-3.24*	
		For >1,000, Deduct	*-4.32*	
		For 304 Stainless Steel, Add	*30.27*	
		For 316 Stainless Steel, Add	*33.98*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.58*	
		For High Strength Steel (HSS), Add	*5.38*	
05 12 23 00-0450	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	28.33	12.74
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
		For High Strength Steel (HSS), Add	*5.67*	
05 12 23 00-0451	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	28.33	12.74
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
		For High Strength Steel (HSS), Add	*5.67*	
05 12 23 00-0452	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	29.71	13.28
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.37*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000, Deduct	*-4.74*	
		For 304 Stainless Steel, Add	*34.20*	
		For 316 Stainless Steel, Add	*38.40*	
		For Aluminum, Add	*2.16*	
		For Galvanized Steel, Add	*7.44*	
		For High Strength Steel (HSS), Add	*5.94*	
05 12 23 00-0453	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	32.69	13.84
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.56*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.11*	
		For 304 Stainless Steel, Add	*40.58*	
		For 316 Stainless Steel, Add	*45.57*	
		For Aluminum, Add	*2.56*	
		For Galvanized Steel, Add	*8.83*	
		For High Strength Steel (HSS), Add	*6.54*	
05 12 23 00-0454	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	32.75	14.42
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.60*	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000, Deduct	*-5.20*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*6.55*	

05 12 23 00-0455 3/8" Thick *(05 12 23 00-0393)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0456	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	20.40	9.19
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.63*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000, Deduct	*-3.27*	
		For 304 Stainless Steel, Add	*23.20*	
		For 316 Stainless Steel, Add	*26.05*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.05*	
		For High Strength Steel (HSS), Add	*4.08*	
05 12 23 00-0457	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	22.41	9.96
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.78*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-3.57*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*4.48*	
05 12 23 00-0458	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	24.23	10.72
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.93*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000, Deduct	*-3.85*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*4.85*	
05 12 23 00-0459	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	25.63	11.02
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.02*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.03*	
		For 304 Stainless Steel, Add	*31.15*	
		For 316 Stainless Steel, Add	*34.98*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.78*	
		For High Strength Steel (HSS), Add	*5.13*	
05 12 23 00-0460	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	27.23	11.63
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-4.27*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
		For High Strength Steel (HSS), Add	*5.45*	
05 12 23 00-0461	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	27.23	11.63
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-4.27*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
		For High Strength Steel (HSS), Add	*5.45*	
05 12 23 00-0462	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	29.44	12.66
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-3.47*	
		For >1,000, Deduct	*-4.63*	
		For 304 Stainless Steel, Add	*35.77*	
		For 316 Stainless Steel, Add	*40.16*	
		For Aluminum, Add	*2.26*	
		For Galvanized Steel, Add	*7.78*	
		For High Strength Steel (HSS), Add	*5.89*	
05 12 23 00-0463	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	30.90	13.04
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.83*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*6.18*	
05 12 23 00-0464	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	31.59	13.55
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.48*	
		For >500 To 1,000, Deduct	*-3.72*	
		For >1,000, Deduct	*-4.97*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*6.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0465	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	33.83	14.61
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.67*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.33*	
		For 304 Stainless Steel, Add	*40.90*	
		For 316 Stainless Steel, Add	*45.92*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.90*	
		For High Strength Steel (HSS), Add	*6.77*	
05 12 23 00-0466	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	39.70	17.01
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.12*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000, Deduct	*-6.24*	
		For 304 Stainless Steel, Add	*48.48*	
		For 316 Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
		For High Strength Steel (HSS), Add	*7.94*	
05 12 23 00-0467	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	37.24	15.83
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000, Deduct	*-5.83*	
		For 304 Stainless Steel, Add	*46.00*	
		For 316 Stainless Steel, Add	*51.65*	
		For Aluminum, Add	*2.91*	
		For Galvanized Steel, Add	*10.01*	
		For High Strength Steel (HSS), Add	*7.45*	
05 12 23 00-0468	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	39.70	17.01
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.12*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000, Deduct	*-6.24*	
		For 304 Stainless Steel, Add	*48.48*	
		For 316 Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
		For High Strength Steel (HSS), Add	*7.94*	
05 12 23 00-0469	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	47.83	20.43
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-3.75*	
		For >500 To 1,000, Deduct	*-5.63*	
		For >1,000, Deduct	*-7.51*	
		For 304 Stainless Steel, Add	*58.74*	
		For 316 Stainless Steel, Add	*65.95*	
		For Aluminum, Add	*3.71*	
		For Galvanized Steel, Add	*12.78*	
		For High Strength Steel (HSS), Add	*9.57*	
05 12 23 00-0470	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	43.77	18.72
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-3.44*	
		For >500 To 1,000, Deduct	*-5.16*	
		For >1,000, Deduct	*-6.87*	
		For 304 Stainless Steel, Add	*53.58*	
		For 316 Stainless Steel, Add	*60.16*	
		For Aluminum, Add	*3.38*	
		For Galvanized Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*8.75*	

05 12 23 00-0471 1/2" Thick *(05 12 23 00-0393)*

05 12 23 00-0472	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	27.61	10.96
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.22*	
		For 304 Stainless Steel, Add	*37.05*	
		For 316 Stainless Steel, Add	*41.60*	
		For Aluminum, Add	*2.34*	
		For Galvanized Steel, Add	*8.06*	
		For High Strength Steel (HSS), Add	*5.52*	
05 12 23 00-0473	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	32.60	12.95
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.49*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-4.99*	
		For 304 Stainless Steel, Add	*43.75*	
		For 316 Stainless Steel, Add	*49.12*	
		For Aluminum, Add	*2.76*	
		For Galvanized Steel, Add	*9.52*	
		For High Strength Steel (HSS), Add	*6.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0474	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	34.95	13.87
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.67*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.34*	
		For 304 Stainless Steel, Add	*46.91*	
		For 316 Stainless Steel, Add	*52.67*	
		For Aluminum, Add	*2.96*	
		For Galvanized Steel, Add	*10.21*	
		For High Strength Steel (HSS), Add	*6.99*	
05 12 23 00-0475	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	37.60	14.92
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-2.88*	
		For >500 To 1,000, Deduct	*-4.31*	
		For >1,000, Deduct	*-5.75*	
		For 304 Stainless Steel, Add	*50.45*	
		For 316 Stainless Steel, Add	*56.64*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.97*	
		For High Strength Steel (HSS), Add	*7.52*	
05 12 23 00-0476	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	37.60	14.92
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-2.88*	
		For >500 To 1,000, Deduct	*-4.31*	
		For >1,000, Deduct	*-5.75*	
		For 304 Stainless Steel, Add	*50.45*	
		For 316 Stainless Steel, Add	*56.64*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.97*	
		For High Strength Steel (HSS), Add	*7.52*	
05 12 23 00-0477	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	39.95	15.86
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.05*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000, Deduct	*-6.11*	
		For 304 Stainless Steel, Add	*53.61*	
		For 316 Stainless Steel, Add	*60.19*	
		For Aluminum, Add	*3.39*	
		For Galvanized Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*7.99*	
05 12 23 00-0478	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	47.58	18.89
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.64*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000, Deduct	*-7.28*	
		For 304 Stainless Steel, Add	*63.84*	
		For 316 Stainless Steel, Add	*71.68*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For High Strength Steel (HSS), Add	*9.52*	
05 12 23 00-0479	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	47.58	18.89
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.64*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000, Deduct	*-7.28*	
		For 304 Stainless Steel, Add	*63.84*	
		For 316 Stainless Steel, Add	*71.68*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For High Strength Steel (HSS), Add	*9.52*	
05 12 23 00-0480	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	57.57	22.84
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.40*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.80*	
		For 304 Stainless Steel, Add	*77.24*	
		For 316 Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
		For High Strength Steel (HSS), Add	*11.51*	
05 12 23 00-0481	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	52.56	20.87
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.02*	
		For >500 To 1,000, Deduct	*-6.03*	
		For >1,000, Deduct	*-8.04*	
		For 304 Stainless Steel, Add	*70.51*	
		For 316 Stainless Steel, Add	*79.17*	
		For Aluminum, Add	*4.45*	
		For Galvanized Steel, Add	*15.34*	
		For High Strength Steel (HSS), Add	*10.51*	
05 12 23 00-0482	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	57.57	22.84
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.40*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.80*	
		For 304 Stainless Steel, Add	*77.24*	
		For 316 Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
		For High Strength Steel (HSS), Add	*11.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0483	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	67.57	26.82
		For >100 To 250, Deduct	*-3.48*	
		For >250 To 500, Deduct	*-5.17*	
		For >500 To 1,000, Deduct	*-7.75*	
		For >1,000, Deduct	*-10.33*	
		For 304 Stainless Steel, Add	*90.66*	
		For 316 Stainless Steel, Add	*101.79*	
		For Aluminum, Add	*5.73*	
		For Galvanized Steel, Add	*19.72*	
		For High Strength Steel (HSS), Add	*13.51*	
05 12 23 00-0484	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	77.54	30.78
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-5.93*	
		For >500 To 1,000, Deduct	*-8.89*	
		For >1,000, Deduct	*-11.86*	
		For 304 Stainless Steel, Add	*104.03*	
		For 316 Stainless Steel, Add	*116.80*	
		For Aluminum, Add	*6.57*	
		For Galvanized Steel, Add	*22.63*	
		For High Strength Steel (HSS), Add	*15.51*	

05 12 23 00-0485 5/8" Thick *(05 12 23 00-0393)*

05 12 23 00-0486	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	44.52	17.10
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.37*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000, Deduct	*-6.73*	
		For 316 Stainless Steel, Add	*69.47*	
		For Aluminum, Add	*3.91*	
		For Galvanized Steel, Add	*13.46*	
		For High Strength Steel (HSS), Add	*8.90*	
05 12 23 00-0487	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	47.64	18.30
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000, Deduct	*-7.20*	
		For 316 Stainless Steel, Add	*74.37*	
		For Aluminum, Add	*4.18*	
		For Galvanized Steel, Add	*14.41*	
		For High Strength Steel (HSS), Add	*9.53*	
05 12 23 00-0488	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	56.70	21.79
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.58*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
		For High Strength Steel (HSS), Add	*11.34*	
05 12 23 00-0489	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	56.70	21.79
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.58*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
		For High Strength Steel (HSS), Add	*11.34*	
05 12 23 00-0490	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	68.62	26.37
		For >100 To 250, Deduct	*-3.47*	
		For >250 To 500, Deduct	*-5.19*	
		For >500 To 1,000, Deduct	*-7.78*	
		For >1,000, Deduct	*-10.38*	
		For 316 Stainless Steel, Add	*107.10*	
		For Aluminum, Add	*6.02*	
		For Galvanized Steel, Add	*20.75*	
		For High Strength Steel (HSS), Add	*13.72*	
05 12 23 00-0491	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	62.66	24.08
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.74*	
		For >500 To 1,000, Deduct	*-7.11*	
		For >1,000, Deduct	*-9.48*	
		For 316 Stainless Steel, Add	*97.79*	
		For Aluminum, Add	*5.50*	
		For Galvanized Steel, Add	*18.95*	
		For High Strength Steel (HSS), Add	*12.53*	
05 12 23 00-0492	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	80.81	31.06
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-6.11*	
		For >500 To 1,000, Deduct	*-9.17*	
		For >1,000, Deduct	*-12.22*	
		For 316 Stainless Steel, Add	*126.11*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.43*	
		For High Strength Steel (HSS), Add	*16.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	92.73	35.63
		For >100 To 250, Deduct	*-4.69*	
		For >250 To 500, Deduct	*-7.01*	
		For >500 To 1,000, Deduct	*-10.52*	
		For >1,000, Deduct	*-14.02*	
		For 316 Stainless Steel, Add	*144.70*	
		For Aluminum, Add	*8.14*	
		For Galvanized Steel, Add	*28.04*	
		For High Strength Steel (HSS), Add	*18.55*	
05 12 23 00-0494		3/4" Thick *(05 12 23 00-0393)*		
05 12 23 00-0495	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	50.80	18.91
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.80*	
		For >500 To 1,000, Deduct	*-5.70*	
		For >1,000, Deduct	*-7.60*	
		For 316 Stainless Steel, Add	*81.89*	
		For Aluminum, Add	*4.61*	
		For Galvanized Steel, Add	*15.87*	
		For High Strength Steel (HSS), Add	*10.16*	
05 12 23 00-0496	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	54.35	20.22
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.07*	
		For >500 To 1,000, Deduct	*-6.10*	
		For >1,000, Deduct	*-8.13*	
		For 316 Stainless Steel, Add	*87.62*	
		For Aluminum, Add	*4.93*	
		For Galvanized Steel, Add	*16.98*	
		For High Strength Steel (HSS), Add	*10.87*	
05 12 23 00-0497	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	64.78	24.12
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.27*	
		For >1,000, Deduct	*-9.69*	
		For 316 Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*12.96*	
05 12 23 00-0498	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	64.78	24.12
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.27*	
		For >1,000, Deduct	*-9.69*	
		For 316 Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*12.96*	
05 12 23 00-0499	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	78.79	29.30
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-5.89*	
		For >500 To 1,000, Deduct	*-8.84*	
		For >1,000, Deduct	*-11.79*	
		For 316 Stainless Steel, Add	*127.01*	
		For Aluminum, Add	*7.14*	
		For Galvanized Steel, Add	*24.61*	
		For High Strength Steel (HSS), Add	*15.76*	
05 12 23 00-0500	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	71.92	26.77
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-5.38*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000, Deduct	*-10.76*	
		For 316 Stainless Steel, Add	*115.94*	
		For Aluminum, Add	*6.52*	
		For Galvanized Steel, Add	*22.46*	
		For High Strength Steel (HSS), Add	*14.38*	
05 12 23 00-0501	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	78.79	29.30
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-5.89*	
		For >500 To 1,000, Deduct	*-8.84*	
		For >1,000, Deduct	*-11.79*	
		For 316 Stainless Steel, Add	*127.01*	
		For Aluminum, Add	*7.14*	
		For Galvanized Steel, Add	*24.61*	
		For High Strength Steel (HSS), Add	*15.76*	
05 12 23 00-0502	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	92.79	34.52
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-6.94*	
		For >500 To 1,000, Deduct	*-10.41*	
		For >1,000, Deduct	*-13.88*	
		For 316 Stainless Steel, Add	*149.60*	
		For Aluminum, Add	*8.42*	
		For Galvanized Steel, Add	*28.99*	
		For High Strength Steel (HSS), Add	*18.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0503	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	106.79	39.73
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-7.99*	
		For >500 To 1,000, Deduct	*-11.98*	
		For >1,000, Deduct	*-15.98*	
		For 316 Stainless Steel, Add	*172.16*	
		For Aluminum, Add	*9.68*	
		For Galvanized Steel, Add	*33.36*	
		For High Strength Steel (HSS), Add	*21.36*	

05 12 23 00-0504 7/8" Thick *(05 12 23 00-0393)*

05 12 23 00-0505	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	72.19	25.93
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-5.34*	
		For >500 To 1,000, Deduct	*-8.01*	
		For >1,000, Deduct	*-10.68*	
		For 316 Stainless Steel, Add	*120.35*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
		For High Strength Steel (HSS), Add	*14.44*	
05 12 23 00-0506	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	72.19	25.93
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-5.34*	
		For >500 To 1,000, Deduct	*-8.01*	
		For >1,000, Deduct	*-10.68*	
		For 316 Stainless Steel, Add	*120.35*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
		For High Strength Steel (HSS), Add	*14.44*	
05 12 23 00-0507	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	87.86	31.56
		For >100 To 250, Deduct	*-4.30*	
		For >250 To 500, Deduct	*-6.50*	
		For >500 To 1,000, Deduct	*-9.75*	
		For >1,000, Deduct	*-12.99*	
		For 316 Stainless Steel, Add	*146.50*	
		For Aluminum, Add	*8.24*	
		For Galvanized Steel, Add	*28.38*	
		For High Strength Steel (HSS), Add	*17.57*	
05 12 23 00-0508	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	103.77	37.28
		For >100 To 250, Deduct	*-5.08*	
		For >250 To 500, Deduct	*-7.67*	
		For >500 To 1,000, Deduct	*-11.51*	
		For >1,000, Deduct	*-15.35*	
		For 316 Stainless Steel, Add	*173.02*	
		For Aluminum, Add	*9.73*	
		For Galvanized Steel, Add	*33.52*	
		For High Strength Steel (HSS), Add	*20.75*	
05 12 23 00-0509	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	119.42	42.90
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.83*	
		For >500 To 1,000, Deduct	*-13.25*	
		For >1,000, Deduct	*-17.66*	
		For 316 Stainless Steel, Add	*199.10*	
		For Aluminum, Add	*11.20*	
		For Galvanized Steel, Add	*38.58*	
		For High Strength Steel (HSS), Add	*23.88*	

05 12 23 00-0510 Bar Channel *(05 12 23 00-0392)*

05 12 23 00-0511	LF	1" x 1/2" x 1/8" Thick Bar Channel	7.23	
		For 304 Stainless Steel, Add	*4.30*	
		For 316 Stainless Steel, Add	*4.83*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.94*	
		For High Strength Steel (HSS), Add	*1.45*	
05 12 23 00-0512	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	8.03	
		For 304 Stainless Steel, Add	*5.13*	
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.12*	
		For High Strength Steel (HSS), Add	*1.61*	
05 12 23 00-0513	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	8.72	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.74*	
05 12 23 00-0514	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	10.14	
		For 304 Stainless Steel, Add	*5.93*	
		For 316 Stainless Steel, Add	*6.66*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.29*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0515	LF	2" x 1/2" x 1/8" Thick Bar Channel	10.61	
		For 304 Stainless Steel, Add	*7.27*	
		For 316 Stainless Steel, Add	*8.16*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0516	LF	2" x 1" x 1/8" Thick Bar Channel	14.36	
		For 304 Stainless Steel, Add	*8.09*	
		For 316 Stainless Steel, Add	*9.09*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.76*	
05 12 23 00-0517		Channels - C *(05 12 23 00-0392)*		
05 12 23 00-0518	LF	C2 x 1.78 - 2" Wide Channel	11.89	7.11
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.14*	
		For 304 Stainless Steel, Add	*6.90*	
		For 316 Stainless Steel, Add	*7.74*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.50*	
05 12 23 00-0519	LF	C3 x 4.1 - 3" Wide Channel	19.29	10.21
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.65*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.29*	
		For 304 Stainless Steel, Add	*16.16*	
		For 316 Stainless Steel, Add	*18.14*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.52*	
05 12 23 00-0520	LF	C3 x 5 - 3" Wide Channel	23.53	12.45
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
05 12 23 00-0521	LF	C3 x 6 - 3" Wide Channel	28.24	14.95
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-4.82*	
		For 304 Stainless Steel, Add	*23.66*	
		For 316 Stainless Steel, Add	*26.56*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.15*	
05 12 23 00-0522	LF	C4 x 5.4 - 4" Wide Channel	23.81	12.26
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*21.29*	
		For 316 Stainless Steel, Add	*23.90*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.63*	
05 12 23 00-0523	LF	C4 x 7.25 - 4" Wide Channel	31.96	16.45
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.70*	
		For >500 To 1,000, Deduct	*-4.04*	
		For >1,000, Deduct	*-5.39*	
		For 304 Stainless Steel, Add	*28.56*	
		For 316 Stainless Steel, Add	*32.06*	
		For Aluminum, Add	*1.80*	
		For Galvanized Steel, Add	*6.21*	
05 12 23 00-0524	LF	C5 x 6.7 - 5" Wide Channel	28.33	14.29
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.37*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000, Deduct	*-4.74*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	
05 12 23 00-0525	LF	C5 x 9 - 5" Wide Channel	38.04	19.21
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.18*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.36*	
		For 304 Stainless Steel, Add	*35.45*	
		For 316 Stainless Steel, Add	*39.81*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.71*	
05 12 23 00-0526	LF	C6 x 8.2 - 6" Wide Channel	34.22	17.16
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000, Deduct	*-5.71*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0527	LF	C6 x 10.5 - 6" Wide Channel	43.81	21.98
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.31*	
		For 304 Stainless Steel, Add	*41.38*	
		For 316 Stainless Steel, Add	*46.46*	
		For Aluminum, Add	*2.61*	
		For Galvanized Steel, Add	*9.00*	
05 12 23 00-0528	LF	C6 x 13 - 6" Wide Channel	54.25	27.20
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.53*	
		For >500 To 1,000, Deduct	*-6.79*	
		For >1,000, Deduct	*-9.05*	
		For 304 Stainless Steel, Add	*51.21*	
		For 316 Stainless Steel, Add	*57.50*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.14*	
05 12 23 00-0529	LF	C7 x 9.8 - 7" Wide Channel	40.79	20.43
		For >100 To 250, Deduct	*-2.38*	
		For >250 To 500, Deduct	*-3.40*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000, Deduct	*-6.80*	
		For 304 Stainless Steel, Add	*38.62*	
		For 316 Stainless Steel, Add	*43.36*	
		For Aluminum, Add	*2.44*	
		For Galvanized Steel, Add	*8.40*	
05 12 23 00-0530	LF	C7 x 12.25 - 7" Wide Channel	50.99	25.53
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-4.25*	
		For >500 To 1,000, Deduct	*-6.38*	
		For >1,000, Deduct	*-8.50*	
		For 304 Stainless Steel, Add	*48.28*	
		For 316 Stainless Steel, Add	*54.21*	
		For Aluminum, Add	*3.05*	
		For Galvanized Steel, Add	*10.50*	
05 12 23 00-0531	LF	C7 x 14.75 - 7" Wide Channel	61.39	30.74
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-5.12*	
		For >500 To 1,000, Deduct	*-7.68*	
		For >1,000, Deduct	*-10.24*	
		For 304 Stainless Steel, Add	*58.11*	
		For 316 Stainless Steel, Add	*65.25*	
		For Aluminum, Add	*3.67*	
		For Galvanized Steel, Add	*12.64*	
05 12 23 00-0532	LF	C8 x 11.5 - 8" Wide Channel	45.87	22.47
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-3.79*	
		For >500 To 1,000, Deduct	*-5.69*	
		For >1,000, Deduct	*-7.58*	
		For 304 Stainless Steel, Add	*45.32*	
		For 316 Stainless Steel, Add	*50.88*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.86*	
05 12 23 00-0533	LF	C8 x 13.75 - 8" Wide Channel	54.84	26.88
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.53*	
		For >500 To 1,000, Deduct	*-6.80*	
		For >1,000, Deduct	*-9.07*	
		For 304 Stainless Steel, Add	*54.18*	
		For 316 Stainless Steel, Add	*60.83*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
05 12 23 00-0534	LF	C8 x 18.75 - 8" Wide Channel	74.76	36.64
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-6.18*	
		For >500 To 1,000, Deduct	*-9.27*	
		For >1,000, Deduct	*-12.36*	
		For 304 Stainless Steel, Add	*73.87*	
		For 316 Stainless Steel, Add	*82.94*	
		For Aluminum, Add	*4.67*	
		For Galvanized Steel, Add	*16.07*	
05 12 23 00-0535	LF	C9 x 13.4 - 9" Wide Channel	53.45	26.18
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-4.42*	
		For >500 To 1,000, Deduct	*-6.63*	
		For >1,000, Deduct	*-8.84*	
		For 304 Stainless Steel, Add	*52.81*	
		For 316 Stainless Steel, Add	*59.30*	
		For Aluminum, Add	*3.34*	
		For Galvanized Steel, Add	*11.49*	
05 12 23 00-0536	LF	C9 x 15 - 9" Wide Channel	59.82	29.30
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-4.95*	
		For >500 To 1,000, Deduct	*-7.42*	
		For >1,000, Deduct	*-9.89*	
		For 304 Stainless Steel, Add	*59.11*	
		For 316 Stainless Steel, Add	*66.37*	
		For Aluminum, Add	*3.73*	
		For Galvanized Steel, Add	*12.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0537	LF	C9 x 20 - 9" Wide Channel	79.77	39.08
		For >100 To 250, Deduct	*-4.60*	
		For >250 To 500, Deduct	*-6.59*	
		For >500 To 1,000, Deduct	*-9.89*	
		For >1,000, Deduct	*-13.19*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0538	LF	C10 x 15.3 - 10" Wide Channel	61.00	29.89
		For >100 To 250, Deduct	*-3.52*	
		For >250 To 500, Deduct	*-5.04*	
		For >500 To 1,000, Deduct	*-7.56*	
		For >1,000, Deduct	*-10.09*	
		For 304 Stainless Steel, Add	*60.28*	
		For 316 Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	
05 12 23 00-0539	LF	C10 x 20 - 10" Wide Channel	79.77	39.08
		For >100 To 250, Deduct	*-4.60*	
		For >250 To 500, Deduct	*-6.59*	
		For >500 To 1,000, Deduct	*-9.89*	
		For >1,000, Deduct	*-13.19*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0540	LF	C10 x 25 - 10" Wide Channel	99.70	48.84
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.24*	
		For >500 To 1,000, Deduct	*-12.36*	
		For >1,000, Deduct	*-16.48*	
		For 304 Stainless Steel, Add	*98.52*	
		For 316 Stainless Steel, Add	*110.62*	
		For Aluminum, Add	*6.22*	
		For Galvanized Steel, Add	*21.43*	
05 12 23 00-0541	LF	C10 x 30 - 10" Wide Channel	119.64	58.62
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-9.89*	
		For >500 To 1,000, Deduct	*-14.84*	
		For >1,000, Deduct	*-19.78*	
		For 304 Stainless Steel, Add	*118.22*	
		For 316 Stainless Steel, Add	*132.74*	
		For Aluminum, Add	*7.47*	
		For Galvanized Steel, Add	*25.72*	
05 12 23 00-0542	LF	C12 x 20.7 - 12" Wide Channel	82.55	40.46
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-6.82*	
		For >500 To 1,000, Deduct	*-10.24*	
		For >1,000, Deduct	*-13.65*	
		For 304 Stainless Steel, Add	*81.57*	
		For 316 Stainless Steel, Add	*91.58*	
		For Aluminum, Add	*5.15*	
		For Galvanized Steel, Add	*17.74*	
05 12 23 00-0543	LF	C12 x 25 - 12" Wide Channel	99.70	48.84
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.24*	
		For >500 To 1,000, Deduct	*-12.36*	
		For >1,000, Deduct	*-16.48*	
		For 304 Stainless Steel, Add	*98.52*	
		For 316 Stainless Steel, Add	*110.62*	
		For Aluminum, Add	*6.22*	
		For Galvanized Steel, Add	*21.43*	
05 12 23 00-0544	LF	C12 x 30 - 12" Wide Channel	119.64	58.62
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-9.89*	
		For >500 To 1,000, Deduct	*-14.84*	
		For >1,000, Deduct	*-19.78*	
		For 304 Stainless Steel, Add	*118.22*	
		For 316 Stainless Steel, Add	*132.74*	
		For Aluminum, Add	*7.47*	
		For Galvanized Steel, Add	*25.72*	
05 12 23 00-0545	LF	C15 x 33.9 - 15" Wide Channel	135.20	66.24
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-11.18*	
		For >500 To 1,000, Deduct	*-16.76*	
		For >1,000, Deduct	*-22.35*	
		For 304 Stainless Steel, Add	*133.58*	
		For 316 Stainless Steel, Add	*149.98*	
		For Aluminum, Add	*8.44*	
		For Galvanized Steel, Add	*29.06*	
05 12 23 00-0546	LF	C15 x 40 - 15" Wide Channel	159.52	78.16
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-13.19*	
		For >500 To 1,000, Deduct	*-19.78*	
		For >1,000, Deduct	*-26.37*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0547	LF	C15 x 50 - 15" Wide Channel	199.40	97.70
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-24.73*	
		For >1,000, Deduct	*-32.97*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0548		Miscellaneous Channels - MC *(05 12 23 00-0392)*		
05 12 23 00-0549	LF	MC6 x 12 - 6" Wide Channel	50.07	25.12
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-4.18*	
		For >500 To 1,000, Deduct	*-6.27*	
		For >1,000, Deduct	*-8.36*	
		For 304 Stainless Steel, Add	*47.28*	
		For 316 Stainless Steel, Add	*53.09*	
		For Aluminum, Add	*2.99*	
		For Galvanized Steel, Add	*10.29*	
05 12 23 00-0550	LF	MC6 x 15.1 - 6" Wide Channel	63.01	31.60
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-5.26*	
		For >500 To 1,000, Deduct	*-7.89*	
		For >1,000, Deduct	*-10.51*	
		For 304 Stainless Steel, Add	*59.51*	
		For 316 Stainless Steel, Add	*66.82*	
		For Aluminum, Add	*3.76*	
		For Galvanized Steel, Add	*12.95*	
05 12 23 00-0551	LF	MC6 x 15.3 - 6" Wide Channel	63.84	32.01
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-5.33*	
		For >500 To 1,000, Deduct	*-7.99*	
		For >1,000, Deduct	*-10.65*	
		For 304 Stainless Steel, Add	*60.28*	
		For 316 Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	
05 12 23 00-0552	LF	MC6 x 16.3 - 6" Wide Channel	68.03	34.11
		For >100 To 250, Deduct	*-3.98*	
		For >250 To 500, Deduct	*-5.68*	
		For >500 To 1,000, Deduct	*-8.51*	
		For >1,000, Deduct	*-11.35*	
		For 304 Stainless Steel, Add	*64.24*	
		For 316 Stainless Steel, Add	*72.13*	
		For Aluminum, Add	*4.06*	
		For Galvanized Steel, Add	*13.97*	
05 12 23 00-0553	LF	MC6 x 18 - 6" Wide Channel	75.11	37.66
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-6.27*	
		For >500 To 1,000, Deduct	*-9.40*	
		For >1,000, Deduct	*-12.53*	
		For 304 Stainless Steel, Add	*70.94*	
		For 316 Stainless Steel, Add	*79.65*	
		For Aluminum, Add	*4.48*	
		For Galvanized Steel, Add	*15.43*	
05 12 23 00-0554	LF	MC7 x 17.6 - 7" Wide Channel	73.25	36.70
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-6.11*	
		For >500 To 1,000, Deduct	*-9.16*	
		For >1,000, Deduct	*-12.22*	
		For 304 Stainless Steel, Add	*69.34*	
		For 316 Stainless Steel, Add	*77.86*	
		For Aluminum, Add	*4.38*	
		For Galvanized Steel, Add	*15.08*	
05 12 23 00-0555	LF	MC7 x 19.1 - 7" Wide Channel	79.50	39.82
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-6.63*	
		For >500 To 1,000, Deduct	*-9.94*	
		For >1,000, Deduct	*-13.26*	
		For 304 Stainless Steel, Add	*75.27*	
		For 316 Stainless Steel, Add	*84.51*	
		For Aluminum, Add	*4.75*	
		For Galvanized Steel, Add	*16.37*	
05 12 23 00-0556	LF	MC7 x 22.7 - 7" Wide Channel	94.49	47.32
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-7.88*	
		For >500 To 1,000, Deduct	*-11.82*	
		For >1,000, Deduct	*-15.76*	
		For 304 Stainless Steel, Add	*89.46*	
		For 316 Stainless Steel, Add	*100.45*	
		For Aluminum, Add	*5.65*	
		For Galvanized Steel, Add	*19.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0557	LF	MC8 x 8.5 - 8" Wide Channel	33.91	16.62
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000, Deduct	*-5.61*	
		For 304 Stainless Steel, Add	*33.49*	
		For 316 Stainless Steel, Add	*37.60*	
		For Aluminum, Add	*2.12*	
		For Galvanized Steel, Add	*7.29*	
05 12 23 00-0558	LF	MC8 x 18.7 - 8" Wide Channel	74.58	36.53
		For >100 To 250, Deduct	*-4.30*	
		For >250 To 500, Deduct	*-6.17*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-12.33*	
		For 304 Stainless Steel, Add	*73.70*	
		For 316 Stainless Steel, Add	*82.75*	
		For Aluminum, Add	*4.65*	
		For Galvanized Steel, Add	*16.03*	
05 12 23 00-0559	LF	MC8 x 20 - 8" Wide Channel	79.77	39.08
		For >100 To 250, Deduct	*-4.60*	
		For >250 To 500, Deduct	*-6.59*	
		For >500 To 1,000, Deduct	*-9.89*	
		For >1,000, Deduct	*-13.19*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0560	LF	MC8 x 21.4 - 8" Wide Channel	85.36	41.82
		For >100 To 250, Deduct	*-4.92*	
		For >250 To 500, Deduct	*-7.06*	
		For >500 To 1,000, Deduct	*-10.58*	
		For >1,000, Deduct	*-14.11*	
		For 304 Stainless Steel, Add	*84.33*	
		For 316 Stainless Steel, Add	*94.69*	
		For Aluminum, Add	*5.33*	
		For Galvanized Steel, Add	*18.35*	
05 12 23 00-0561	LF	MC8 x 22.8 - 8" Wide Channel	90.91	44.57
		For >100 To 250, Deduct	*-5.24*	
		For >250 To 500, Deduct	*-7.52*	
		For >500 To 1,000, Deduct	*-11.27*	
		For >1,000, Deduct	*-15.03*	
		For 304 Stainless Steel, Add	*89.83*	
		For 316 Stainless Steel, Add	*100.86*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.54*	
05 12 23 00-0562	LF	MC9 x 23.9 - 9" Wide Channel	95.31	46.71
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-7.88*	
		For >500 To 1,000, Deduct	*-11.82*	
		For >1,000, Deduct	*-15.76*	
		For 304 Stainless Steel, Add	*94.19*	
		For 316 Stainless Steel, Add	*105.76*	
		For Aluminum, Add	*5.95*	
		For Galvanized Steel, Add	*20.49*	
05 12 23 00-0563	LF	MC9 x 25.4 - 9" Wide Channel	101.29	49.63
		For >100 To 250, Deduct	*-5.84*	
		For >250 To 500, Deduct	*-8.37*	
		For >500 To 1,000, Deduct	*-12.56*	
		For >1,000, Deduct	*-16.75*	
		For 304 Stainless Steel, Add	*100.09*	
		For 316 Stainless Steel, Add	*112.38*	
		For Aluminum, Add	*6.32*	
		For Galvanized Steel, Add	*21.77*	
05 12 23 00-0564	LF	MC10 x 6.5 - 10" Wide Channel	25.93	12.69
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.22*	
		For >1,000, Deduct	*-4.29*	
		For 304 Stainless Steel, Add	*25.62*	
		For 316 Stainless Steel, Add	*28.77*	
		For Aluminum, Add	*1.62*	
		For Galvanized Steel, Add	*5.57*	
05 12 23 00-0565	LF	MC10 x 8.4 - 10" Wide Channel	33.50	16.42
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.77*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-5.54*	
		For 304 Stainless Steel, Add	*33.09*	
		For 316 Stainless Steel, Add	*37.15*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.20*	
05 12 23 00-0566	LF	MC10 x 21.9 - 10" Wide Channel	87.34	42.80
		For >100 To 250, Deduct	*-5.04*	
		For >250 To 500, Deduct	*-7.22*	
		For >500 To 1,000, Deduct	*-10.83*	
		For >1,000, Deduct	*-14.44*	
		For 304 Stainless Steel, Add	*86.30*	
		For 316 Stainless Steel, Add	*96.90*	
		For Aluminum, Add	*5.45*	
		For Galvanized Steel, Add	*18.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0567	LF	MC10 x 24.9 - 10" Wide Channel	99.31	48.66
		For >100 To 250, Deduct	*-5.73*	
		For >250 To 500, Deduct	*-8.21*	
		For >500 To 1,000, Deduct	*-12.31*	
		For >1,000, Deduct	*-16.42*	
		For 304 Stainless Steel, Add	*98.13*	
		For 316 Stainless Steel, Add	*110.18*	
		For Aluminum, Add	*6.20*	
		For Galvanized Steel, Add	*21.35*	
05 12 23 00-0568	LF	MC10 x 25.3 - 10" Wide Channel	100.90	49.45
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-12.51*	
		For >1,000, Deduct	*-16.68*	
		For 304 Stainless Steel, Add	*99.69*	
		For 316 Stainless Steel, Add	*111.94*	
		For Aluminum, Add	*6.30*	
		For Galvanized Steel, Add	*21.69*	
05 12 23 00-0569	LF	MC10 x 28.3 - 10" Wide Channel	112.87	55.30
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-9.33*	
		For >500 To 1,000, Deduct	*-14.00*	
		For >1,000, Deduct	*-18.66*	
		For 304 Stainless Steel, Add	*111.52*	
		For 316 Stainless Steel, Add	*125.22*	
		For Aluminum, Add	*7.04*	
		For Galvanized Steel, Add	*24.26*	
05 12 23 00-0570	LF	MC10 x 28.5 - 10" Wide Channel	113.66	55.69
		For >100 To 250, Deduct	*-6.55*	
		For >250 To 500, Deduct	*-9.40*	
		For >500 To 1,000, Deduct	*-14.09*	
		For >1,000, Deduct	*-18.79*	
		For 304 Stainless Steel, Add	*112.32*	
		For 316 Stainless Steel, Add	*126.11*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.43*	
05 12 23 00-0571	LF	MC10 x 33.6 - 10" Wide Channel	134.00	65.67
		For >100 To 250, Deduct	*-7.73*	
		For >250 To 500, Deduct	*-11.08*	
		For >500 To 1,000, Deduct	*-16.62*	
		For >1,000, Deduct	*-22.15*	
		For 304 Stainless Steel, Add	*132.41*	
		For 316 Stainless Steel, Add	*148.67*	
		For Aluminum, Add	*8.36*	
		For Galvanized Steel, Add	*28.81*	
05 12 23 00-0572	LF	MC10 x 41.1 - 10" Wide Channel	163.91	80.31
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-13.55*	
		For >500 To 1,000, Deduct	*-20.32*	
		For >1,000, Deduct	*-27.10*	
		For 304 Stainless Steel, Add	*161.97*	
		For 316 Stainless Steel, Add	*181.86*	
		For Aluminum, Add	*10.23*	
		For Galvanized Steel, Add	*35.23*	
05 12 23 00-0573	LF	MC12 x 30.9 - 12" Wide Channel	123.23	60.38
		For >100 To 250, Deduct	*-7.11*	
		For >250 To 500, Deduct	*-10.19*	
		For >500 To 1,000, Deduct	*-15.28*	
		For >1,000, Deduct	*-20.37*	
		For 304 Stainless Steel, Add	*121.75*	
		For 316 Stainless Steel, Add	*136.70*	
		For Aluminum, Add	*7.69*	
		For Galvanized Steel, Add	*26.49*	
05 12 23 00-0574	LF	MC12 x 32.9 - 12" Wide Channel	131.22	64.29
		For >100 To 250, Deduct	*-7.57*	
		For >250 To 500, Deduct	*-10.85*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-21.70*	
		For 304 Stainless Steel, Add	*129.65*	
		For 316 Stainless Steel, Add	*145.57*	
		For Aluminum, Add	*8.19*	
		For Galvanized Steel, Add	*28.20*	
05 12 23 00-0575	LF	MC12 x 35 - 12" Wide Channel	139.59	68.38
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-11.54*	
		For >500 To 1,000, Deduct	*-17.31*	
		For >1,000, Deduct	*-23.08*	
		For 304 Stainless Steel, Add	*137.91*	
		For 316 Stainless Steel, Add	*154.85*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
05 12 23 00-0576	LF	MC12 x 37 - 12" Wide Channel	147.57	72.31
		For >100 To 250, Deduct	*-8.51*	
		For >250 To 500, Deduct	*-12.20*	
		For >500 To 1,000, Deduct	*-18.30*	
		For >1,000, Deduct	*-24.40*	
		For 304 Stainless Steel, Add	*145.81*	
		For 316 Stainless Steel, Add	*163.71*	
		For Aluminum, Add	*9.21*	
		For Galvanized Steel, Add	*31.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0577	LF	MC12 x 40 - 12" Wide Channel	159.52	78.16
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-13.19*	
		For >500 To 1,000, Deduct	*-19.78*	
		For >1,000, Deduct	*-26.37*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0578	LF	MC12 x 45 - 12" Wide Channel	179.47	87.94
		For >100 To 250, Deduct	*-10.35*	
		For >250 To 500, Deduct	*-14.84*	
		For >500 To 1,000, Deduct	*-22.25*	
		For >1,000, Deduct	*-29.67*	
		For 304 Stainless Steel, Add	*177.33*	
		For 316 Stainless Steel, Add	*199.10*	
		For Aluminum, Add	*11.20*	
		For Galvanized Steel, Add	*38.58*	
05 12 23 00-0579	LF	MC12 x 50 - 12" Wide Channel	199.40	97.72
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-24.73*	
		For >1,000, Deduct	*-32.97*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0580	LF	MC13 x 31.8 - 13" Wide Channel	126.83	62.14
		For >100 To 250, Deduct	*-7.31*	
		For >250 To 500, Deduct	*-10.48*	
		For >500 To 1,000, Deduct	*-15.73*	
		For >1,000, Deduct	*-20.97*	
		For 304 Stainless Steel, Add	*125.31*	
		For 316 Stainless Steel, Add	*140.70*	
		For Aluminum, Add	*7.91*	
		For Galvanized Steel, Add	*27.26*	
05 12 23 00-0581	LF	MC13 x 35 - 13" Wide Channel	139.59	68.38
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-11.54*	
		For >500 To 1,000, Deduct	*-17.31*	
		For >1,000, Deduct	*-23.08*	
		For 304 Stainless Steel, Add	*137.91*	
		For 316 Stainless Steel, Add	*154.85*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
05 12 23 00-0582	LF	MC13 x 40 - 13" Wide Channel	159.52	78.16
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-13.19*	
		For >500 To 1,000, Deduct	*-19.78*	
		For >1,000, Deduct	*-26.37*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0583	LF	MC13 x 50 - 13" Wide Channel	199.40	97.72
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-24.73*	
		For >1,000, Deduct	*-32.97*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0584	LF	MC18 x 42.7 - 18" Wide Channel	170.30	83.44
		For >100 To 250, Deduct	*-9.82*	
		For >250 To 500, Deduct	*-14.08*	
		For >500 To 1,000, Deduct	*-21.12*	
		For >1,000, Deduct	*-28.16*	
		For 304 Stainless Steel, Add	*168.26*	
		For 316 Stainless Steel, Add	*188.93*	
		For Aluminum, Add	*10.63*	
		For Galvanized Steel, Add	*36.60*	
05 12 23 00-0585	LF	MC18 x 45.8 - 18" Wide Channel	182.65	89.50
		For >100 To 250, Deduct	*-10.53*	
		For >250 To 500, Deduct	*-15.10*	
		For >500 To 1,000, Deduct	*-22.65*	
		For >1,000, Deduct	*-30.20*	
		For 304 Stainless Steel, Add	*180.49*	
		For 316 Stainless Steel, Add	*202.66*	
		For Aluminum, Add	*11.40*	
		For Galvanized Steel, Add	*39.26*	
05 12 23 00-0586	LF	MC18 x 51.9 - 18" Wide Channel	206.99	101.41
		For >100 To 250, Deduct	*-11.94*	
		For >250 To 500, Deduct	*-17.11*	
		For >500 To 1,000, Deduct	*-25.67*	
		For >1,000, Deduct	*-34.22*	
		For 304 Stainless Steel, Add	*204.52*	
		For 316 Stainless Steel, Add	*229.63*	
		For Aluminum, Add	*12.92*	
		For Galvanized Steel, Add	*44.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0587	LF	MC18 x 58 - 18" Wide Channel	231.31	113.33
		For >100 To 250, Deduct	*-13.34*	
		For >250 To 500, Deduct	*-19.12*	
		For >500 To 1,000, Deduct	*-28.68*	
		For >1,000, Deduct	*-38.24*	
		For 304 Stainless Steel, Add	*228.54*	
		For 316 Stainless Steel, Add	*256.61*	
		For Aluminum, Add	*14.43*	
		For Galvanized Steel, Add	*49.72*	

05 12 23 00-0588 Structural Bar Tees *(05 12 23 00-0392)*

05 12 23 00-0589	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	8.05	5.19
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.50*	
		For 304 Stainless Steel, Add	*3.19*	
		For 316 Stainless Steel, Add	*3.58*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.69*	
05 12 23 00-0590	LF	1" x 1" x 1/8" Structural Bar Tee	9.69	6.13
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.79*	
		For 304 Stainless Steel, Add	*4.36*	
		For 316 Stainless Steel, Add	*4.90*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0591	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	13.82	7.08
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.74*	
		For >1,000, Deduct	*-2.33*	
		For 304 Stainless Steel, Add	*12.48*	
		For 316 Stainless Steel, Add	*14.02*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.72*	
05 12 23 00-0592	LF	2" x 2" x 1/4" Structural Bar Tee	18.87	9.26
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.12*	
		For 304 Stainless Steel, Add	*18.61*	
		For 316 Stainless Steel, Add	*20.90*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0593	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	26.62	11.16
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.08*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-4.15*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
05 12 23 00-0594	LF	3" x 3" x 3/8" Structural Bar Tee	33.14	14.30
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.61*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000, Deduct	*-5.22*	
		For 304 Stainless Steel, Add	*40.10*	
		For 316 Stainless Steel, Add	*45.02*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.72*	

05 12 23 00-0595 Structural Zees *(05 12 23 00-0392)*

05 12 23 00-0596	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	15.98	7.08
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*18.64*	
		For 316 Stainless Steel, Add	*20.93*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0597	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	26.89	8.44
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.81*	
		For 304 Stainless Steel, Add	*44.57*	
		For 316 Stainless Steel, Add	*50.05*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	31.84	9.53
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.23*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.45*	
		For 304 Stainless Steel, Add	*54.55*	
		For 316 Stainless Steel, Add	*61.25*	
		For Aluminum, Add	*3.45*	
		For Galvanized Steel, Add	*11.87*	
05 12 23 00-0599	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	41.61	10.89
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.81*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000, Deduct	*-5.61*	
		For 304 Stainless Steel, Add	*77.18*	
		For 316 Stainless Steel, Add	*86.66*	
		For Aluminum, Add	*4.87*	
		For Galvanized Steel, Add	*16.79*	
05 12 23 00-0600	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	52.45	11.85
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.41*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000, Deduct	*-6.83*	
		For 304 Stainless Steel, Add	*104.45*	
		For 316 Stainless Steel, Add	*117.28*	
		For Aluminum, Add	*6.60*	
		For Galvanized Steel, Add	*22.72*	

05 12 23 00-0601 Junior I-Beams *(05 12 23 00-0392)*

05 12 23 00-0602	LF	3" Junior I-Beam, 2.9 Lb./LF	22.24	10.22
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.79*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000, Deduct	*-3.59*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
05 12 23 00-0603	LF	4" Junior I-Beam, 3.2 Lb./LF	24.41	11.16
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.97*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-3.93*	
		For 304 Stainless Steel, Add	*27.10*	
		For 316 Stainless Steel, Add	*30.43*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.90*	
05 12 23 00-0604	LF	5" Junior I-Beam, 3.8 Lb./LF	27.63	12.25
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-4.40*	
		For 304 Stainless Steel, Add	*32.18*	
		For 316 Stainless Steel, Add	*36.13*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*7.00*	
05 12 23 00-0605	LF	6" Junior I-Beam, 4.4 Lb./LF	30.87	13.35
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.43*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000, Deduct	*-4.87*	
		For 304 Stainless Steel, Add	*37.25*	
		For 316 Stainless Steel, Add	*41.82*	
		For Aluminum, Add	*2.35*	
		For Galvanized Steel, Add	*8.10*	
05 12 23 00-0606	LF	7" Junior I-Beam, 5.5 Lb./LF	35.41	14.29
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-5.45*	
		For 304 Stainless Steel, Add	*46.57*	
		For 316 Stainless Steel, Add	*52.29*	
		For Aluminum, Add	*2.94*	
		For Galvanized Steel, Add	*10.13*	
05 12 23 00-0607	LF	8" Junior I-Beam, 6.5 Lb./LF	39.65	15.25
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.00*	
		For 304 Stainless Steel, Add	*55.03*	
		For 316 Stainless Steel, Add	*61.79*	
		For Aluminum, Add	*3.48*	
		For Galvanized Steel, Add	*11.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0608	LF	10" Junior I-Beam, 9 Lb./LF	49.98	17.44
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000, Deduct	*-7.32*	
		For 304 Stainless Steel, Add	*76.21*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
05 12 23 00-0609	LF	12" Junior I-Beam, 11.8 Lb./LF	62.66	20.70
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-4.51*	
		For >500 To 1,000, Deduct	*-6.77*	
		For >1,000, Deduct	*-9.03*	
		For 304 Stainless Steel, Add	*99.92*	
		For 316 Stainless Steel, Add	*112.19*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	

05 12 23 00-0610 Round Stock *(05 12 23 00-0392)*

05 12 23 00-0611	LF	1/4" Carbon Steel Rounds, ASTM A108	2.98	
		For 304 Stainless Steel, Add	*3.33*	
		For 316 Stainless Steel, Add	*3.74*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.73*	
05 12 23 00-0612	LF	3/8" Carbon Steel Rounds, ASTM A108	4.37	
		For 304 Stainless Steel, Add	*6.58*	
		For 316 Stainless Steel, Add	*7.39*	
		For Aluminum, Add	*0.42*	
		For Galvanized Steel, Add	*1.43*	
05 12 23 00-0613	LF	1/2" Carbon Steel Rounds, ASTM A108	5.78	
		For 304 Stainless Steel, Add	*10.00*	
		For 316 Stainless Steel, Add	*11.23*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.18*	
05 12 23 00-0614	LF	5/8" Carbon Steel Rounds, ASTM A108	8.39	
		For 304 Stainless Steel, Add	*16.70*	
		For 316 Stainless Steel, Add	*18.75*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.63*	
05 12 23 00-0615	LF	3/4" Carbon Steel Rounds, ASTM A108	9.99	
		For 304 Stainless Steel, Add	*19.84*	
		For 316 Stainless Steel, Add	*22.27*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	
05 12 23 00-0616	LF	7/8" Carbon Steel Rounds, ASTM A108	11.62	
		For 304 Stainless Steel, Add	*23.17*	
		For 316 Stainless Steel, Add	*26.02*	
		For Aluminum, Add	*1.46*	
		For Galvanized Steel, Add	*5.04*	
05 12 23 00-0617	LF	1" Carbon Steel Rounds, ASTM A108	16.52	
		For 304 Stainless Steel, Add	*35.31*	
		For 316 Stainless Steel, Add	*39.65*	
		For Aluminum, Add	*2.23*	
		For Galvanized Steel, Add	*7.68*	
05 12 23 00-0618	LF	1-1/8" Carbon Steel Rounds, ASTM A108	20.09	
		For 304 Stainless Steel, Add	*42.89*	
		For 316 Stainless Steel, Add	*48.16*	
		For Aluminum, Add	*2.71*	
		For Galvanized Steel, Add	*9.33*	
05 12 23 00-0619	LF	1-1/4" Carbon Steel Rounds, ASTM A108	24.19	
		For 304 Stainless Steel, Add	*50.47*	
		For 316 Stainless Steel, Add	*56.67*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.98*	
05 12 23 00-0620	LF	1-3/8" Carbon Steel Rounds, ASTM A108	29.18	
		For 304 Stainless Steel, Add	*61.59*	
		For 316 Stainless Steel, Add	*69.15*	
		For Aluminum, Add	*3.89*	
		For Galvanized Steel, Add	*13.40*	
05 12 23 00-0621	LF	1-1/2" Carbon Steel Rounds, ASTM A108	32.79	
		For 304 Stainless Steel, Add	*67.57*	
		For 316 Stainless Steel, Add	*75.87*	
		For Aluminum, Add	*4.27*	
		For Galvanized Steel, Add	*14.70*	
05 12 23 00-0622	LF	1-5/8" Carbon Steel Rounds, ASTM A108	38.22	
		For 304 Stainless Steel, Add	*76.58*	
		For 316 Stainless Steel, Add	*85.98*	
		For Aluminum, Add	*4.84*	
		For Galvanized Steel, Add	*16.66*	
05 12 23 00-0623	LF	1-3/4" Carbon Steel Rounds, ASTM A108	46.40	
		For 304 Stainless Steel, Add	*89.12*	
		For 316 Stainless Steel, Add	*100.06*	
		For Aluminum, Add	*5.63*	
		For Galvanized Steel, Add	*19.39*	
05 12 23 00-0624	LF	1-7/8" Carbon Steel Rounds, ASTM A108	56.60	
		For 304 Stainless Steel, Add	*104.40*	
		For 316 Stainless Steel, Add	*117.22*	
		For Aluminum, Add	*6.59*	
		For Galvanized Steel, Add	*22.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0625	LF	2" Carbon Steel Rounds, ASTM A108	65.12	
		For 304 Stainless Steel, Add	*116.11*	
		For 316 Stainless Steel, Add	*130.37*	
		For Aluminum, Add	*7.33*	
		For Galvanized Steel, Add	*25.26*	
05 12 23 00-0626	LF	2-1/8" Carbon Steel Rounds, ASTM A108	76.80	
		For 304 Stainless Steel, Add	*132.61*	
		For 316 Stainless Steel, Add	*148.90*	
		For Aluminum, Add	*8.38*	
		For Galvanized Steel, Add	*28.85*	
05 12 23 00-0627	LF	2-1/4" Carbon Steel Rounds, ASTM A108	87.12	
		For 304 Stainless Steel, Add	*149.08*	
		For 316 Stainless Steel, Add	*167.39*	
		For Aluminum, Add	*9.42*	
		For Galvanized Steel, Add	*32.43*	
05 12 23 00-0628	LF	2-3/8" Carbon Steel Rounds, ASTM A108	99.87	
		For 304 Stainless Steel, Add	*170.54*	
		For 316 Stainless Steel, Add	*191.49*	
		For Aluminum, Add	*10.77*	
		For Galvanized Steel, Add	*37.10*	
05 12 23 00-0629	LF	2-1/2" Carbon Steel Rounds, ASTM A108	111.50	
		For 304 Stainless Steel, Add	*183.80*	
		For 316 Stainless Steel, Add	*206.37*	
		For Aluminum, Add	*11.61*	
		For Galvanized Steel, Add	*39.98*	
05 12 23 00-0630	LF	2-5/8" Carbon Steel Rounds, ASTM A108	134.14	
		For 304 Stainless Steel, Add	*233.44*	
		For 316 Stainless Steel, Add	*262.11*	
		For Aluminum, Add	*14.74*	
		For Galvanized Steel, Add	*50.78*	
05 12 23 00-0631	LF	2-3/4" Carbon Steel Rounds, ASTM A108	152.61	
		For 304 Stainless Steel, Add	*266.22*	
		For 316 Stainless Steel, Add	*298.91*	
		For Aluminum, Add	*16.81*	
		For Galvanized Steel, Add	*57.91*	
05 12 23 00-0632	LF	2-7/8 Carbon Steel Rounds, ASTM A108	170.25	
		For 304 Stainless Steel, Add	*296.66*	
		For 316 Stainless Steel, Add	*333.09*	
		For Aluminum, Add	*18.74*	
		For Galvanized Steel, Add	*64.54*	
05 12 23 00-0633	LF	3" Carbon Steel Rounds, ASTM A108	180.34	
		For 304 Stainless Steel, Add	*305.58*	
		For 316 Stainless Steel, Add	*343.10*	
		For Aluminum, Add	*19.30*	
		For Galvanized Steel, Add	*66.48*	
05 12 23 00-0634	LF	3-1/8" Carbon Steel Rounds, ASTM A108	189.68	
		For 304 Stainless Steel, Add	*312.33*	
		For 316 Stainless Steel, Add	*350.69*	
		For Aluminum, Add	*19.73*	
		For Galvanized Steel, Add	*67.95*	
05 12 23 00-0635	LF	3-1/4" Carbon Steel Rounds, ASTM A108	201.11	
		For 304 Stainless Steel, Add	*325.07*	
		For 316 Stainless Steel, Add	*364.99*	
		For Aluminum, Add	*20.53*	
		For Galvanized Steel, Add	*70.72*	
05 12 23 00-0636	LF	3-1/2" Carbon Steel Rounds, ASTM A108	240.49	
		For 304 Stainless Steel, Add	*412.48*	
		For 316 Stainless Steel, Add	*463.14*	
		For Aluminum, Add	*26.05*	
		For Galvanized Steel, Add	*89.73*	
05 12 23 00-0637	LF	3-5/8" Carbon Steel Rounds, ASTM A108	266.37	
		For 304 Stainless Steel, Add	*461.44*	
		For 316 Stainless Steel, Add	*518.11*	
		For Aluminum, Add	*29.14*	
		For Galvanized Steel, Add	*100.38*	
05 12 23 00-0638	LF	3-3/4" Carbon Steel Rounds, ASTM A108	286.35	
		For 304 Stainless Steel, Add	*493.59*	
		For 316 Stainless Steel, Add	*554.21*	
		For Aluminum, Add	*31.17*	
		For Galvanized Steel, Add	*107.38*	
05 12 23 00-0639	LF	4" Carbon Steel Rounds, ASTM A108	319.05	
		For 304 Stainless Steel, Add	*561.96*	
		For 316 Stainless Steel, Add	*630.98*	
		For Aluminum, Add	*35.49*	
		For Galvanized Steel, Add	*122.25*	

05 12 23 00-0640 Square Stock *(05 12 23 00-0392)*

05 12 23 00-0641	LF	3/8" Square Bar Stock	2.72	
		For 304 Stainless Steel, Add	*1.88*	
		For 316 Stainless Steel, Add	*2.11*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.41*	
05 12 23 00-0642	LF	1/2" Square Bar Stock	3.44	
		For 304 Stainless Steel, Add	*3.33*	
		For 316 Stainless Steel, Add	*3.74*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0643	LF	5/8" Square Bar Stock	4.36	
		For 304 Stainless Steel, Add	*5.22*	
		For 316 Stainless Steel, Add	*5.86*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.13*	
05 12 23 00-0644	LF	3/4" Square Bar Stock	5.66	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
05 12 23 00-0645	LF	7/8" Square Bar Stock	7.16	
		For 304 Stainless Steel, Add	*10.46*	
		For 316 Stainless Steel, Add	*11.74*	
		For Aluminum, Add	*0.66*	
		For Galvanized Steel, Add	*2.28*	
05 12 23 00-0646	LF	1" Square Bar Stock	8.82	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.01*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.91*	
05 12 23 00-0647	LF	1-1/4" Square Bar Stock	13.80	
		For 304 Stainless Steel, Add	*20.86*	
		For 316 Stainless Steel, Add	*23.42*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.54*	
05 12 23 00-0648	LF	1-1/2" Square Bar Stock	19.63	
		For 304 Stainless Steel, Add	*30.07*	
		For 316 Stainless Steel, Add	*33.76*	
		For Aluminum, Add	*1.90*	
		For Galvanized Steel, Add	*6.54*	
05 12 23 00-0649	LF	1-3/4" Square Bar Stock	29.79	
		For 304 Stainless Steel, Add	*41.78*	
		For 316 Stainless Steel, Add	*46.91*	
		For Aluminum, Add	*2.64*	
		For Galvanized Steel, Add	*9.09*	
05 12 23 00-0650	LF	2" Square Bar Stock	44.18	
		For 304 Stainless Steel, Add	*53.47*	
		For 316 Stainless Steel, Add	*60.03*	
		For Aluminum, Add	*3.38*	
		For Galvanized Steel, Add	*11.63*	

05 12 23 00-0651 Steel Tubing *(05 12 23 00-0392)*
Note: General purpose low-carbon steel.

05 12 23 00-0652 Square Steel Tubing *(05 12 23 00-0651)*

05 12 23 00-0653 0.06" Wall Thickness *(05 12 23 00-0652)*

05 12 23 00-0654	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	3.03	0.98
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.43*	
		For 304 Stainless Steel, Add	*4.90*	
		For 316 Stainless Steel, Add	*5.50*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	
05 12 23 00-0655	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	4.67	1.54
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.67*	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
05 12 23 00-0656	LF	1" x 1" x 0.06" Square Steel Tubing	6.30	2.79
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.91*	
		For 304 Stainless Steel, Add	*10.00*	
		For 316 Stainless Steel, Add	*11.23*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.18*	
05 12 23 00-0657	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	8.26	2.65
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.18*	
		For 304 Stainless Steel, Add	*13.48*	
		For 316 Stainless Steel, Add	*15.14*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0658	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	9.82	3.20
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.41*	
		For 304 Stainless Steel, Add	*15.82*	
		For 316 Stainless Steel, Add	*17.76*	
		For Aluminum, Add	*1.00*	
		For Galvanized Steel, Add	*3.44*	
05 12 23 00-0659		0.083" Wall Thickness *(05 12 23 00-0652)*		
05 12 23 00-0660	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	5.45	1.80
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.79*	
		For 304 Stainless Steel, Add	*8.69*	
		For 316 Stainless Steel, Add	*9.76*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.89*	
05 12 23 00-0661	LF	1" x 1" x 0.083" Square Steel Tubing	7.85	2.47
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000, Deduct	*-1.11*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*14.59*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
05 12 23 00-0662	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	9.57	3.14
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.38*	
		For 304 Stainless Steel, Add	*15.33*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
05 12 23 00-0663	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	11.57	3.82
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*18.50*	
		For 316 Stainless Steel, Add	*20.77*	
		For Aluminum, Add	*1.17*	
		For Galvanized Steel, Add	*4.02*	
05 12 23 00-0664	LF	2" x 2" x 0.083" Square Steel Tubing	14.95	5.08
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.17*	
		For 304 Stainless Steel, Add	*23.28*	
		For 316 Stainless Steel, Add	*26.14*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.07*	
05 12 23 00-0665		0.12" Wall Thickness *(05 12 23 00-0652)*		
05 12 23 00-0666	LF	1" x 1" x 0.12" Square Steel Tubing	8.78	2.94
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*13.85*	
		For 316 Stainless Steel, Add	*15.55*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*3.01*	
05 12 23 00-0667	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	11.29	3.77
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.63*	
		For 304 Stainless Steel, Add	*17.87*	
		For 316 Stainless Steel, Add	*20.06*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.89*	
05 12 23 00-0668	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	13.85	4.60
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.00*	
		For 304 Stainless Steel, Add	*21.97*	
		For 316 Stainless Steel, Add	*24.67*	
		For Aluminum, Add	*1.39*	
		For Galvanized Steel, Add	*4.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0669	LF	2" x 2" x 0.12" Square Steel Tubing	18.78	6.27
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.36*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.72*	
		For 304 Stainless Steel, Add	*29.67*	
		For 316 Stainless Steel, Add	*33.31*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.45*	

05 12 23 00-0670 1/8" Wall Thickness *(05 12 23 00-0652)*

05 12 23 00-0671	LF	2" x 2" x 1/8" Square Steel Tubing	17.36	6.52
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.61*	
		For 304 Stainless Steel, Add	*24.71*	
		For 316 Stainless Steel, Add	*27.74*	
		For Aluminum, Add	*1.56*	
		For Galvanized Steel, Add	*5.38*	
05 12 23 00-0672	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	22.71	8.25
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-3.37*	
		For 304 Stainless Steel, Add	*33.37*	
		For 316 Stainless Steel, Add	*37.47*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.26*	
05 12 23 00-0673	LF	3" x 3" x 1/8" Square Steel Tubing	26.80	10.00
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.01*	
		For 304 Stainless Steel, Add	*38.39*	
		For 316 Stainless Steel, Add	*43.10*	
		For Aluminum, Add	*2.42*	
		For Galvanized Steel, Add	*8.35*	
05 12 23 00-0674	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	31.13	11.73
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-3.51*	
		For >1,000, Deduct	*-4.68*	
		For 304 Stainless Steel, Add	*44.15*	
		For 316 Stainless Steel, Add	*49.57*	
		For Aluminum, Add	*2.79*	
		For Galvanized Steel, Add	*9.60*	
05 12 23 00-0675	LF	4" x 4" x 1/8" Square Steel Tubing	34.59	13.47
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.94*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*47.40*	
		For 316 Stainless Steel, Add	*53.22*	
		For Aluminum, Add	*2.99*	
		For Galvanized Steel, Add	*10.31*	

05 12 23 00-0676 3/16" Wall Thickness *(05 12 23 00-0652)*

05 12 23 00-0677	LF	2" x 2" x 3/16" Square Steel Tubing	19.68	7.36
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.95*	
		For 304 Stainless Steel, Add	*28.13*	
		For 316 Stainless Steel, Add	*31.58*	
		For Aluminum, Add	*1.78*	
		For Galvanized Steel, Add	*6.12*	
05 12 23 00-0678	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	25.45	9.51
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.81*	
		For 304 Stainless Steel, Add	*36.39*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
05 12 23 00-0679	LF	3" x 3" x 3/16" Square Steel Tubing	31.28	11.70
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-4.69*	
		For 304 Stainless Steel, Add	*44.72*	
		For 316 Stainless Steel, Add	*50.21*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0680	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	37.12	13.87
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.78*	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000, Deduct	*-5.56*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0681	LF	4" x 4" x 3/16" Square Steel Tubing	42.90	16.04
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0682	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	48.73	18.21
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-3.65*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.30*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0683	LF	5" x 5" x 3/16" Square Steel Tubing	54.52	20.38
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.08*	
		For >500 To 1,000, Deduct	*-6.13*	
		For >1,000, Deduct	*-8.17*	
		For 304 Stainless Steel, Add	*77.95*	
		For 316 Stainless Steel, Add	*87.52*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.96*	
05 12 23 00-0684	LF	6" x 6" x 3/16" Square Steel Tubing	66.17	24.73
		For >100 To 250, Deduct	*-3.30*	
		For >250 To 500, Deduct	*-4.96*	
		For >500 To 1,000, Deduct	*-7.44*	
		For >1,000, Deduct	*-9.92*	
		For 304 Stainless Steel, Add	*94.59*	
		For 316 Stainless Steel, Add	*106.21*	
		For Aluminum, Add	*5.97*	
		For Galvanized Steel, Add	*20.58*	

05 12 23 00-0685 1/4" Wall Thickness *(05 12 23 00-0652)*

05 12 23 00-0686	LF	2" x 2" x 1/4" Square Steel Tubing	20.74	7.37
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.06*	
		For 304 Stainless Steel, Add	*31.09*	
		For 316 Stainless Steel, Add	*34.91*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.76*	
05 12 23 00-0687	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	27.26	9.68
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*40.87*	
		For 316 Stainless Steel, Add	*45.89*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.89*	
05 12 23 00-0688	LF	3" x 3" x 1/4" Square Steel Tubing	33.76	12.00
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.49*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-4.98*	
		For 304 Stainless Steel, Add	*50.62*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0689	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	40.28	14.32
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-5.94*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0690	LF	4" x 4" x 1/4" Square Steel Tubing	46.79	16.63
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.45*	
		For >500 To 1,000, Deduct	*-5.17*	
		For >1,000, Deduct	*-6.90*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0691	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	53.31	18.95
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-3.93*	
		For >500 To 1,000, Deduct	*-5.89*	
		For >1,000, Deduct	*-7.86*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0692	LF	5" x 5" x 1/4" Square Steel Tubing	59.86	21.27
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-8.82*	
		For 304 Stainless Steel, Add	*89.75*	
		For 316 Stainless Steel, Add	*100.77*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.52*	
05 12 23 00-0693	LF	6" x 6" x 1/4" Square Steel Tubing	72.89	25.90
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.37*	
		For >500 To 1,000, Deduct	*-8.06*	
		For >1,000, Deduct	*-10.74*	
		For 304 Stainless Steel, Add	*109.30*	
		For 316 Stainless Steel, Add	*122.72*	
		For Aluminum, Add	*6.90*	
		For Galvanized Steel, Add	*23.78*	

05 12 23 00-0694 Rectangular Steel Tubing *(05 12 23 00-0651)*

05 12 23 00-0695 3/16" Wall Thickness *(05 12 23 00-0694)*

05 12 23 00-0696	LF	3" x 2" x 3/16" Square Steel Tubing	25.45	9.51
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.81*	
		For 304 Stainless Steel, Add	*36.39*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
05 12 23 00-0697	LF	4" x 2" x 3/16" Square Steel Tubing	31.28	11.70
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-4.69*	
		For 304 Stainless Steel, Add	*44.72*	
		For 316 Stainless Steel, Add	*50.21*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.73*	
05 12 23 00-0698	LF	4" x 3" x 3/16" Square Steel Tubing	37.12	13.87
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.78*	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000, Deduct	*-5.56*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0699	LF	5" x 2" x 3/16" Square Steel Tubing	37.12	13.87
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.78*	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000, Deduct	*-5.56*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0700	LF	5" x 3" x 3/16" Square Steel Tubing	42.90	16.04
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0701	LF	5" x 4" x 3/16" Square Steel Tubing	48.73	18.21
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-3.65*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.30*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0702	LF	6" x 2" x 3/16" Square Steel Tubing	42.90	16.04
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0703	LF	6" x 3" x 3/16" Square Steel Tubing	48.73	18.21
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-3.65*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.30*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0704	LF	6" x 4" x 3/16" Square Steel Tubing	54.52	20.38
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.08*	
		For >500 To 1,000, Deduct	*-6.13*	
		For >1,000, Deduct	*-8.17*	
		For 304 Stainless Steel, Add	*77.95*	
		For 316 Stainless Steel, Add	*87.52*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.96*	

05 12 23 00-0705 1/4" Wall Thickness *(05 12 23 00-0694)*

05 12 23 00-0706	LF	3" x 2" x 1/4" Square Steel Tubing	27.26	9.68
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*40.87*	
		For 316 Stainless Steel, Add	*45.89*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.89*	
05 12 23 00-0707	LF	4" x 2" x 1/4" Square Steel Tubing	33.76	12.00
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.49*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-4.98*	
		For 304 Stainless Steel, Add	*50.62*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0708	LF	4" x 3" x 1/4" Square Steel Tubing	40.28	14.32
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-5.94*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0709	LF	5" x 2" x 1/4" Square Steel Tubing	40.28	14.32
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-5.94*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0710	LF	5" x 3" x 1/4" Square Steel Tubing	46.79	16.63
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.45*	
		For >500 To 1,000, Deduct	*-5.17*	
		For >1,000, Deduct	*-6.90*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0711	LF	5" x 4" x 1/4" Square Steel Tubing	53.31	18.95
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-3.93*	
		For >500 To 1,000, Deduct	*-5.89*	
		For >1,000, Deduct	*-7.86*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0712	LF	6" x 2" x 1/4" Square Steel Tubing	46.79	16.63
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.45*	
		For >500 To 1,000, Deduct	*-5.17*	
		For >1,000, Deduct	*-6.90*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0713	LF	6" x 3" x 1/4" Square Steel Tubing	53.31	18.95
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-3.93*	
		For >500 To 1,000, Deduct	*-5.89*	
		For >1,000, Deduct	*-7.86*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0714	LF	6" x 4" x 1/4" Square Steel Tubing	59.86	21.27
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-8.82*	
		For 304 Stainless Steel, Add	*89.75*	
		For 316 Stainless Steel, Add	*100.77*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.52*	

05 12 23 00-0715 Round Steel Tubing *(05 12 23 00-0651)*

05 12 23 00-0716 0.065" Wall Thickness *(05 12 23 00-0715)*

05 12 23 00-0717	LF	1" Diameter x 0.065" Round Steel Tubing	5.43	1.77
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000, Deduct	*-0.78*	
		For 304 Stainless Steel, Add	*8.75*	
		For 316 Stainless Steel, Add	*9.82*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.90*	
05 12 23 00-0718	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	6.88	2.24
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*11.09*	
		For 316 Stainless Steel, Add	*12.45*	
		For Aluminum, Add	*0.70*	
		For Galvanized Steel, Add	*2.41*	
05 12 23 00-0719	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	8.31	2.71
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.19*	
		For 304 Stainless Steel, Add	*13.40*	
		For 316 Stainless Steel, Add	*15.04*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.91*	
05 12 23 00-0720	LF	2" Diameter x 0.065" Round Steel Tubing	11.22	3.65
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*18.07*	
		For 316 Stainless Steel, Add	*20.29*	
		For Aluminum, Add	*1.14*	
		For Galvanized Steel, Add	*3.93*	
05 12 23 00-0721	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	14.12	4.60
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.03*	
		For 304 Stainless Steel, Add	*22.74*	
		For 316 Stainless Steel, Add	*25.54*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0722	LF	3" Diameter x 0.065" Round Steel Tubing	17.02	5.55
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-1.83*	
		For >1,000, Deduct	*-2.44*	
		For 304 Stainless Steel, Add	*27.42*	
		For 316 Stainless Steel, Add	*30.78*	
		For Aluminum, Add	*1.73*	
		For Galvanized Steel, Add	*5.96*	
05 12 23 00-0723	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	19.92	6.49
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-2.86*	
		For 304 Stainless Steel, Add	*32.09*	
		For 316 Stainless Steel, Add	*36.03*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*6.98*	
05 12 23 00-0724	LF	4" Diameter x 0.065" Round Steel Tubing	22.83	7.44
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.28*	
		For 304 Stainless Steel, Add	*36.77*	
		For 316 Stainless Steel, Add	*41.28*	
		For Aluminum, Add	*2.32*	
		For Galvanized Steel, Add	*8.00*	

05 12 23 00-0725 0.083" Wall Thickness *(05 12 23 00-0715)*

05 12 23 00-0726	LF	1" Diameter x 0.083" Round Steel Tubing	5.91	1.93
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000, Deduct	*-0.85*	
		For 304 Stainless Steel, Add	*9.46*	
		For 316 Stainless Steel, Add	*10.62*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.06*	
05 12 23 00-0727	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	7.51	2.47
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.08*	
		For 304 Stainless Steel, Add	*12.03*	
		For 316 Stainless Steel, Add	*13.50*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.62*	
05 12 23 00-0728	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	9.11	2.99
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.31*	
		For 304 Stainless Steel, Add	*14.59*	
		For 316 Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
05 12 23 00-0729	LF	2" Diameter x 0.083" Round Steel Tubing	12.33	4.05
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.18*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.30*	
05 12 23 00-0730	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	15.55	5.10
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.24*	
		For 304 Stainless Steel, Add	*24.91*	
		For 316 Stainless Steel, Add	*27.97*	
		For Aluminum, Add	*1.57*	
		For Galvanized Steel, Add	*5.42*	
05 12 23 00-0731	LF	3" Diameter x 0.083" Round Steel Tubing	18.76	6.16
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.70*	
		For 304 Stainless Steel, Add	*30.07*	
		For 316 Stainless Steel, Add	*33.76*	
		For Aluminum, Add	*1.90*	
		For Galvanized Steel, Add	*6.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0732	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	21.98	7.22
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.16*	
		For 304 Stainless Steel, Add	*35.23*	
		For 316 Stainless Steel, Add	*39.55*	
		For Aluminum, Add	*2.22*	
		For Galvanized Steel, Add	*7.66*	
05 12 23 00-0733	LF	4" Diameter x 0.083" Round Steel Tubing	25.19	8.27
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.62*	
		For 304 Stainless Steel, Add	*40.36*	
		For 316 Stainless Steel, Add	*45.31*	
		For Aluminum, Add	*2.55*	
		For Galvanized Steel, Add	*8.78*	

05 12 23 00-0734 0.125" Wall Thickness *(05 12 23 00-0715)*

05 12 23 00-0735	LF	2" Diameter x 0.125" Round Steel Tubing	13.62	5.11
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000, Deduct	*-2.04*	
		For 304 Stainless Steel, Add	*19.38*	
		For 316 Stainless Steel, Add	*21.76*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.22*	
05 12 23 00-0736	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	17.26	6.48
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.59*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
05 12 23 00-0737	LF	3" Diameter x 0.125" Round Steel Tubing	20.88	7.84
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.57*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.13*	
		For 304 Stainless Steel, Add	*29.73*	
		For 316 Stainless Steel, Add	*33.38*	
		For Aluminum, Add	*1.88*	
		For Galvanized Steel, Add	*6.47*	
05 12 23 00-0738	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	24.52	9.20
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.84*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-3.68*	
		For 304 Stainless Steel, Add	*34.91*	
		For 316 Stainless Steel, Add	*39.20*	
		For Aluminum, Add	*2.21*	
		For Galvanized Steel, Add	*7.60*	
05 12 23 00-0739	LF	4" Diameter x 0.125" Round Steel Tubing	28.15	10.57
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.22*	
		For 304 Stainless Steel, Add	*40.07*	
		For 316 Stainless Steel, Add	*44.99*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.72*	

05 12 23 00-0740 Flat Steel Bar *(05 12 23 00-0392)*

05 12 23 00-0741 1/8" Thick *(05 12 23 00-0740)*

05 12 23 00-0742	LF	1/8" Thick x 1" Wide Flat Steel Bar	4.84	2.55
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
05 12 23 00-0743	LF	1/8" Thick x 2" Wide Flat Steel Bar	7.42	3.82
		For 304 Stainless Steel, Add	*4.85*	
		For 316 Stainless Steel, Add	*5.44*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.05*	
05 12 23 00-0744	LF	1/8" Thick x 4" Wide Flat Steel Bar	11.15	5.38
		For 304 Stainless Steel, Add	*8.81*	
		For 316 Stainless Steel, Add	*9.89*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0745	LF	1/8" Thick x 6" Wide Flat Steel Bar	15.12	7.30
		For 304 Stainless Steel, Add	*11.88*	
		For 316 Stainless Steel, Add	*13.34*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0746		**3/16" Thick** *(05 12 23 00-0740)*		
05 12 23 00-0747	LF	3/16" Thick x 1" Wide Flat Steel Bar	6.29	3.16
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
05 12 23 00-0748	LF	3/16" Thick x 2" Wide Flat Steel Bar	9.80	4.74
		For 304 Stainless Steel, Add	*7.64*	
		For 316 Stainless Steel, Add	*8.58*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.66*	
05 12 23 00-0749	LF	3/16" Thick x 4" Wide Flat Steel Bar	12.69	5.45
		For 304 Stainless Steel, Add	*12.88*	
		For 316 Stainless Steel, Add	*14.46*	
		For Aluminum, Add	*0.81*	
		For Galvanized Steel, Add	*2.80*	
05 12 23 00-0750	LF	3/16" Thick x 6" Wide Flat Steel Bar	17.59	7.55
		For 304 Stainless Steel, Add	*17.81*	
		For 316 Stainless Steel, Add	*20.00*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.88*	
05 12 23 00-0751		**1/4" Thick** *(05 12 23 00-0740)*		
05 12 23 00-0752	LF	1/4" Thick x 1" Wide Flat Steel Bar	6.54	3.34
		For 304 Stainless Steel, Add	*4.36*	
		For 316 Stainless Steel, Add	*4.90*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0753	LF	1/4" Thick x 2" Wide Flat Steel Bar	10.62	5.01
		For 304 Stainless Steel, Add	*8.84*	
		For 316 Stainless Steel, Add	*9.92*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0754	LF	1/4" Thick x 4" Wide Flat Steel Bar	14.60	5.72
		For 304 Stainless Steel, Add	*17.13*	
		For 316 Stainless Steel, Add	*19.23*	
		For Aluminum, Add	*1.08*	
		For Galvanized Steel, Add	*3.73*	
05 12 23 00-0755	LF	1/4" Thick x 6" Wide Flat Steel Bar	21.22	8.47
		For 304 Stainless Steel, Add	*24.25*	
		For 316 Stainless Steel, Add	*27.23*	
		For Aluminum, Add	*1.53*	
		For Galvanized Steel, Add	*5.28*	
05 12 23 00-0756		**3/8" Thick** *(05 12 23 00-0740)*		
05 12 23 00-0757	LF	3/8" Thick x 1" Wide Flat Steel Bar	8.06	3.75
		For 304 Stainless Steel, Add	*6.87*	
		For 316 Stainless Steel, Add	*7.71*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.49*	
05 12 23 00-0758	LF	3/8" Thick x 2" Wide Flat Steel Bar	12.91	5.63
		For 304 Stainless Steel, Add	*12.65*	
		For 316 Stainless Steel, Add	*14.21*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.75*	
05 12 23 00-0759	LF	3/8" Thick x 4" Wide Flat Steel Bar	18.55	6.43
		For 304 Stainless Steel, Add	*25.34*	
		For 316 Stainless Steel, Add	*28.45*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.51*	
05 12 23 00-0760	LF	3/8" Thick x 6" Wide Flat Steel Bar	26.81	9.51
		For 304 Stainless Steel, Add	*35.63*	
		For 316 Stainless Steel, Add	*40.00*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.75*	
05 12 23 00-0761		**1/2" Thick** *(05 12 23 00-0740)*		
05 12 23 00-0762	LF	1/2" Thick x 1" Wide Flat Steel Bar	9.30	4.12
		For 304 Stainless Steel, Add	*8.81*	
		For 316 Stainless Steel, Add	*9.89*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0763	LF	1/2" Thick x 2" Wide Flat Steel Bar	14.98	6.21
		For 304 Stainless Steel, Add	*16.16*	
		For 316 Stainless Steel, Add	*18.14*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.52*	
05 12 23 00-0764	LF	1/2" Thick x 4" Wide Flat Steel Bar	20.28	7.07
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0765	LF	1/2" Thick x 6" Wide Flat Steel Bar	34.99	10.48
		For 304 Stainless Steel, Add	*54.92*	
		For 316 Stainless Steel, Add	*61.66*	
		For Aluminum, Add	*3.47*	
		For Galvanized Steel, Add	*11.95*	
05 12 23 00-0766		Flat Steel Plate *(05 12 23 00-0392)*		
05 12 23 00-0767	SF	1/8" Thick Flat Steel Plate	23.70	10.95
		For 304 Stainless Steel, Add	*20.72*	
		For 316 Stainless Steel, Add	*23.26*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.51*	
05 12 23 00-0768	SF	3/16" Thick Flat Steel Plate	26.11	11.34
		For 304 Stainless Steel, Add	*25.94*	
		For 316 Stainless Steel, Add	*29.12*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.64*	
05 12 23 00-0769	SF	1/4" Thick Flat Steel Plate	30.67	12.69
		For 304 Stainless Steel, Add	*33.06*	
		For 316 Stainless Steel, Add	*37.12*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.19*	
05 12 23 00-0770	SF	3/8" Thick Flat Steel Plate	39.65	14.29
		For 304 Stainless Steel, Add	*51.90*	
		For 316 Stainless Steel, Add	*58.27*	
		For Aluminum, Add	*3.28*	
		For Galvanized Steel, Add	*11.29*	
05 12 23 00-0771	SF	1/2" Thick Flat Steel Plate	46.27	15.70
		For 304 Stainless Steel, Add	*64.64*	
		For 316 Stainless Steel, Add	*72.58*	
		For Aluminum, Add	*4.08*	
		For Galvanized Steel, Add	*14.06*	
05 12 23 00-0772	SF	3/4" Thick Flat Steel Plate	72.03	19.46
		For 304 Stainless Steel, Add	*121.24*	
		For 316 Stainless Steel, Add	*136.13*	
		For Aluminum, Add	*7.66*	
		For Galvanized Steel, Add	*26.37*	
05 12 23 00-0773	SF	1" Thick Flat Steel Plate	95.09	24.32
		For 304 Stainless Steel, Add	*165.98*	
		For 316 Stainless Steel, Add	*186.37*	
		For Aluminum, Add	*10.48*	
		For Galvanized Steel, Add	*36.11*	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	10.17	1.28
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	9.00	1.19

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	17.94	5.31
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	18.85	5.31

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	16.53	3.69
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	16.95	6.05
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	19.94	6.60
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	22.99	7.70
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	26.67	8.26
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	67.60	10.48
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	55.96	9.37

05 20 Metal Joists *(05)*

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,182.17	286.34
		For Welded Cross Bridging, Add	*357.92*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*238.69*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,907.52	268.44
		For Welded Cross Bridging, Add	*318.15*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*221.64*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,442.11	268.44
		For Welded Cross Bridging, Add	*330.39*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*280.90*	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,858.25	268.44
		For Welded Cross Bridging, Add	*330.39*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*330.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,481.87	268.44
		For Welded Cross Bridging, Add	*357.92*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*274.65*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	4,222.38	268.44
		For Welded Cross Bridging, Add	*330.39*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*374.53*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.61	0.82
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.98*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.12	0.95
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*1.12*	
		For Up To 100, Add	*1.48*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.15	1.15
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.40*	
		For Up To 100, Add	*1.81*	
		For >100 To 500, Add	*0.95*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.96	0.92
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*1.08*	
		For Up To 100, Add	*1.42*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.29*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.56	1.05
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.24*	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.85*	
		For >500 To 1,500, Add	*0.33*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.72	1.29
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.56*	
		For Up To 100, Add	*2.02*	
		For >100 To 500, Add	*1.06*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.46	0.97
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.21*	
		For Up To 100, Add	*1.54*	
		For >100 To 500, Add	*0.81*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.17	1.12
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.40*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.93*	
		For >500 To 1,500, Add	*0.35*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.31	1.25
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.70*	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.10*	
		For >500 To 1,500, Add	*0.39*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.83	1.36
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*2.09*	
		For Up To 100, Add	*2.31*	
		For >100 To 500, Add	*1.29*	
		For >500 To 1,500, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.95	1.02
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.34*	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.88*	
		For >500 To 1,500, Add	*0.32*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.76	1.15
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Site Installed Insulation Between Ribs, Add	*1.55*	
		For Up To 100, Add	*1.87*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	7.18	1.42
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.93*	
		For Up To 100, Add	*2.33*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	9.01	1.74
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*2.42*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.55*	
		For >500 To 1,500, Add	*0.54*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	12.43	
		For Painted, Deduct	*-0.54*	
		For Perforated Or Slotted, Add	*0.54*	
		For Site Installed Insulation Between Ribs, Add	*3.23*	
		For Up To 100, Add	*2.65*	
		For >100 To 500, Add	*1.71*	
		For >500 To 1,500, Add	*0.39*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	15.61	1.42
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Site Installed Insulation Between Ribs, Add	*4.04*	
		For Up To 100, Add	*3.17*	
		For >100 To 500, Add	*2.10*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	14.55	1.42
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Site Installed Insulation Between Ribs, Add	*3.77*	
		For Up To 100, Add	*3.07*	
		For >100 To 500, Add	*1.99*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	15.35	1.74
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Site Installed Insulation Between Ribs, Add	*4.00*	
		For Up To 100, Add	*3.48*	
		For >100 To 500, Add	*2.18*	
		For >500 To 1,500, Add	*0.54*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	19.15	2.10
		For Painted, Deduct	*-0.83*	
		For Perforated Or Slotted, Add	*0.83*	
		For Site Installed Insulation Between Ribs, Add	*4.99*	
		For Up To 100, Add	*4.28*	
		For >100 To 500, Add	*2.70*	
		For >500 To 1,500, Add	*0.66*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	16.96	1.90
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*4.42*	
		For Up To 100, Add	*3.83*	
		For >100 To 500, Add	*2.41*	
		For >500 To 1,500, Add	*0.59*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	21.12	2.31
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Site Installed Insulation Between Ribs, Add	*5.50*	
		For Up To 100, Add	*4.71*	
		For >100 To 500, Add	*2.98*	
		For >500 To 1,500, Add	*0.72*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	11.31	1.46
		For Painted, Deduct	*-0.47*	
		For Perforated Or Slotted, Add	*0.47*	
		For Insulated Cells, Add	*2.13*	
		For Site Installed Insulation Between Ribs, Add	*2.97*	
		For Up To 100, Add	*2.78*	
		For >100 To 500, Add	*1.68*	
		For >500 To 1,500, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	12.46	1.94
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.26*	
		For Site Installed Insulation Between Ribs, Add	*3.30*	
		For Up To 100, Add	*3.42*	
		For >100 To 500, Add	*1.97*	
		For >500 To 1,500, Add	*0.61*	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	13.75	1.52
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.66*	
		For Site Installed Insulation Between Ribs, Add	*3.58*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.95*	
		For >500 To 1,500, Add	*0.48*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	15.06	2.04
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Insulated Cells, Add	*2.82*	
		For Site Installed Insulation Between Ribs, Add	*3.96*	
		For Up To 100, Add	*3.79*	
		For >100 To 500, Add	*2.27*	
		For >500 To 1,500, Add	*0.64*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	15.79	1.87
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.04*	
		For Site Installed Insulation Between Ribs, Add	*4.12*	
		For Up To 100, Add	*3.64*	
		For >100 To 500, Add	*2.27*	
		For >500 To 1,500, Add	*0.57*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	18.84	2.14
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.64*	
		For Site Installed Insulation Between Ribs, Add	*4.92*	
		For Up To 100, Add	*4.29*	
		For >100 To 500, Add	*2.69*	
		For >500 To 1,500, Add	*0.67*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	21.10	2.31
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.10*	
		For Site Installed Insulation Between Ribs, Add	*5.50*	
		For Up To 100, Add	*4.71*	
		For >100 To 500, Add	*2.98*	
		For >500 To 1,500, Add	*0.72*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	22.80	2.47
		For Painted, Deduct	*-0.99*	
		For Perforated Or Slotted, Add	*0.99*	
		For Insulated Cells, Add	*4.43*	
		For Site Installed Insulation Between Ribs, Add	*5.94*	
		For Up To 100, Add	*5.07*	
		For >100 To 500, Add	*3.21*	
		For >500 To 1,500, Add	*0.78*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	24.03	1.87
		For Painted, Deduct	*-1.09*	
		For Perforated Or Slotted, Add	*1.09*	
		For Insulated Cells, Add	*4.88*	
		For Site Installed Insulation Between Ribs, Add	*6.19*	
		For Up To 100, Add	*4.50*	
		For >100 To 500, Add	*3.10*	
		For >500 To 1,500, Add	*0.58*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	25.64	2.17
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.16*	
		For Site Installed Insulation Between Ribs, Add	*6.62*	
		For Up To 100, Add	*5.00*	
		For >100 To 500, Add	*3.38*	
		For >500 To 1,500, Add	*0.68*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	27.13	2.34
		For Painted, Deduct	*-1.21*	
		For Perforated Or Slotted, Add	*1.21*	
		For Insulated Cells, Add	*5.45*	
		For Site Installed Insulation Between Ribs, Add	*7.01*	
		For Up To 100, Add	*5.35*	
		For >100 To 500, Add	*3.59*	
		For >500 To 1,500, Add	*0.73*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	28.94	2.51
		For Painted, Deduct	*-1.29*	
		For Perforated Or Slotted, Add	*1.29*	
		For Insulated Cells, Add	*5.81*	
		For Site Installed Insulation Between Ribs, Add	*7.48*	
		For Up To 100, Add	*5.72*	
		For >100 To 500, Add	*3.84*	
		For >500 To 1,500, Add	*0.79*	

05 31 23 Steel Roof Decking *(05 31)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31 33)*

05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	3.48	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.38*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.70	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.82*	
		For >100 To 500, Add	*0.85*	
		For >500 To 1,500, Add	*0.40*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.13	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*2.10*	
		For >100 To 500, Add	*0.97*	
		For >500 To 1,500, Add	*0.47*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.50	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.09*	
		For >500 To 1,500, Add	*0.53*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.11	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.40*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	4.32	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.96*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.43*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.58	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*2.14*	
		For >100 To 500, Add	*1.02*	
		For >500 To 1,500, Add	*0.47*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.93	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*2.40*	
		For >100 To 500, Add	*1.13*	
		For >500 To 1,500, Add	*0.53*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	5.20	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*2.51*	
		For >100 To 500, Add	*1.18*	
		For >500 To 1,500, Add	*0.55*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	5.62	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.62*	
		For >100 To 500, Add	*1.25*	
		For >500 To 1,500, Add	*0.57*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	6.38	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.38*	
		For >500 To 1,500, Add	*0.62*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	7.10	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*3.23*	
		For >100 To 500, Add	*1.55*	
		For >500 To 1,500, Add	*0.70*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.24	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*2.51*	
		For >100 To 500, Add	*1.19*	
		For >500 To 1,500, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.63	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*2.78*	
		For >100 To 500, Add	*1.30*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	6.42	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*3.40*	
		For >100 To 500, Add	*1.56*	
		For >500 To 1,500, Add	*0.77*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	7.10	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*3.99*	
		For >100 To 500, Add	*1.80*	
		For >500 To 1,500, Add	*0.91*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.63	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*2.78*	
		For >100 To 500, Add	*1.30*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	6.10	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*3.05*	
		For >100 To 500, Add	*1.42*	
		For >500 To 1,500, Add	*0.68*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	6.88	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*3.67*	
		For >100 To 500, Add	*1.68*	
		For >500 To 1,500, Add	*0.83*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	7.63	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*4.28*	
		For >100 To 500, Add	*1.94*	
		For >500 To 1,500, Add	*0.98*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.90	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.88*	
		For >100 To 500, Add	*1.35*	
		For >500 To 1,500, Add	*0.64*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	6.39	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*3.24*	
		For >100 To 500, Add	*1.51*	
		For >500 To 1,500, Add	*0.72*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	7.28	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*3.93*	
		For >100 To 500, Add	*1.80*	
		For >500 To 1,500, Add	*0.89*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	8.22	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*4.64*	
		For >100 To 500, Add	*2.09*	
		For >500 To 1,500, Add	*1.06*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	9.57	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*4.55*	
		For >100 To 500, Add	*2.15*	
		For >500 To 1,500, Add	*1.00*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	10.28	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Up To 100, Add	*5.00*	
		For >100 To 500, Add	*2.35*	
		For >500 To 1,500, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	10.45	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Up To 100, Add	*5.17*	
		For >100 To 500, Add	*2.42*	
		For >500 To 1,500, Add	*1.15*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	11.18	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*5.70*	
		For >100 To 500, Add	*2.65*	
		For >500 To 1,500, Add	*1.27*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	12.00	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*6.16*	
		For >100 To 500, Add	*2.85*	
		For >500 To 1,500, Add	*1.38*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	12.17	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*6.33*	
		For >100 To 500, Add	*2.92*	
		For >500 To 1,500, Add	*1.42*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	12.91	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*6.87*	
		For >100 To 500, Add	*3.15*	
		For >500 To 1,500, Add	*1.55*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	9.93	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*4.81*	
		For >100 To 500, Add	*2.27*	
		For >500 To 1,500, Add	*1.06*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	10.52	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*5.17*	
		For >100 To 500, Add	*2.43*	
		For >500 To 1,500, Add	*1.15*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	10.69	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*5.34*	
		For >100 To 500, Add	*2.49*	
		For >500 To 1,500, Add	*1.19*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	11.53	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.41*	
		For Up To 100, Add	*5.89*	
		For >100 To 500, Add	*2.73*	
		For >500 To 1,500, Add	*1.32*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	12.25	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*6.34*	
		For >100 To 500, Add	*2.93*	
		For >500 To 1,500, Add	*1.42*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	12.50	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*6.59*	
		For >100 To 500, Add	*3.03*	
		For >500 To 1,500, Add	*1.48*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	13.22	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.54*	
		For Up To 100, Add	*7.05*	
		For >100 To 500, Add	*3.23*	
		For >500 To 1,500, Add	*1.59*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	9.97	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.29*	
		For Up To 100, Add	*4.81*	
		For >100 To 500, Add	*2.27*	
		For >500 To 1,500, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	10.60	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*5.25*	
		For >100 To 500, Add	*2.46*	
		For >500 To 1,500, Add	*1.17*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	10.87	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*5.52*	
		For >100 To 500, Add	*2.57*	
		For >500 To 1,500, Add	*1.23*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	11.66	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*5.98*	
		For >100 To 500, Add	*2.77*	
		For >500 To 1,500, Add	*1.34*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	12.44	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*6.44*	
		For >100 To 500, Add	*2.98*	
		For >500 To 1,500, Add	*1.44*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	12.78	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*6.78*	
		For >100 To 500, Add	*3.11*	
		For >500 To 1,500, Add	*1.53*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	13.39	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.54*	
		For Up To 100, Add	*7.22*	
		For >100 To 500, Add	*3.30*	
		For >500 To 1,500, Add	*1.63*	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.83	1.14
		For Walls >10' High, Add	*1.17*	
		For Curved Wall, Add	*0.80*	
		For Up To 200, Add	*1.70*	
		For >200 To 500, Add	*0.85*	
		For 12" On Center, Add	*1.03*	
		For 24" On Center, Deduct	*-1.03*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.52	1.14
		For Walls >10' High, Add	*1.30*	
		For Curved Wall, Add	*0.84*	
		For Up To 200, Add	*1.86*	
		For >200 To 500, Add	*0.93*	
		For 12" On Center, Add	*1.16*	
		For 24" On Center, Deduct	*-1.16*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.81	1.14
		For Walls >10' High, Add	*1.36*	
		For Curved Wall, Add	*0.88*	
		For Up To 200, Add	*1.95*	
		For >200 To 500, Add	*0.97*	
		For 12" On Center, Add	*1.22*	
		For 24" On Center, Deduct	*-1.22*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.64	1.27
		For Walls >10' High, Add	*1.73*	
		For Curved Wall, Add	*0.91*	
		For Up To 200, Add	*2.34*	
		For >200 To 500, Add	*1.17*	
		For 12" On Center, Add	*1.58*	
		For 24" On Center, Deduct	*-1.58*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.65	1.39
		For Walls >10' High, Add	*1.93*	
		For Curved Wall, Add	*0.95*	
		For Up To 200, Add	*2.56*	
		For >200 To 500, Add	*1.28*	
		For 12" On Center, Add	*1.77*	
		For 24" On Center, Deduct	*-1.77*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Runners *(05 41)*		
05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.27	1.14
		For Walls >10' High, Add	*1.25*	
		For Curved Wall, Add	*0.84*	
		For Up To 200, Add	*1.81*	
		For >200 To 500, Add	*0.91*	
		For 12" On Center, Add	*1.11*	
		For 24" On Center, Deduct	*-1.11*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.25	1.16
		For Walls >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.88*	
		For Up To 200, Add	*2.04*	
		For >200 To 500, Add	*1.02*	
		For 12" On Center, Add	*1.30*	
		For 24" On Center, Deduct	*-1.30*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.65	1.16
		For Walls >10' High, Add	*1.53*	
		For Curved Wall, Add	*0.92*	
		For Up To 200, Add	*2.14*	
		For >200 To 500, Add	*1.07*	
		For 12" On Center, Add	*1.38*	
		For 24" On Center, Deduct	*-1.38*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.67	1.39
		For Walls >10' High, Add	*1.93*	
		For Curved Wall, Add	*0.96*	
		For Up To 200, Add	*2.57*	
		For >200 To 500, Add	*1.29*	
		For 12" On Center, Add	*1.77*	
		For 24" On Center, Deduct	*-1.77*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.66	1.52
		For Walls >10' High, Add	*2.13*	
		For Curved Wall, Add	*1.01*	
		For Up To 200, Add	*2.80*	
		For >200 To 500, Add	*1.40*	
		For 12" On Center, Add	*1.96*	
		For 24" On Center, Deduct	*-1.96*	
05 41 00 00-0013		14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.61	1.58
		For Walls >10' High, Add	*1.72*	
		For Curved Wall, Add	*1.06*	
		For Up To 200, Add	*2.43*	
		For >200 To 500, Add	*1.21*	
		For 12" On Center, Add	*1.55*	
		For 24" On Center, Deduct	*-1.55*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.85	1.61
		For Walls >10' High, Add	*1.77*	
		For Curved Wall, Add	*1.07*	
		For Up To 200, Add	*2.49*	
		For >200 To 500, Add	*1.24*	
		For 12" On Center, Add	*1.59*	
		For 24" On Center, Deduct	*-1.59*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.11	1.70
		For Walls >10' High, Add	*2.22*	
		For Curved Wall, Add	*1.13*	
		For Up To 200, Add	*2.98*	
		For >200 To 500, Add	*1.49*	
		For 12" On Center, Add	*2.03*	
		For 24" On Center, Deduct	*-2.03*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	12.21	1.77
		For Walls >10' High, Add	*2.44*	
		For Curved Wall, Add	*1.19*	
		For Up To 200, Add	*3.23*	
		For >200 To 500, Add	*1.62*	
		For 12" On Center, Add	*2.24*	
		For 24" On Center, Deduct	*-2.24*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 18 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 18 Gauge Steel Joists	13.72	3.03
05 42 13 00-0003	LF	6" - 18 Gauge Steel Joists	15.00	3.81
05 42 13 00-0004	LF	7-1/4" - 18 Gauge Steel Joists	16.25	4.17
05 42 13 00-0005	LF	8" - 18 Gauge Steel Joists	16.72	4.44

05 42 13 00-0006 Steel Joists, 16 Gauge *(05 42 13)*

05 42 13 00-0007	LF	7-1/4" - 16 Gauge Steel Joists	17.58	4.21
05 42 13 00-0008	LF	8" - 16 Gauge Steel Joists	18.56	4.44

05 42 13 00-0009 Steel Joists, 14 Gauge *(05 42 13)*

05 42 13 00-0010	LF	9-1/4" - 14 Gauge Steel Joists	20.96	4.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0011	LF	11-1/2" - 14 Gauge Steel Joists	22.78	4.68

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Metal Framing Channel *(05 43)*

Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	16.58	4.10
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	16.99	4.10
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	17.61	4.10
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	15.77	4.10
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	13.99	4.10
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009 304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.70	4.10
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.97	4.10
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	28.91	4.10
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	35.51	4.10

05 43 00 00-0014 316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	39.56	4.10

05 43 00 00-0016 Aluminum Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0017	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	16.44	4.10
05 43 00 00-0018	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	13.18	4.10

05 43 00 00-0019 Metal Framing Channel Fittings *(05 43)*

05 43 00 00-0020 Unistrut Closure Strips *(05 43 00 00-0019)*

05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel	8.25	0.91

05 43 00 00-0022 Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0019)*

Note: Includes hex bolt.

05 43 00 00-0023 Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0022)*

Note: Includes hex bolt.

05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	11.57	
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	12.45	
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	13.12	
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	16.69	

05 43 00 00-0028 Stainless Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0022)*

Note: Includes hex bolt.

05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	17.20	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.07	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	23.64	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	36.29	

05 43 00 00-0033 Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0019)*

Note: Includes hex bolt.

05 43 00 00-0034 Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0033)*

Note: Includes hex bolt.

05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	11.60	
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	12.58	
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	13.17	
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	17.72	

05 43 00 00-0039 Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0033)*

Note: Includes hex bolt.

05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.74	
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	16.77	
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	35.48	
05 43 00 00-0044		Beam Clamp For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	33.37	13.62
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	39.07	13.62
05 43 00 00-0047		Beam Clamp Clevis Hangers For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0048	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	35.34	13.62
05 43 00 00-0049	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	39.88	13.62
05 43 00 00-0050		Accessories For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0051	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	71.01	13.62
05 43 00 00-0052	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	21.81	9.08
05 43 00 00-0053	EA	60 Degree Angle, 1-5/8" Channel P2097	22.54	9.08
05 43 00 00-0054		Bases For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0055		Steel Bases For Unistrut Channel *(05 43 00 00-0054)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0056	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	150.36	45.41
05 43 00 00-0057	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	151.49	45.41
05 43 00 00-0058	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	203.33	45.41
05 43 00 00-0059	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	172.22	45.41
05 43 00 00-0060		Stainless Steel Bases For Unistrut Channel *(05 43 00 00-0054)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	258.27	45.41
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	450.09	45.41
05 43 00 00-0063	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	343.36	45.41
05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	499.38	45.41
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	431.19	45.41
05 43 00 00-0066		Pipe And Rigid Conduit Clamps *(05 43 00 00-0019)*		
05 43 00 00-0067		Pipe And Rigid Conduit Clamps *(05 43 00 00-0066)* Note: Includes stainless steel (316) hardware.		
05 43 00 00-0068	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.54	3.04
05 43 00 00-0069	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.69	3.04
05 43 00 00-0070	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.19	3.68
05 43 00 00-0071	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.81	4.00
05 43 00 00-0072	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	13.37	4.48
05 43 00 00-0073	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	13.37	4.48
05 43 00 00-0074	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	20.89	7.52
05 43 00 00-0075	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	21.20	7.52
05 43 00 00-0076	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	22.80	8.32
05 43 00 00-0077	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	25.16	8.96
05 43 00 00-0078		Pipe And Rigid Conduit Clamps *(05 43 00 00-0066)* Note: Includes nylon hardware.		
05 43 00 00-0079	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.32	3.04
05 43 00 00-0080	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.64	3.04
05 43 00 00-0081	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.14	3.68
05 43 00 00-0082	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.88	4.00
05 43 00 00-0083	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.16	4.48
05 43 00 00-0084	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.16	4.48
05 43 00 00-0085	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	27.35	7.52
05 43 00 00-0086	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	27.99	7.52
05 43 00 00-0087	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	29.70	8.32
05 43 00 00-0088	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	33.01	8.96
05 43 00 00-0089		Other Unistrut Channel Accessories *(05 43 00 00-0019)*		
05 43 00 00-0090	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	198.94	18.16

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	968.16	52.23
		For Closed Riser, Add	*109.02*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,102.30	60.93
		For Closed Riser, Add	*123.92*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,232.50	71.38
		For Closed Riser, Add	*138.11*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	91.04	8.71

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	497.13	69.64
		For Closed Riser, Add	*56.97*	
		For Galvanized Steel, Add	*89.46*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	535.06	80.09
		For Closed Riser, Add	*60.75*	
		For Galvanized Steel, Add	*93.72*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	597.00	94.01
		For Closed Riser, Add	*67.27*	
		For Galvanized Steel, Add	*102.24*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	96.17	8.71
		For Galvanized Steel, Add	*15.34*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	120.53	20.90
		For Galvanized Steel, Add	*13.75*	
		For Aluminum, Add	*27.50*	
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	134.47	20.90
		For Galvanized Steel, Add	*17.23*	
		For Aluminum, Add	*34.47*	
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	270.73	34.82
		For Galvanized Steel, Add	*39.94*	
		For Aluminum, Add	*79.88*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	298.60	34.82
		For Galvanized Steel, Add	*46.91*	
		For Aluminum, Add	*93.81*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	435.15	65.29
		For Galvanized Steel, Add	*76.14*	
		For Aluminum, Add	*152.29*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	475.20	69.64
		For Galvanized Steel, Add	*83.98*	
		For Aluminum, Add	*167.96*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	478.98	21.76
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,342.81	130.58
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,603.56	152.34
05 51 33 13-0012	EA	Safety Chain Attachment	240.85	

05 51 33 13-0013 Welded Steel Ladder Cages *(05 51 33 13)*

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,311.40	261.15
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,500.49	269.86
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,652.28	278.56
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,814.01	287.27
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,911.04	295.98
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,065.31	304.67
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,202.15	313.38
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,378.82	322.09
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,550.50	330.80
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,692.33	339.49
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,864.01	348.20
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,030.72	356.91
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,194.94	365.62
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,488.55	374.32
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,580.61	383.02
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,734.88	391.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,876.71	400.43
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,008.57	409.14
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,294.72	417.85
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,451.48	426.55
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,598.28	435.25
05 51 33 13-0036		Welded Stainless Steel Ladder Cages *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	5,479.00	261.15
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	5,847.25	269.86
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	6,456.89	278.56
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	6,760.45	287.27
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	7,016.73	295.98
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	7,355.14	304.67
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	7,959.78	313.38
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	8,268.33	322.09
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	8,586.82	330.80
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	8,935.18	339.49
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	9,552.26	348.20
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	9,863.30	356.91
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	10,159.40	365.62
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	10,647.10	374.32
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	11,194.52	383.02
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	11,500.57	391.73
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	11,814.09	400.43
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	12,107.69	409.14
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	12,854.18	417.85
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	13,147.79	426.55
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	13,448.87	435.25

05 51 33 16 Inclined Metal Ladders *(05 51 33)*

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs *(05 51 33 16)*

Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	388.29	87.05
		For Aluminum, Add	*107.09*	

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	3,199.31	261.15
		For Stainless Steel, Add	*279.46*	
		For Primed Steel, Deduct	*-232.88*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,652.64	276.82
		For Stainless Steel, Add	*340.51*	
		For Primed Steel, Deduct	*-265.60*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	4,038.14	276.82
		For Stainless Steel, Add	*404.25*	
		For Primed Steel, Deduct	*-295.41*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	4,626.83	347.86
		For Stainless Steel, Add	*467.93*	
		For Primed Steel, Deduct	*-320.62*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	5,068.47	360.18
		For Stainless Steel, Add	*541.49*	
		For Primed Steel, Deduct	*-348.10*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	5,409.10	360.18
		For Stainless Steel, Add	*610.22*	
		For Primed Steel, Deduct	*-368.24*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,943.50	401.77
		For Stainless Steel, Add	*690.64*	
		For Primed Steel, Deduct	*-391.36*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	6,325.14	401.77
		For Stainless Steel, Add	*772.81*	
		For Primed Steel, Deduct	*-411.34*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	6,622.07	401.77
		For Stainless Steel, Add	*845.25*	
		For Primed Steel, Deduct	*-422.63*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	63.86	17.41
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.39*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.58*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.33*	
		For ADA Handrail P-Loop End Return, Add Per Each	*104.23*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.92*	
		For Aluminum, Satin Finish, Add	*12.20*	
		For Aluminum, Clear Anodized Finish, Add	*18.88*	
		For Aluminum, Dark Anodized Finish, Add	*21.78*	
		For Galvanizing, Add	*11.62*	
		For Wrought Iron, Add	*6.39*	
		For Solid Steel Rails, Add	*12.77*	
		For 304 Stainless Steel, Add	*92.93*	
		For 316 Stainless Steel, Add	*104.54*	
		For 2" Wheel Guard, Add	*2.76*	
		For 4" High Kick Plate, Add	*3.63*	
		For 6" High Kick Plate, Add	*5.81*	
		For Curved Rail, Add	*27.87*	
		For Mounting On Stairs, Add	*19.16*	
		For Mounting On Slopes, Add	*6.39*	
		For Post Base Flange With Screws, Add Per Post	*20.98*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.72*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*23.23*	
		For Nylon Coating, Add	*4.36*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	68.87	17.41
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.49*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.51*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.24*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.28*	
		For ADA Handrail P-Loop End Return, Add Per Each	*120.85*	
		For Additional Off Set Handrail, ADA Attachment, Add	*18.64*	
		For Aluminum, Satin Finish, Add	*14.30*	
		For Aluminum, Clear Anodized Finish, Add	*22.13*	
		For Aluminum, Dark Anodized Finish, Add	*25.54*	
		For Galvanizing, Add	*13.62*	
		For Wrought Iron, Add	*6.89*	
		For Solid Steel Rails, Add	*13.77*	
		For 304 Stainless Steel, Add	*108.96*	
		For 316 Stainless Steel, Add	*122.58*	
		For 2" Wheel Guard, Add	*3.23*	
		For 4" High Kick Plate, Add	*4.26*	
		For 6" High Kick Plate, Add	*6.81*	
		For Curved Rail, Add	*30.88*	
		For Mounting On Stairs, Add	*20.66*	
		For Mounting On Slopes, Add	*6.89*	
		For Post Base Flange With Screws, Add Per Post	*20.98*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.72*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*25.73*	
		For Nylon Coating, Add	*5.11*	
		For Schedule 80 Handrail, Add	*9.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	73.87	17.41
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.59*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.89*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.23*	
		For ADA Handrail P-Loop End Return, Add Per Each	*134.39*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.35*	
		For Aluminum, Satin Finish, Add	*16.40*	
		For Aluminum, Clear Anodized Finish, Add	*25.38*	
		For Aluminum, Dark Anodized Finish, Add	*29.29*	
		For Galvanizing, Add	*15.62*	
		For Wrought Iron, Add	*7.39*	
		For Solid Steel Rails, Add	*14.77*	
		For 304 Stainless Steel, Add	*124.96*	
		For 316 Stainless Steel, Add	*140.58*	
		For 2" Wheel Guard, Add	*3.71*	
		For 4" High Kick Plate, Add	*4.88*	
		For 6" High Kick Plate, Add	*7.81*	
		For Curved Rail, Add	*33.88*	
		For Mounting On Stairs, Add	*22.16*	
		For Mounting On Slopes, Add	*7.39*	
		For Post Base Flange With Screws, Add Per Post	*20.98*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.72*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*28.23*	
		For Nylon Coating, Add	*5.86*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	82.55	17.41
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*143.28*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*105.58*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.50*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.75*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.61*	
		For ADA Handrail P-Loop End Return, Add Per Each	*157.97*	
		For Additional Off Set Handrail, ADA Attachment, Add	*23.33*	
		For Aluminum, Satin Finish, Add	*20.05*	
		For Aluminum, Clear Anodized Finish, Add	*31.02*	
		For Aluminum, Dark Anodized Finish, Add	*35.80*	
		For Galvanizing, Add	*19.09*	
		For Wrought Iron, Add	*8.26*	
		For Solid Steel Rails, Add	*16.51*	
		For 304 Stainless Steel, Add	*152.74*	
		For 316 Stainless Steel, Add	*171.83*	
		For 2" Wheel Guard, Add	*4.53*	
		For 4" High Kick Plate, Add	*5.97*	
		For 6" High Kick Plate, Add	*9.55*	
		For Curved Rail, Add	*39.08*	
		For Mounting On Stairs, Add	*24.77*	
		For Mounting On Slopes, Add	*8.26*	
		For Post Base Flange With Screws, Add Per Post	*20.98*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.72*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*32.57*	
		For Nylon Coating, Add	*7.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	92.95	17.41
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*143.28*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*105.58*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*145.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.79*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.53*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.18*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*206.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*26.89*	
		For Aluminum, Satin Finish, Add	*24.41*	
		For Aluminum, Clear Anodized Finish, Add	*37.78*	
		For Aluminum, Dark Anodized Finish, Add	*43.60*	
		For Galvanizing, Add	*23.25*	
		For Wrought Iron, Add	*9.30*	
		For Solid Steel Rails, Add	*18.59*	
		For 304 Stainless Steel, Add	*186.02*	
		For 316 Stainless Steel, Add	*209.27*	
		For 2" Wheel Guard, Add	*5.52*	
		For 4" High Kick Plate, Add	*7.27*	
		For 6" High Kick Plate, Add	*11.63*	
		For Curved Rail, Add	*45.32*	
		For Mounting On Stairs, Add	*27.89*	
		For Mounting On Slopes, Add	*9.30*	
		For Post Base Flange With Screws, Add Per Post	*20.98*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.72*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*37.77*	
		For Nylon Coating, Add	*8.72*	

05 52 13 00-0008 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	95.14	20.90
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.74*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.34*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.81*	
		For ADA Handrail P-Loop End Return, Add Per Each	*104.23*	
		For Additional Off Set Handrail, ADA Attachment, Add	*18.32*	
		For Aluminum, Satin Finish, Add	*22.41*	
		For Aluminum, Clear Anodized Finish, Add	*34.68*	
		For Aluminum, Dark Anodized Finish, Add	*40.02*	
		For Galvanizing, Add	*21.34*	
		For Wrought Iron, Add	*9.51*	
		For Solid Steel Rails, Add	*19.03*	
		For 304 Stainless Steel, Add	*170.75*	
		For 316 Stainless Steel, Add	*192.10*	
		For 2" Wheel Guard, Add	*5.07*	
		For 4" High Kick Plate, Add	*6.67*	
		For 6" High Kick Plate, Add	*10.67*	
		For Curved Rail, Add	*44.55*	
		For Mounting On Stairs, Add	*28.54*	
		For Mounting On Slopes, Add	*9.51*	
		For Post Base Flange With Screws, Add Per Post	*21.68*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*32.77*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*37.13*	
		For Nylon Coating, Add	*8.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	104.33	20.90
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.76*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.64*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.64*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.39*	
		For ADA Handrail P-Loop End Return, Add Per Each	*120.85*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.04*	
		For Aluminum, Satin Finish, Add	*26.27*	
		For Aluminum, Clear Anodized Finish, Add	*40.66*	
		For Aluminum, Dark Anodized Finish, Add	*46.91*	
		For Galvanizing, Add	*25.02*	
		For Wrought Iron, Add	*10.43*	
		For Solid Steel Rails, Add	*20.87*	
		For 304 Stainless Steel, Add	*200.16*	
		For 316 Stainless Steel, Add	*225.18*	
		For 2" Wheel Guard, Add	*5.94*	
		For 4" High Kick Plate, Add	*7.82*	
		For 6" High Kick Plate, Add	*12.51*	
		For Curved Rail, Add	*50.06*	
		For Mounting On Stairs, Add	*31.30*	
		For Mounting On Slopes, Add	*10.43*	
		For Post Base Flange With Screws, Add Per Post	*21.68*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*32.77*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*41.72*	
		For Nylon Coating, Add	*9.38*	
		For Schedule 80 Handrail, Add	*13.23*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	113.52	20.90
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.67*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-27.98*	
		For ADA Handrail P-Loop End Return, Add Per Each	*134.39*	
		For Additional Off Set Handrail, ADA Attachment, Add	*21.75*	
		For Aluminum, Satin Finish, Add	*30.13*	
		For Aluminum, Clear Anodized Finish, Add	*46.63*	
		For Aluminum, Dark Anodized Finish, Add	*53.81*	
		For Galvanizing, Add	*28.70*	
		For Wrought Iron, Add	*11.35*	
		For Solid Steel Rails, Add	*22.70*	
		For 304 Stainless Steel, Add	*229.57*	
		For 316 Stainless Steel, Add	*258.26*	
		For 2" Wheel Guard, Add	*6.82*	
		For 4" High Kick Plate, Add	*8.97*	
		For 6" High Kick Plate, Add	*14.35*	
		For Curved Rail, Add	*55.58*	
		For Mounting On Stairs, Add	*34.06*	
		For Mounting On Slopes, Add	*11.35*	
		For Post Base Flange With Screws, Add Per Post	*21.68*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*32.77*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*46.32*	
		For Nylon Coating, Add	*10.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	129.49	20.90
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*143.28*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*105.58*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.30*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-21.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-28.94*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.21*	
		For ADA Handrail P-Loop End Return, Add Per Each	*157.97*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.73*	
		For Aluminum, Satin Finish, Add	*36.84*	
		For Aluminum, Clear Anodized Finish, Add	*57.01*	
		For Aluminum, Dark Anodized Finish, Add	*65.78*	
		For Galvanizing, Add	*35.08*	
		For Wrought Iron, Add	*12.95*	
		For Solid Steel Rails, Add	*25.90*	
		For 304 Stainless Steel, Add	*280.67*	
		For 316 Stainless Steel, Add	*315.76*	
		For 2" Wheel Guard, Add	*8.33*	
		For 4" High Kick Plate, Add	*10.96*	
		For 6" High Kick Plate, Add	*17.54*	
		For Curved Rail, Add	*65.16*	
		For Mounting On Stairs, Add	*38.85*	
		For Mounting On Slopes, Add	*12.95*	
		For Post Base Flange With Screws, Add Per Post	*21.68*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*32.77*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*54.30*	
		For Nylon Coating, Add	*13.16*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	148.51	20.90
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*143.28*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*105.58*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*145.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.48*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.68*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.22*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.62*	
		For ADA Handrail P-Loop End Return, Add Per Each	*206.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*28.29*	
		For Aluminum, Satin Finish, Add	*44.83*	
		For Aluminum, Clear Anodized Finish, Add	*69.37*	
		For Aluminum, Dark Anodized Finish, Add	*80.05*	
		For Galvanizing, Add	*42.69*	
		For Wrought Iron, Add	*14.85*	
		For Solid Steel Rails, Add	*29.70*	
		For 304 Stainless Steel, Add	*341.54*	
		For 316 Stainless Steel, Add	*384.23*	
		For 2" Wheel Guard, Add	*10.14*	
		For 4" High Kick Plate, Add	*13.34*	
		For 6" High Kick Plate, Add	*21.35*	
		For Curved Rail, Add	*76.57*	
		For Mounting On Stairs, Add	*44.55*	
		For Mounting On Slopes, Add	*14.85*	
		For Post Base Flange With Screws, Add Per Post	*21.68*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*32.77*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*63.81*	
		For Nylon Coating, Add	*16.01*	

05 52 13 00-0014 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and four rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	114.24	24.38
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.41*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.37*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.54*	
		For ADA Handrail P-Loop End Return, Add Per Each	*104.23*	
		For Additional Off Set Handrail, ADA Attachment, Add	*19.71*	
		For Aluminum, Satin Finish, Add	*27.51*	
		For Aluminum, Clear Anodized Finish, Add	*42.57*	
		For Aluminum, Dark Anodized Finish, Add	*49.12*	
		For Galvanizing, Add	*26.20*	
		For Wrought Iron, Add	*11.42*	
		For Solid Steel Rails, Add	*22.85*	
		For 304 Stainless Steel, Add	*209.57*	
		For 316 Stainless Steel, Add	*235.76*	
		For 2" Wheel Guard, Add	*6.22*	
		For 4" High Kick Plate, Add	*8.19*	
		For 6" High Kick Plate, Add	*13.10*	
		For Curved Rail, Add	*53.92*	
		For Mounting On Stairs, Add	*34.27*	
		For Mounting On Slopes, Add	*11.42*	
		For Post Base Flange With Screws, Add Per Post	*22.38*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*33.81*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*44.93*	
		For Nylon Coating, Add	*9.82*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	122.40	24.38
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.20*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.41*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.30*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.72*	
		For ADA Handrail P-Loop End Return, Add Per Each	*120.85*	
		For Additional Off Set Handrail, ADA Attachment, Add	*21.43*	
		For Aluminum, Satin Finish, Add	*30.93*	
		For Aluminum, Clear Anodized Finish, Add	*47.87*	
		For Aluminum, Dark Anodized Finish, Add	*55.24*	
		For Galvanizing, Add	*29.46*	
		For Wrought Iron, Add	*12.24*	
		For Solid Steel Rails, Add	*24.48*	
		For 304 Stainless Steel, Add	*235.68*	
		For 316 Stainless Steel, Add	*265.14*	
		For 2" Wheel Guard, Add	*7.00*	
		For 4" High Kick Plate, Add	*9.21*	
		For 6" High Kick Plate, Add	*14.73*	
		For Curved Rail, Add	*58.82*	
		For Mounting On Stairs, Add	*36.72*	
		For Mounting On Slopes, Add	*12.24*	
		For Post Base Flange With Screws, Add Per Post	*22.38*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*33.81*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*49.01*	
		For Nylon Coating, Add	*11.05*	
		For Schedule 80 Handrail, Add	*17.65*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	130.56	24.38
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.45*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-31.91*	
		For ADA Handrail P-Loop End Return, Add Per Each	*134.39*	
		For Additional Off Set Handrail, ADA Attachment, Add	*23.14*	
		For Aluminum, Satin Finish, Add	*34.36*	
		For Aluminum, Clear Anodized Finish, Add	*53.18*	
		For Aluminum, Dark Anodized Finish, Add	*61.36*	
		For Galvanizing, Add	*32.72*	
		For Wrought Iron, Add	*13.06*	
		For Solid Steel Rails, Add	*26.11*	
		For 304 Stainless Steel, Add	*261.79*	
		For 316 Stainless Steel, Add	*294.52*	
		For 2" Wheel Guard, Add	*7.77*	
		For 4" High Kick Plate, Add	*10.23*	
		For 6" High Kick Plate, Add	*16.36*	
		For Curved Rail, Add	*63.71*	
		For Mounting On Stairs, Add	*39.17*	
		For Mounting On Slopes, Add	*13.06*	
		For Post Base Flange With Screws, Add Per Post	*22.38*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*33.81*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*53.09*	
		For Nylon Coating, Add	*12.27*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	148.73	24.38
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*143.28*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*105.58*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-22.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-25.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-32.99*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-38.99*	
		For ADA Handrail P-Loop End Return, Add Per Each	*157.97*	
		For Additional Off Set Handrail, ADA Attachment, Add	*26.12*	
		For Aluminum, Satin Finish, Add	*41.99*	
		For Aluminum, Clear Anodized Finish, Add	*64.99*	
		For Aluminum, Dark Anodized Finish, Add	*74.99*	
		For Galvanizing, Add	*39.99*	
		For Wrought Iron, Add	*14.87*	
		For Solid Steel Rails, Add	*29.75*	
		For 304 Stainless Steel, Add	*319.94*	
		For 316 Stainless Steel, Add	*359.93*	
		For 2" Wheel Guard, Add	*9.50*	
		For 4" High Kick Plate, Add	*12.50*	
		For 6" High Kick Plate, Add	*20.00*	
		For Curved Rail, Add	*74.61*	
		For Mounting On Stairs, Add	*44.62*	
		For Mounting On Slopes, Add	*14.87*	
		For Post Base Flange With Screws, Add Per Post	*22.38*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*33.81*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*62.18*	
		For Nylon Coating, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	170.03	24.38
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*71.28*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.54*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.78*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*82.12*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*60.53*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*38.92*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*103.63*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*76.38*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*49.10*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*103.46*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*79.99*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*116.33*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*88.26*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*143.28*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*105.58*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*145.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.68*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.32*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-40.02*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.30*	
		For ADA Handrail P-Loop End Return, Add Per Each	*206.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*29.68*	
		For Aluminum, Satin Finish, Add	*50.94*	
		For Aluminum, Clear Anodized Finish, Add	*78.83*	
		For Aluminum, Dark Anodized Finish, Add	*90.96*	
		For Galvanizing, Add	*48.51*	
		For Wrought Iron, Add	*17.00*	
		For Solid Steel Rails, Add	*34.01*	
		For 304 Stainless Steel, Add	*388.10*	
		For 316 Stainless Steel, Add	*436.61*	
		For 2" Wheel Guard, Add	*11.52*	
		For 4" High Kick Plate, Add	*15.16*	
		For 6" High Kick Plate, Add	*24.26*	
		For Curved Rail, Add	*87.39*	
		For Mounting On Stairs, Add	*51.01*	
		For Mounting On Slopes, Add	*17.00*	
		For Post Base Flange With Screws, Add Per Post	*22.38*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*33.81*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*72.83*	
		For Nylon Coating, Add	*18.19*	

05 52 13 00-0020 Railing Infill Panels *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0021 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0020)*

Note: Square weave or square welded wire mesh.

05 52 13 00-0022	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.42
05 52 13 00-0023	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.37
05 52 13 00-0024	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.22
05 52 13 00-0025	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.11

05 52 13 00-0026 Perforated Metal, Railing Infill Panels *(05 52 13 00-0020)*

05 52 13 00-0027	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.12
05 52 13 00-0028	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	15.64
05 52 13 00-0029	SF	Aluminum, Perforated Metal, Railing Infill Panel	16.74
05 52 13 00-0030	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	33.59

05 52 13 00-0031 Expanded Metal, Railing Infill Panels *(05 52 13 00-0020)*

05 52 13 00-0032	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	6.82
05 52 13 00-0033	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	13.94
05 52 13 00-0034	SF	Aluminum, Expanded Metal, Railing Infill Panel	18.31
05 52 13 00-0035	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	27.29

05 52 13 00-0036 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0037	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.34	10.44
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.56*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.34*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.67*	
		For Stainless Steel, Add	*44.46*	
		For Aluminum, Satin Finish, Add	*9.34*	
		For Curved Rail, Add	*14.50*	
		For Aluminum, Clear Anodized Finish, Add	*14.45*	
		For Aluminum, Dark Anodized Finish, Add	*16.67*	
		For Galvanized Finish, Add	*6.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0038	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.06	10.44
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.74*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.57*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.95*	
		For Stainless Steel, Add	*45.90*	
		For Aluminum, Satin Finish, Add	*9.64*	
		For Curved Rail, Add	*14.72*	
		For Aluminum, Clear Anodized Finish, Add	*14.92*	
		For Aluminum, Dark Anodized Finish, Add	*17.21*	
		For Galvanized Finish, Add	*6.89*	
05 52 13 00-0039	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.78	10.44
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.21*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.92*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.81*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.23*	
		For Stainless Steel, Add	*47.34*	
		For Aluminum, Satin Finish, Add	*9.94*	
		For Curved Rail, Add	*14.93*	
		For Aluminum, Clear Anodized Finish, Add	*15.39*	
		For Aluminum, Dark Anodized Finish, Add	*17.75*	
		For Galvanized Finish, Add	*7.10*	
05 52 13 00-0040	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	58.02	10.44
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.98*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.53*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.44*	
		For Stainless Steel, Add	*63.82*	
		For Aluminum, Satin Finish, Add	*13.40*	
		For Curved Rail, Add	*17.41*	
		For Aluminum, Clear Anodized Finish, Add	*20.74*	
		For Aluminum, Dark Anodized Finish, Add	*23.93*	
		For Galvanized Finish, Add	*9.57*	
05 52 13 00-0041	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	64.84	10.44
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.52*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.68*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.78*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.10*	
		For Stainless Steel, Add	*77.46*	
		For Aluminum, Satin Finish, Add	*16.27*	
		For Curved Rail, Add	*19.45*	
		For Aluminum, Clear Anodized Finish, Add	*25.17*	
		For Aluminum, Dark Anodized Finish, Add	*29.05*	
		For Galvanized Finish, Add	*11.62*	

05 52 13 00-0042 Remove/Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0043	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	39.18
05 52 13 00-0044	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	50.69
05 52 13 00-0045	EA	Install New Galvanized Steel Pipe Railing Bracket	86.13
		For Stainless Steel, Add	*67.80*

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	15.66	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.97*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.28*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.86*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	20.56	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.70*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.89*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.98*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	18.81	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*48.09*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.37*	
		For Crossbars At 2" On-Center, Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	25.46	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.68*	
		For 304 Stainless Steel, Add	*69.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.32*	
		For Crossbars At 2" On-Center, Add	*2.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.11*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	32.10	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*90.75*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.25*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.27*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	21.99	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*58.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.30*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.02*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	30.07	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*84.23*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.22*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	25.18	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*68.53*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.23*	
		For Crossbars At 2" On-Center, Add	*2.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.10*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	35.81	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.29*	
		For 304 Stainless Steel, Add	*99.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.08*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.93*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	45.92	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.01*	
		For 304 Stainless Steel, Add	*132.32*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.04*	
		For Crossbars At 2" On-Center, Add	*4.45*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.18*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	40.74	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*115.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.52*	
		For Crossbars At 2" On-Center, Add	*3.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.05*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	45.36	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*130.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.87*	
		For Crossbars At 2" On-Center, Add	*4.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.17*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	50.26	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*146.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.30*	
		For Crossbars At 2" On-Center, Add	*4.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	54.88	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.53*	
		For 304 Stainless Steel, Add	*161.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.65*	
		For Crossbars At 2" On-Center, Add	*5.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.40*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	28.50	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.05*	
		For 304 Stainless Steel, Add	*46.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.20*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.18*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	34.80	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.34*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	31.19	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*51.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.25*	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	42.01	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*71.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.36*	
		For Bearing Bars At 15/16" On-Center, Add	*11.15*	
		For Crossbars At 2" On-Center, Add	*4.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.52*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	34.80	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.34*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	47.01	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.08*	
		For 304 Stainless Steel, Add	*80.79*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.61*	
		For Crossbars At 2" On-Center, Add	*4.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.65*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	38.58	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.70*	
		For 304 Stainless Steel, Add	*65.02*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.15*	
		For Crossbars At 2" On-Center, Add	*3.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	53.13	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.94*	
		For 304 Stainless Steel, Add	*90.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.22*	
		For Bearing Bars At 15/16" On-Center, Add	*14.14*	
		For Crossbars At 2" On-Center, Add	*5.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.36*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	58.41	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*100.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.68*	
		For Crossbars At 2" On-Center, Add	*5.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.49*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	62.72	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.52*	
		For 304 Stainless Steel, Add	*108.56*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.94*	
		For Crossbars At 2" On-Center, Add	*6.27*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.60*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	66.85	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.19*	
		For 304 Stainless Steel, Add	*116.28*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.15*	
		For Crossbars At 2" On-Center, Add	*6.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.70*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	70.42	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.78*	
		For 304 Stainless Steel, Add	*122.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.19*	
		For Crossbars At 2" On-Center, Add	*7.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.79*	
05 53 13 00-0031		Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	18.61	1.92
		For Bearing Bars At 15/16" On-Center, Add	*4.32*	
		For Crossbars At 2" On-Center, Add	*1.60*	
		For Set In Place Without Bolting, Deduct	*-2.94*	
		For Powder Coating, Add	*2.22*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	24.67	1.92
		For Bearing Bars At 15/16" On-Center, Add	*6.09*	
		For Crossbars At 2" On-Center, Add	*2.25*	
		For Set In Place Without Bolting, Deduct	*-3.09*	
		For Powder Coating, Add	*3.13*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	23.37	1.92
		For Bearing Bars At 15/16" On-Center, Add	*5.71*	
		For Crossbars At 2" On-Center, Add	*2.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.05*	
		For Powder Coating, Add	*2.93*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	31.21	1.92
		For Bearing Bars At 7/16" On-Center, Add	*39.70*	
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.25*	
		For Powder Coating, Add	*4.11*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	26.82	1.92
		For Bearing Bars At 15/16" On-Center, Add	*6.71*	
		For Crossbars At 2" On-Center, Add	*2.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.14*	
		For Powder Coating, Add	*3.45*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	35.36	1.92
		For Bearing Bars At 15/16" On-Center, Add	*9.21*	
		For Crossbars At 2" On-Center, Add	*3.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.35*	
		For Powder Coating, Add	*4.73*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	30.06	1.92
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.22*	
		For Powder Coating, Add	*3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	39.64	1.92
		For Bearing Bars At 7/16" On-Center, Add	*51.92*	
		For Bearing Bars At 15/16" On-Center, Add	*10.46*	
		For Crossbars At 2" On-Center, Add	*3.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.46*	
		For Powder Coating, Add	*5.37*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	43.74	1.92
		For Bearing Bars At 15/16" On-Center, Add	*11.65*	
		For Crossbars At 2" On-Center, Add	*4.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.56*	
		For Powder Coating, Add	*5.99*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	48.60	1.92
		For Bearing Bars At 15/16" On-Center, Add	*13.07*	
		For Crossbars At 2" On-Center, Add	*4.84*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.69*	
		For Powder Coating, Add	*6.72*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	52.42	1.92
		For Bearing Bars At 15/16" On-Center, Add	*14.19*	
		For Crossbars At 2" On-Center, Add	*5.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.78*	
		For Powder Coating, Add	*7.29*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	56.96	1.92
		For Bearing Bars At 15/16" On-Center, Add	*15.51*	
		For Crossbars At 2" On-Center, Add	*5.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.89*	
		For Powder Coating, Add	*7.97*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	45.86	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.90*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.62*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	51.04	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*78.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.21*	
		For Crossbars At 2" On-Center, Add	*3.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.75*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	55.96	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.72*	
		For 304 Stainless Steel, Add	*84.99*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.81*	
		For Crossbars At 2" On-Center, Add	*4.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.43*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	63.91	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.45*	
		For 304 Stainless Steel, Add	*98.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.89*	
		For Crossbars At 2" On-Center, Add	*4.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.63*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	71.89	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*111.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*43.00*	
		For Crossbars At 2" On-Center, Add	*5.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	79.83	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*124.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*48.08*	
		For Crossbars At 2" On-Center, Add	*6.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.03*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	87.81	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.65*	
		For 304 Stainless Steel, Add	*137.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.19*	
		For Crossbars At 2" On-Center, Add	*6.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.23*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	21.70	1.92
		For Bearing Bars At 15/16" On-Center, Add	*11.44*	
		For Crossbars At 2" On-Center, Add	*1.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.01*	
		For Powder Coating, Add	*2.68*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	27.68	1.92
		For Bearing Bars At 15/16" On-Center, Add	*15.26*	
		For Crossbars At 2" On-Center, Add	*1.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.16*	
		For Powder Coating, Add	*3.58*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	24.39	1.92
		For Bearing Bars At 15/16" On-Center, Add	*13.16*	
		For Crossbars At 2" On-Center, Add	*1.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.08*	
		For Powder Coating, Add	*3.08*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	31.70	1.92
		For Bearing Bars At 15/16" On-Center, Add	*17.84*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.26*	
		For Powder Coating, Add	*4.18*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	27.57	1.92
		For Bearing Bars At 15/16" On-Center, Add	*15.19*	
		For Crossbars At 2" On-Center, Add	*1.90*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.16*	
		For Powder Coating, Add	*3.56*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	36.01	1.92
		For Bearing Bars At 15/16" On-Center, Add	*20.60*	
		For Crossbars At 2" On-Center, Add	*2.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.37*	
		For Powder Coating, Add	*4.83*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	40.97	1.92
		For Bearing Bars At 15/16" On-Center, Add	*23.77*	
		For Crossbars At 2" On-Center, Add	*2.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.49*	
		For Powder Coating, Add	*5.57*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	45.91	1.92
		For Bearing Bars At 15/16" On-Center, Add	*26.93*	
		For Crossbars At 2" On-Center, Add	*3.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.62*	
		For Powder Coating, Add	*6.31*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	50.87	1.92
		For Bearing Bars At 15/16" On-Center, Add	*30.11*	
		For Crossbars At 2" On-Center, Add	*3.76*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.74*	
		For Powder Coating, Add	*7.06*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	55.81	1.92
		For Bearing Bars At 15/16" On-Center, Add	*33.27*	
		For Crossbars At 2" On-Center, Add	*4.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.87*	
		For Powder Coating, Add	*7.80*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0065		**Steel, Riveted Grating** *(05 53 13 00-0064)* Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	86.03	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.95*	
		For 304 Stainless Steel, Add	*70.61*	
		For 5/8" Clear Opening, Add	*28.36*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.62*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	101.08	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.67*	
		For 304 Stainless Steel, Add	*83.54*	
		For 5/8" Clear Opening, Add	*33.55*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.00*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	92.96	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.28*	
		For 304 Stainless Steel, Add	*76.56*	
		For 5/8" Clear Opening, Add	*30.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.79*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	106.81	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.94*	
		For 304 Stainless Steel, Add	*88.46*	
		For 5/8" Clear Opening, Add	*35.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.14*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	98.70	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*81.49*	
		For 5/8" Clear Opening, Add	*32.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.94*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	117.49	1.92
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*97.63*	
		For 5/8" Clear Opening, Add	*39.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.41*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	105.09	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.82*	
		For 304 Stainless Steel, Add	*86.24*	
		For 5/8" Clear Opening, Add	*34.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.66*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	125.18	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.78*	
		For 304 Stainless Steel, Add	*103.49*	
		For 5/8" Clear Opening, Add	*41.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.16*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	135.43	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.28*	
		For 304 Stainless Steel, Add	*112.30*	
		For 5/8" Clear Opening, Add	*45.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.42*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	158.32	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.37*	
		For 304 Stainless Steel, Add	*131.96*	
		For 5/8" Clear Opening, Add	*53.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.99*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	166.30	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.76*	
		For 304 Stainless Steel, Add	*138.81*	
		For 5/8" Clear Opening, Add	*55.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-7.19*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	173.40	2.35
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*144.91*	
		For 5/8" Clear Opening, Add	*58.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-7.37*	
05 53 13 00-0078		**Aluminum, Riveted Grating** *(05 53 13 00-0064)* Note: 1" clear opening, bolted in place and in all sizes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	44.63	1.92
		For 5/8" Clear Opening, Add	*14.08*	
		For Powder Coating, Add	*6.12*	
		For Set In Place Without Bolting, Deduct	*-3.59*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	52.70	1.92
		For 5/8" Clear Opening, Add	*16.86*	
		For Powder Coating, Add	*7.33*	
		For Set In Place Without Bolting, Deduct	*-3.79*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	48.94	1.92
		For 5/8" Clear Opening, Add	*15.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.77*	
		For Set In Place Without Bolting, Deduct	*-3.69*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	56.83	1.92
		For 5/8" Clear Opening, Add	*18.29*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.95*	
		For Set In Place Without Bolting, Deduct	*-3.89*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	54.71	1.92
		For 5/8" Clear Opening, Add	*17.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.63*	
		For Set In Place Without Bolting, Deduct	*-3.84*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	65.66	1.92
		For 5/8" Clear Opening, Add	*21.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.27*	
		For Set In Place Without Bolting, Deduct	*-4.11*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	58.66	1.92
		For 5/8" Clear Opening, Add	*18.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.22*	
		For Set In Place Without Bolting, Deduct	*-3.94*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	72.55	1.92
		For 5/8" Clear Opening, Add	*23.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.31*	
		For Set In Place Without Bolting, Deduct	*-4.28*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	79.84	1.92
		For 5/8" Clear Opening, Add	*26.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.40*	
		For Set In Place Without Bolting, Deduct	*-4.47*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	94.81	1.92
		For 5/8" Clear Opening, Add	*31.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.65*	
		For Set In Place Without Bolting, Deduct	*-4.84*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	103.30	1.92
		For 5/8" Clear Opening, Add	*34.32*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.92*	
		For Set In Place Without Bolting, Deduct	*-5.05*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	114.69	1.92
		For 5/8" Clear Opening, Add	*38.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.63*	
		For Set In Place Without Bolting, Deduct	*-5.34*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	19.50	2.26
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	22.06	2.26
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	27.21	2.26
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	36.18	2.44
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	45.40	2.61

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	32.43	1.92
		For Powder Coating, Add	*4.29*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	37.20	2.26
		For Powder Coating, Add	*4.93*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	41.98	2.44
		For Powder Coating, Add	*5.57*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	40.62	2.61
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	48.48	2.96
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	62.54	3.48

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0001			**Abrasive Cast Aluminum Stair Treads** *(05 55 13)* Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
	05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	76.25	7.76
			For 3/8" Thick, Add	*15.96*	
	05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	83.85	7.76
			For 3/8" Thick, Add	*17.86*	
	05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	91.44	7.76
			For 3/8" Thick, Add	*19.76*	
	05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	99.07	7.76
			For 3/8" Thick, Add	*21.66*	
	05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	106.63	7.76
			For 3/8" Thick, Add	*23.55*	
05 55 13 00-0007			**Abrasive Cast Iron Stair Treads** *(05 55 13)* Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
	05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	105.74	7.76
	05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	117.01	7.76
	05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	128.30	7.76
	05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	139.56	7.76
	05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	150.85	7.76
05 55 13 00-0013			**Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads** *(05 55 13)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
	05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	40.68	7.76
	05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	47.57	7.76
	05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	50.61	7.76
05 55 13 00-0017			**Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads** *(05 55 13)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
	05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	59.70	7.76
			For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
			For Two Color Tread, Add	*3.59*	
	05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	60.27	7.76
			For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
			For Two Color Tread, Add	*3.59*	
	05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	72.66	7.76
			For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
			For Two Color Tread, Add	*3.59*	
	05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	83.52	7.76
			For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
			For Two Color Tread, Add	*3.59*	
	05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	97.68	7.76
			For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
			For Two Color Tread, Add	*3.59*	
05 55 13 00-0023			**Stair Landing Treads** *(05 55 13)*		
05 55 13 00-0024			**Abrasive Cast Aluminum Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	106.63	7.76
			For 3/8" Thick, Add	*23.55*	
05 55 13 00-0026			**Abrasive Cast Iron Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	150.85	7.76
05 55 13 00-0028			**Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
	05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	98.92	7.76
			For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
05 55 16			**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001			**Abrasive Cast Aluminum Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	32.44	5.29
			For 3/8" Thick, Add	*5.99*	
	05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	39.78	5.29
			For 3/8" Thick, Add	*7.83*	
	05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	56.14	5.29
			For 3/8" Thick, Add	*11.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0005		Abrasive Cast Iron Nosings *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	37.80	5.29
		For 3/8" Thick, Add	*7.33*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	46.84	5.29
		For 3/8" Thick, Add	*9.59*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	64.71	5.29
		For 3/8" Thick, Add	*14.06*	
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	27.47	5.29
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.01	5.29
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.71	5.29
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	42.10	5.29
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.42	5.29
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.44	5.29
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	34.43	5.29
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	32.61	5.29

05 58 Formed Metal Fabrications *(05 50)*

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001		Drip Pan *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	117.53	7.07
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	116.10	7.07
05 58 16 00-0004	SF	Aluminum Drip Pan	81.49	5.66
05 58 16 00-0005	SF	Plastic Drip Pan	21.11	4.94

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001		Protective Guard Rails *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	219.64	25.41
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	257.67	25.41
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	293.54	25.41
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	331.57	25.41
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	367.64	25.41
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	414.41	25.41
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	446.27	25.41
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	495.60	25.41
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	527.97	25.41
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	551.10	25.41
05 58 23 00-0014		Posts For 2-Rib Guard Rails *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	442.97	52.93
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	575.04	52.93
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Steel Guard.		
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	242.56	25.41
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	267.84	25.41
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	299.40	25.41
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	328.89	25.41
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	363.02	25.41
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	379.46	25.41
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	419.03	25.41
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	452.43	25.41
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	487.89	25.41
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	523.86	25.41
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	356.34	25.41
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	384.09	25.41
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	412.86	25.41
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	446.27	25.41
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	479.67	25.41
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	506.91	25.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	538.25	25.41
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	573.71	25.41
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	611.74	25.41
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	645.14	25.41
05 58 23 00-0040		Posts For 3-Rib Guard Rails *(05 58 23 00-0017)*		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	390.35	52.93
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	497.44	52.93
05 58 23 00-0043		All-Welded, Protective Guards *(05 58 23)*		
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	509.61	70.58
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	535.30	70.58
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	550.21	70.58
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	572.30	70.58
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	567.16	70.58
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	594.40	70.58
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	602.11	70.58
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	610.84	70.58
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	652.47	70.58
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	668.91	70.58
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	699.75	70.58
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	712.59	70.58
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	775.80	70.58
05 58 23 00-0059		Warehouse Safety Bollards *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	317.65	52.93
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	368.42	52.93
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	422.17	52.93
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	436.87	52.93
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	470.79	52.93

05 59 Metal Specialties *(05 50)*

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001		Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*		
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	7.19	1.70
		For Plastic Dipped, Add	*0.57*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	10.07	2.27
		For Plastic Dipped, Add	*0.83*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	16.53	4.54
		For Plastic Dipped, Add	*1.12*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	26.76	7.66
		For Plastic Dipped, Add	*1.72*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	45.19	12.94
		For Plastic Dipped, Add	*2.90*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	63.42	18.16
		For Plastic Dipped, Add	*4.07*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	85.13	22.70
		For Plastic Dipped, Add	*5.96*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	121.45	30.26
		For Plastic Dipped, Add	*9.14*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	195.05	45.40
		For Plastic Dipped, Add	*15.64*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 73 Decorative Metal Railings *(05 70)*

05 73 23 Decorative Metal Railings *(05 73)*

05 73 23 00-0001		Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers *(05 73 23)*		
		Note: Includes railing with pickets on 4-1/2" centers, posts with flanged base, brackets and stainless steel expansion anchors. Includes baked on enamel or satin anodized finish.		
05 73 23 00-0002	LF	32" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	243.41	26.11
		For 4' Post Spacing, Add	*36.24*	
		For Balconies, Add	*26.55*	
05 73 23 00-0003	LF	36" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	249.35	26.45
		For 4' Post Spacing, Add	*36.99*	
		For Balconies, Add	*26.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0004	LF	42" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	251.39	26.87
		For 4' Post Spacing, Add	*36.01*	
		For Balconies, Add	*27.42*	
05 73 23 00-0005	LF	48" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	258.98	27.30
		For 4' Post Spacing, Add	*36.84*	
		For Balconies, Add	*27.86*	
05 73 23 00-0006	LF	60" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	274.02	27.73
		For 4' Post Spacing, Add	*38.51*	
		For Balconies, Add	*28.73*	

05 73 23 00-0007 Aluminum Picket Railing With 4" Square Posts On 6' Centers *(05 73 23)*

Note: Includes railing with pickets on 4-1/2" centers, posts with flanged base, brackets and stainless steel expansion anchors. Includes baked on enamel or satin anodized finish.

05 73 23 00-0008	LF	32" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	272.20	26.11
		For 4' Post Spacing, Add	*45.83*	
		For Balconies, Add	*26.55*	
05 73 23 00-0009	LF	36" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	281.65	26.45
		For 4' Post Spacing, Add	*47.76*	
		For Balconies, Add	*26.99*	
05 73 23 00-0010	LF	42" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	291.74	26.87
		For 4' Post Spacing, Add	*49.47*	
		For Balconies, Add	*27.42*	
05 73 23 00-0011	LF	48" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	301.96	27.30
		For 4' Post Spacing, Add	*51.17*	
		For Balconies, Add	*27.86*	
05 73 23 00-0012	LF	60" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	322.27	27.73
		For 4' Post Spacing, Add	*54.60*	
		For Balconies, Add	*28.73*	

05 73 23 00-0013 Remove And Reinstall Ornamental Railing *(05 73 23)*

05 73 23 00-0014	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	160.17	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.77	2.76
		For Zinc-Tin Coated Copper, Add	*5.63*	
		For >16 To 200, Deduct	*-1.65*	
		For >200 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-4.73*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	35.77	3.06
		For Zinc-Tin Coated Copper, Add	*7.31*	
		For >16 To 200, Deduct	*-2.02*	
		For >200 To 500, Deduct	*-4.04*	
		For >500, Deduct	*-5.83*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	39.15	3.31
		For Zinc-Tin Coated Copper, Add	*8.03*	
		For >16 To 200, Deduct	*-2.21*	
		For >200 To 500, Deduct	*-4.41*	
		For >500, Deduct	*-6.37*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	42.23	3.48
		For Zinc-Tin Coated Copper, Add	*8.74*	
		For >16 To 200, Deduct	*-2.37*	
		For >200 To 500, Deduct	*-4.75*	
		For >500, Deduct	*-6.86*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	48.02	3.63
		For Zinc-Tin Coated Copper, Add	*10.20*	
		For >16 To 200, Deduct	*-2.67*	
		For >200 To 500, Deduct	*-5.35*	
		For >500, Deduct	*-7.75*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	60.51	3.81
		For Zinc-Tin Coated Copper, Add	*13.49*	
		For >16 To 200, Deduct	*-3.31*	
		For >200 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.65*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	70.70	3.98
		For Zinc-Tin Coated Copper, Add	*16.16*	
		For >16 To 200, Deduct	*-3.83*	
		For >200 To 500, Deduct	*-7.67*	
		For >500, Deduct	*-11.20*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	85.40	4.30
		For Zinc-Tin Coated Copper, Add	*19.93*	
		For >16 To 200, Deduct	*-4.59*	
		For >200 To 500, Deduct	*-9.19*	
		For >500, Deduct	*-13.46*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	104.63	4.63
		For Zinc-Tin Coated Copper, Add	*24.95*	
		For >16 To 200, Deduct	*-5.58*	
		For >200 To 500, Deduct	*-11.16*	
		For >500, Deduct	*-16.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	152.89	4.97
		For Zinc-Tin Coated Copper, Add	*37.94*	
		For >16 To 200, Deduct	*-8.02*	
		For >200 To 500, Deduct	*-16.04*	
		For >500, Deduct	*-23.68*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.84	3.93
		For >16 To 200, Deduct	*-1.24*	
		For >200 To 500, Deduct	*-2.47*	
		For >500, Deduct	*-3.41*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	21.04	4.23
		For >16 To 200, Deduct	*-1.37*	
		For >200 To 500, Deduct	*-2.74*	
		For >500, Deduct	*-3.79*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	22.69	4.45
		For >16 To 200, Deduct	*-1.47*	
		For >200 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-4.07*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	25.84	4.65
		For >16 To 200, Deduct	*-1.64*	
		For >200 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.58*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	28.92	4.86
		For >16 To 200, Deduct	*-1.81*	
		For >200 To 500, Deduct	*-3.62*	
		For >500, Deduct	*-5.07*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	32.71	5.08
		For >16 To 200, Deduct	*-2.02*	
		For >200 To 500, Deduct	*-4.03*	
		For >500, Deduct	*-5.67*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	45.23	5.92
		For >16 To 200, Deduct	*-2.71*	
		For >200 To 500, Deduct	*-5.41*	
		For >500, Deduct	*-7.67*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	58.87	6.28
		For >16 To 200, Deduct	*-3.42*	
		For >200 To 500, Deduct	*-6.83*	
		For >500, Deduct	*-9.78*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	79.27	7.63
		For >16 To 200, Deduct	*-4.54*	
		For >200 To 500, Deduct	*-9.07*	
		For >500, Deduct	*-13.03*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	126.41	8.17
		For >16 To 200, Deduct	*-6.93*	
		For >200 To 500, Deduct	*-13.87*	
		For >500, Deduct	*-20.19*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	160.51	9.51
		For >16 To 200, Deduct	*-8.74*	
		For >200 To 500, Deduct	*-17.48*	
		For >500, Deduct	*-25.51*	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	12.57	2.76
		For >16 To 200, Deduct	*-0.84*	
		For >200 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.30*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	14.26	3.06
		For >16 To 200, Deduct	*-0.94*	
		For >200 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.60*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	15.89	3.31
		For >16 To 200, Deduct	*-1.04*	
		For >200 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-2.88*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	17.54	3.48
		For >16 To 200, Deduct	*-1.14*	
		For >200 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.15*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	19.20	3.63
		For >16 To 200, Deduct	*-1.23*	
		For >200 To 500, Deduct	*-2.47*	
		For >500, Deduct	*-3.43*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	21.02	3.81
		For >16 To 200, Deduct	*-1.34*	
		For >200 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.73*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	23.23	3.98
		For >16 To 200, Deduct	*-1.46*	
		For >200 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-4.08*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	27.61	4.63
		For >16 To 200, Deduct	*-1.73*	
		For >200 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0034		Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.03	2.76
		For >16 To 200, Deduct	*-0.76*	
		For >200 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.07*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.23	3.06
		For >16 To 200, Deduct	*-0.84*	
		For >200 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.29*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.05	3.31
		For >16 To 200, Deduct	*-0.90*	
		For >200 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.46*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.82	3.48
		For >16 To 200, Deduct	*-0.95*	
		For >200 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.60*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.82	3.63
		For >16 To 200, Deduct	*-1.01*	
		For >200 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.77*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	15.88	3.81
		For >16 To 200, Deduct	*-1.08*	
		For >200 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.95*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	17.51	3.98
		For >16 To 200, Deduct	*-1.17*	
		For >200 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.22*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	19.93	4.30
		For >16 To 200, Deduct	*-1.32*	
		For >200 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.64*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	22.98	4.97
		For >16 To 200, Deduct	*-1.52*	
		For >200 To 500, Deduct	*-3.04*	
		For >500, Deduct	*-4.19*	
05 75 00 00-0044		Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	13.78	2.62
		For >16 To 200, Deduct	*-0.95*	
		For >200 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.59*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	15.85	2.95
		For >16 To 200, Deduct	*-1.09*	
		For >200 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.97*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	17.87	3.28
		For >16 To 200, Deduct	*-1.22*	
		For >200 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-3.34*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	19.64	3.55
		For >16 To 200, Deduct	*-1.34*	
		For >200 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.66*	

END OF SECTION 05

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 **Threaded Anchor Bolts** *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt		15.78	
		For >10 To 50, Deduct		*-0.50*	
		For >50 To 100, Deduct		*-1.15*	
		For >100 To 250, Deduct		*-2.30*	
		For >250 To 500, Deduct		*-3.96*	
		For >500, Deduct		*-5.61*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt		20.78	
		For >10 To 50, Deduct		*-0.54*	
		For >50 To 100, Deduct		*-1.33*	
		For >100 To 250, Deduct		*-2.67*	
		For >250 To 500, Deduct		*-4.54*	
		For >500, Deduct		*-6.42*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt		22.74	
		For >10 To 50, Deduct		*-0.54*	
		For >50 To 100, Deduct		*-1.38*	
		For >100 To 250, Deduct		*-2.76*	
		For >250 To 500, Deduct		*-4.69*	
		For >500, Deduct		*-6.61*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt		44.45	
		For >10 To 50, Deduct		*-0.74*	
		For >50 To 100, Deduct		*-2.23*	
		For >100 To 250, Deduct		*-4.45*	
		For >250 To 500, Deduct		*-7.42*	
		For >500, Deduct		*-10.39*	

06 05 23 00-0006 **Framing Anchors** *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)		8.76	4.23
		For >10 To 50, Deduct		*-0.40*	
		For >50 To 100, Deduct		*-0.82*	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.87*	
		For >500, Deduct		*-4.10*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)		9.80	4.66
		For >10 To 50, Deduct		*-0.45*	
		For >50 To 100, Deduct		*-0.93*	
		For >100 To 250, Deduct		*-1.85*	
		For >250 To 500, Deduct		*-3.23*	
		For >500, Deduct		*-4.61*	

06 05 23 00-0009 **Angle Anchors** *(06 05 23)*

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)		8.85	4.23
		For >10 To 50, Deduct		*-0.40*	
		For >50 To 100, Deduct		*-0.83*	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.88*	
		For >500, Deduct		*-4.11*	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)		9.67	4.51
		For >10 To 50, Deduct		*-0.43*	
		For >50 To 100, Deduct		*-0.89*	
		For >100 To 250, Deduct		*-1.78*	
		For >250 To 500, Deduct		*-3.09*	
		For >500, Deduct		*-4.41*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)		15.49	4.66
		For >10 To 50, Deduct		*-0.45*	
		For >50 To 100, Deduct		*-1.07*	
		For >100 To 250, Deduct		*-2.14*	
		For >250 To 500, Deduct		*-3.66*	
		For >500, Deduct		*-5.18*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)		14.13	4.66
		For >10 To 50, Deduct		*-0.45*	
		For >50 To 100, Deduct		*-1.03*	
		For >100 To 250, Deduct		*-2.07*	
		For >250 To 500, Deduct		*-3.55*	
		For >500, Deduct		*-5.04*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)		15.46	5.22
		For >10 To 50, Deduct		*-0.50*	
		For >50 To 100, Deduct		*-1.14*	
		For >100 To 250, Deduct		*-2.27*	
		For >250 To 500, Deduct		*-3.91*	
		For >500, Deduct		*-5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	17.40	5.50
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-2.48*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-6.03*	
06 05 23 00-0016		**Reinforcing Angle Wood Construction Connectors** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	9.57	3.95
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.18*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	11.54	4.23
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-4.57*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.94	4.37
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.82*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	14.25	4.51
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.61*	
		For >500, Deduct	*-5.13*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	10.30	3.95
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.25*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	11.29	4.23
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-3.20*	
		For >500, Deduct	*-4.55*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.88	4.37
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.39*	
		For >500, Deduct	*-4.82*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	15.03	4.51
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.67*	
		For >500, Deduct	*-5.20*	
06 05 23 00-0025		**Hold Down Anchors** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	66.23	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 250, Deduct	*-9.87*	
		For >250 To 500, Deduct	*-17.00*	
		For >500, Deduct	*-24.12*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	89.37	
		For >10 To 50, Deduct	*-2.26*	
		For >50 To 100, Deduct	*-5.62*	
		For >100 To 250, Deduct	*-11.24*	
		For >250 To 500, Deduct	*-19.12*	
		For >500, Deduct	*-27.00*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	108.60	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 250, Deduct	*-12.63*	
		For >250 To 500, Deduct	*-21.34*	
		For >500, Deduct	*-30.05*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	127.54	
		For >10 To 50, Deduct	*-2.68*	
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 250, Deduct	*-14.42*	
		For >250 To 500, Deduct	*-24.31*	
		For >500, Deduct	*-34.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	202.57	
		For >10 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-10.14*	
		For >100 To 250, Deduct	*-20.29*	
		For >250 To 500, Deduct	*-33.82*	
		For >500, Deduct	*-47.35*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	268.48	
		For >10 To 50, Deduct	*-3.53*	
		For >50 To 100, Deduct	*-12.00*	
		For >100 To 250, Deduct	*-24.01*	
		For >250 To 500, Deduct	*-39.53*	
		For >500, Deduct	*-55.06*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	76.34	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-10.38*	
		For >250 To 500, Deduct	*-17.75*	
		For >500, Deduct	*-25.13*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	83.79	
		For >10 To 50, Deduct	*-2.26*	
		For >50 To 100, Deduct	*-5.48*	
		For >100 To 250, Deduct	*-10.96*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.44*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	93.29	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-11.86*	
		For >250 To 500, Deduct	*-20.19*	
		For >500, Deduct	*-28.52*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	114.01	
		For >10 To 50, Deduct	*-2.68*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-13.74*	
		For >250 To 500, Deduct	*-23.29*	
		For >500, Deduct	*-32.85*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	146.54	
		For >10 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 250, Deduct	*-17.49*	
		For >250 To 500, Deduct	*-29.61*	
		For >500, Deduct	*-41.74*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	162.62	
		For >10 To 50, Deduct	*-3.53*	
		For >50 To 100, Deduct	*-9.36*	
		For >100 To 250, Deduct	*-18.71*	
		For >250 To 500, Deduct	*-31.60*	
		For >500, Deduct	*-44.48*	

06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	9.22	3.95
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.91*	
		For >500, Deduct	*-4.15*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	10.18	4.23
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-4.44*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	13.61	4.37
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.45*	
		For >500, Deduct	*-4.89*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	14.73	4.51
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-5.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	21.56	4.80
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 500, Deduct	*-4.24*	
		For >500, Deduct	*-5.96*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	25.37	4.94
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.59*	
		For >500, Deduct	*-6.45*	

06 05 23 00-0045 Anchor And Ties *(06 05 23)*

Note: Including nails.

06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4) Note: Includes nails. Excludes anchor bolt.	37.05	
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5) Note: Includes nails. Excludes anchor bolt.	45.85	
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.31	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	5.90	

06 05 23 00-0050 Hurricane Ties *(06 05 23)*

06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	10.28	4.37
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.45*	
		For >500, Deduct	*-4.92*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.59	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.70	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	12.18	4.37
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.59*	
		For >500, Deduct	*-5.11*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	18.44	

06 05 23 00-0056 Post Column Bases *(06 05 23)*

Note: Including nails.

06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	33.73	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	51.06	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	52.61	

06 05 23 00-0060 Post Column Caps *(06 05 23)*

Note: Including nails.

06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	19.66	4.94
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.31*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	40.65	4.94
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.65*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4) Note: Excludes field welding	194.64	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 250, Deduct	*-13.97*	
		For >250 To 500, Deduct	*-22.36*	
		For >500, Deduct	*-30.75*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	203.21	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-23.97*	
		For >500, Deduct	*-33.02*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44) Note: Excludes field welding	127.24	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-10.60*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-24.01*	
		For Hot Dipped Galvanized, Add	*44.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	199.11	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-23.66*	
		For >500, Deduct	*-32.61*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48) Note: Excludes field welding	207.96	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 250, Deduct	*-15.16*	
		For >250 To 500, Deduct	*-24.33*	
		For >500, Deduct	*-33.49*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	212.08	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 250, Deduct	*-15.15*	
		For >250 To 500, Deduct	*-24.25*	
		For >500, Deduct	*-33.34*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	214.90	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-15.72*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-34.75*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	214.90	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-15.72*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-34.75*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	246.81	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 250, Deduct	*-16.89*	
		For >250 To 500, Deduct	*-26.85*	
		For >500, Deduct	*-36.81*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	249.63	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 250, Deduct	*-17.45*	
		For >250 To 500, Deduct	*-27.84*	
		For >500, Deduct	*-38.22*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	249.63	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 250, Deduct	*-17.45*	
		For >250 To 500, Deduct	*-27.84*	
		For >500, Deduct	*-38.22*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	300.58	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-9.79*	
		For >100 To 250, Deduct	*-19.58*	
		For >250 To 500, Deduct	*-30.88*	
		For >500, Deduct	*-42.19*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	303.40	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-10.07*	
		For >100 To 250, Deduct	*-20.14*	
		For >250 To 500, Deduct	*-31.87*	
		For >500, Deduct	*-43.60*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	303.40	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-10.07*	
		For >100 To 250, Deduct	*-20.14*	
		For >250 To 500, Deduct	*-31.87*	
		For >500, Deduct	*-43.60*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4) Note: Excludes field welding	194.64	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 250, Deduct	*-13.97*	
		For >250 To 500, Deduct	*-22.36*	
		For >500, Deduct	*-30.75*	
		For Hot Dipped Galvanized, Add	*74.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	203.21	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-23.97*	
		For >500, Deduct	*-33.02*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44) Note: Excludes field welding	127.24	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-10.60*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-24.01*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	199.11	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-23.66*	
		For >500, Deduct	*-32.61*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48) Note: Excludes field welding	207.96	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 250, Deduct	*-15.16*	
		For >250 To 500, Deduct	*-24.33*	
		For >500, Deduct	*-33.49*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	212.08	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 250, Deduct	*-15.15*	
		For >250 To 500, Deduct	*-24.25*	
		For >500, Deduct	*-33.34*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	214.90	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-15.72*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-34.75*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	214.90	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-15.72*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-34.75*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	246.81	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 250, Deduct	*-16.89*	
		For >250 To 500, Deduct	*-26.85*	
		For >500, Deduct	*-36.81*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	249.63	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 250, Deduct	*-17.45*	
		For >250 To 500, Deduct	*-27.84*	
		For >500, Deduct	*-38.22*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	249.63	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 250, Deduct	*-17.45*	
		For >250 To 500, Deduct	*-27.84*	
		For >500, Deduct	*-38.22*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	300.58	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-9.79*	
		For >100 To 250, Deduct	*-19.58*	
		For >250 To 500, Deduct	*-30.88*	
		For >500, Deduct	*-42.19*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	303.40	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-10.07*	
		For >100 To 250, Deduct	*-20.14*	
		For >250 To 500, Deduct	*-31.87*	
		For >500, Deduct	*-43.60*	
		For Hot Dipped Galvanized, Add	*121.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	303.40	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-10.07*	
		For >100 To 250, Deduct	*-20.14*	
		For >250 To 500, Deduct	*-31.87*	
		For >500, Deduct	*-43.60*	
		For Hot Dipped Galvanized, Add	*121.61*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	11.89	4.37
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.08*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.72	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.45*	
		For >500, Deduct	*-9.21*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.88	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.22*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.98	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-6.47*	
		For >500, Deduct	*-9.23*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.10	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.67*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.57	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-6.97*	
		For >500, Deduct	*-9.96*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.25	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-7.49*	
		For >500, Deduct	*-10.69*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.51	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.30*	
		For >250 To 500, Deduct	*-7.51*	
		For >500, Deduct	*-10.72*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.94	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-5.16*	
		For >250 To 500, Deduct	*-9.01*	
		For >500, Deduct	*-12.85*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.14	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.56*	
		For >500, Deduct	*-13.64*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.75	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 250, Deduct	*-6.08*	
		For >250 To 500, Deduct	*-10.60*	
		For >500, Deduct	*-15.13*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.81	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.53*	
		For >500, Deduct	*-10.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.90	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 500, Deduct	*-8.07*	
		For >500, Deduct	*-11.52*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.53	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.92*	
		For >250 To 500, Deduct	*-8.58*	
		For >500, Deduct	*-12.25*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.74	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-9.60*	
		For >500, Deduct	*-13.70*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	34.89	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-6.40*	
		For >250 To 500, Deduct	*-11.15*	
		For >500, Deduct	*-15.91*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.95	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-7.03*	
		For >250 To 500, Deduct	*-12.23*	
		For >500, Deduct	*-17.44*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.65	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-9.28*	
		For >500, Deduct	*-13.23*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.12	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 500, Deduct	*-9.86*	
		For >500, Deduct	*-14.04*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	39.52	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-6.63*	
		For >250 To 500, Deduct	*-11.50*	
		For >500, Deduct	*-16.37*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	44.06	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-7.07*	
		For >250 To 500, Deduct	*-12.23*	
		For >500, Deduct	*-17.39*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.85	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-7.68*	
		For >250 To 500, Deduct	*-13.29*	
		For >500, Deduct	*-18.89*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	48.90	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-3.97*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-13.75*	
		For >500, Deduct	*-19.56*	

06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.01	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-6.47*	
		For >500, Deduct	*-9.24*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.32	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-9.27*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.66	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-9.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.25	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.56*	
		For >500, Deduct	*-10.79*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.98	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-7.00*	
		For >500, Deduct	*-10.00*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.89	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 500, Deduct	*-7.54*	
		For >500, Deduct	*-10.75*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.27	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.56*	
		For >500, Deduct	*-10.79*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.09	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-9.09*	
		For >500, Deduct	*-12.97*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.43	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-9.66*	
		For >500, Deduct	*-13.77*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.95	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.07*	
		For >100 To 250, Deduct	*-6.14*	
		For >250 To 500, Deduct	*-10.69*	
		For >500, Deduct	*-15.25*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.77	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.84*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.66	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.67*	
		For >250 To 500, Deduct	*-8.13*	
		For >500, Deduct	*-11.59*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.43	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-8.65*	
		For >500, Deduct	*-12.34*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.04	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-5.57*	
		For >250 To 500, Deduct	*-9.70*	
		For >500, Deduct	*-13.83*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	36.16	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-6.46*	
		For >250 To 500, Deduct	*-11.25*	
		For >500, Deduct	*-16.03*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.93	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-7.08*	
		For >250 To 500, Deduct	*-12.31*	
		For >500, Deduct	*-17.54*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.55	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-9.50*	
		For >500, Deduct	*-13.52*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.14	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-10.01*	
		For >500, Deduct	*-14.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	40.96	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-6.70*	
		For >250 To 500, Deduct	*-11.61*	
		For >500, Deduct	*-16.51*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	43.95	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-7.07*	
		For >250 To 500, Deduct	*-12.22*	
		For >500, Deduct	*-17.38*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	49.72	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-7.78*	
		For >250 To 500, Deduct	*-13.43*	
		For >500, Deduct	*-19.08*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	52.80	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 250, Deduct	*-8.14*	
		For >250 To 500, Deduct	*-14.05*	
		For >500, Deduct	*-19.95*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.82	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.74*	
		For >250 To 500, Deduct	*-6.53*	
		For >500, Deduct	*-9.32*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.44	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 500, Deduct	*-6.65*	
		For >500, Deduct	*-9.48*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.50	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.88*	
		For >250 To 500, Deduct	*-6.73*	
		For >500, Deduct	*-9.59*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	36.72	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.01*	
		For >250 To 500, Deduct	*-8.57*	
		For >500, Deduct	*-12.14*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.73	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-7.14*	
		For >500, Deduct	*-10.17*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.49	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.81*	
		For >500, Deduct	*-11.11*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.99	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.84*	
		For >500, Deduct	*-11.16*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	48.12	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-10.59*	
		For >500, Deduct	*-14.97*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	57.96	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 250, Deduct	*-6.92*	
		For >250 To 500, Deduct	*-11.72*	
		For >500, Deduct	*-16.52*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	64.88	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-7.69*	
		For >250 To 500, Deduct	*-13.01*	
		For >500, Deduct	*-18.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.38	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.95*	
		For >500, Deduct	*-11.30*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	32.04	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.49*	
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-12.23*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	38.37	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-9.47*	
		For >500, Deduct	*-13.43*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	59.45	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-6.99*	
		For >250 To 500, Deduct	*-11.83*	
		For >500, Deduct	*-16.67*	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	67.25	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-4.01*	
		For >100 To 250, Deduct	*-8.02*	
		For >250 To 500, Deduct	*-13.58*	
		For >500, Deduct	*-19.14*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	103.54	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-5.13*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-17.08*	
		For >500, Deduct	*-23.90*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	80.48	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-13.41*	
		For >500, Deduct	*-18.77*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	113.00	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 250, Deduct	*-10.31*	
		For >250 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-23.72*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	124.95	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-5.56*	
		For >100 To 250, Deduct	*-11.12*	
		For >250 To 500, Deduct	*-18.30*	
		For >500, Deduct	*-25.48*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	182.70	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 250, Deduct	*-14.43*	
		For >250 To 500, Deduct	*-23.40*	
		For >500, Deduct	*-32.38*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	192.12	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.55*	
		For >100 To 250, Deduct	*-15.11*	
		For >250 To 500, Deduct	*-24.50*	
		For >500, Deduct	*-33.88*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	27.30	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-10.07*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	30.14	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.35*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	32.52	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.87*	
		For >500, Deduct	*-11.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	37.87	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-5.07*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-12.25*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	50.51	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 250, Deduct	*-5.70*	
		For >250 To 500, Deduct	*-9.61*	
		For >500, Deduct	*-13.52*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	54.99	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-3.07*	
		For >100 To 250, Deduct	*-6.14*	
		For >250 To 500, Deduct	*-10.33*	
		For >500, Deduct	*-14.53*	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	59.22	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-3.28*	
		For >100 To 250, Deduct	*-6.56*	
		For >250 To 500, Deduct	*-11.04*	
		For >500, Deduct	*-15.51*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.87	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.19*	
		For >500, Deduct	*-8.84*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	18.01	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.86*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	18.30	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.89*	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	19.66	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-6.76*	
		For >500, Deduct	*-9.65*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.31	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-7.26*	
		For >500, Deduct	*-10.37*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	21.63	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-10.40*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	26.40	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-8.78*	
		For >500, Deduct	*-12.52*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	27.96	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-5.31*	
		For >250 To 500, Deduct	*-9.27*	
		For >500, Deduct	*-13.23*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	21.67	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.33*	
		For >500, Deduct	*-10.47*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	23.51	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-11.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	25.49	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.80*	
		For >250 To 500, Deduct	*-8.38*	
		For >500, Deduct	*-11.95*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	28.95	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.40*	
		For >500, Deduct	*-13.41*	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	34.01	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-10.92*	
		For >500, Deduct	*-15.57*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	37.11	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-3.42*	
		For >100 To 250, Deduct	*-6.83*	
		For >250 To 500, Deduct	*-11.91*	
		For >500, Deduct	*-16.99*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	30.89	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-9.54*	
		For >500, Deduct	*-13.60*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	36.71	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-6.40*	
		For >250 To 500, Deduct	*-11.12*	
		For >500, Deduct	*-15.84*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	40.30	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.79*	
		For >250 To 500, Deduct	*-11.77*	
		For >500, Deduct	*-16.75*	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	45.09	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-7.44*	
		For >250 To 500, Deduct	*-12.89*	
		For >500, Deduct	*-18.34*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	50.04	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.90*	
		For >250 To 500, Deduct	*-13.64*	
		For >500, Deduct	*-19.39*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.94	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.85*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.16	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-6.21*	
		For >500, Deduct	*-8.87*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.38	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-6.23*	
		For >500, Deduct	*-8.89*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.78	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-6.77*	
		For >500, Deduct	*-9.67*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.49	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-7.27*	
		For >500, Deduct	*-10.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.86	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.18*	
		For >250 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.42*	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.83	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-5.05*	
		For >250 To 500, Deduct	*-8.81*	
		For >500, Deduct	*-12.57*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.68	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-9.32*	
		For >500, Deduct	*-13.30*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.00	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.50*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.70	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.86*	
		For >500, Deduct	*-11.22*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	25.81	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-8.40*	
		For >500, Deduct	*-11.99*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	29.93	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.47*	
		For >500, Deduct	*-13.51*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	34.49	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-6.29*	
		For >250 To 500, Deduct	*-10.96*	
		For >500, Deduct	*-15.62*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	38.29	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.89*	
		For >250 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-17.11*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.61	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-9.60*	
		For >500, Deduct	*-13.67*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	37.37	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-6.43*	
		For >250 To 500, Deduct	*-11.17*	
		For >500, Deduct	*-15.91*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	41.40	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-3.42*	
		For >100 To 250, Deduct	*-6.84*	
		For >250 To 500, Deduct	*-11.85*	
		For >500, Deduct	*-16.86*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	47.69	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-3.79*	
		For >100 To 250, Deduct	*-7.57*	
		For >250 To 500, Deduct	*-13.09*	
		For >500, Deduct	*-18.60*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	52.82	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-8.04*	
		For >250 To 500, Deduct	*-13.85*	
		For >500, Deduct	*-19.67*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.66	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-6.25*	
		For >500, Deduct	*-8.92*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	19.42	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-9.00*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	21.48	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.20*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	21.82	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.92*	
		For >500, Deduct	*-9.87*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	24.34	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.49*	
		For >500, Deduct	*-10.67*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.66	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-10.80*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	48.13	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.41*	
		For >500, Deduct	*-14.70*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	65.57	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-7.19*	
		For >250 To 500, Deduct	*-12.09*	
		For >500, Deduct	*-16.99*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.86	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.89*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	29.99	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.85*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	36.12	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.33*	
		For >250 To 500, Deduct	*-9.17*	
		For >500, Deduct	*-13.02*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	69.49	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.71*	
		For >100 To 250, Deduct	*-7.42*	
		For >250 To 500, Deduct	*-12.44*	
		For >500, Deduct	*-17.46*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	93.31	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-9.23*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.50*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	108.43	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.20*	
		For >100 To 250, Deduct	*-10.40*	
		For >250 To 500, Deduct	*-17.26*	
		For >500, Deduct	*-24.12*	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	99.52	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 250, Deduct	*-8.92*	
		For >250 To 500, Deduct	*-14.69*	
		For >500, Deduct	*-20.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	113.84	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-5.13*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-16.91*	
		For >500, Deduct	*-23.56*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	118.50	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.35*	
		For >100 To 250, Deduct	*-10.70*	
		For >250 To 500, Deduct	*-17.64*	
		For >500, Deduct	*-24.57*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	161.92	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-13.28*	
		For >250 To 500, Deduct	*-21.65*	
		For >500, Deduct	*-30.02*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	176.27	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 250, Deduct	*-14.21*	
		For >250 To 500, Deduct	*-23.11*	
		For >500, Deduct	*-32.02*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.73
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.78
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.85
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	3.05

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.56
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.60
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.67
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.83
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.60
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.64
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.71
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	2.92

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	42.83	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-6.52*	
		For >250 To 500, Deduct	*-11.24*	
		For >500, Deduct	*-15.96*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	48.36	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-7.32*	
		For >250 To 500, Deduct	*-12.61*	
		For >500, Deduct	*-17.91*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	52.18	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 250, Deduct	*-7.83*	
		For >250 To 500, Deduct	*-13.49*	
		For >500, Deduct	*-19.14*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	57.94	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-8.42*	
		For >250 To 500, Deduct	*-14.47*	
		For >500, Deduct	*-20.51*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	61.63	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 250, Deduct	*-8.90*	
		For >250 To 500, Deduct	*-15.29*	
		For >500, Deduct	*-21.68*	
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	64.01	
		For >10 To 50, Deduct	*-2.02*	
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 250, Deduct	*-9.27*	
		For >250 To 500, Deduct	*-15.94*	
		For >500, Deduct	*-22.60*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	57.25	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-4.04*	
		For >100 To 250, Deduct	*-8.08*	
		For >250 To 500, Deduct	*-13.87*	
		For >500, Deduct	*-19.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	59.87	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-8.43*	
		For >250 To 500, Deduct	*-14.45*	
		For >500, Deduct	*-20.48*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	66.12	
		For >10 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-4.53*	
		For >100 To 250, Deduct	*-9.06*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-21.96*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	70.90	
		For >10 To 50, Deduct	*-2.02*	
		For >50 To 100, Deduct	*-4.80*	
		For >100 To 250, Deduct	*-9.60*	
		For >250 To 500, Deduct	*-16.41*	
		For >500, Deduct	*-23.23*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	76.08	
		For >10 To 50, Deduct	*-2.12*	
		For >50 To 100, Deduct	*-5.08*	
		For >100 To 250, Deduct	*-10.16*	
		For >250 To 500, Deduct	*-17.35*	
		For >500, Deduct	*-24.54*	

06 05 23 00-0258 Supports *(06 05 23)*

06 05 23 00-0259 Shear Plates *(06 05 23 00-0258)*

06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	17.12	5.22
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.52*	
		For >500, Deduct	*-6.42*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	16.76	5.50
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.63*	
		For >500, Deduct	*-6.58*	

06 05 23 00-0262 Sill Anchors *(06 05 23 00-0258)*

06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	15.30	5.50
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.52*	
		For >500, Deduct	*-6.43*	

06 05 23 00-0264 Spike Grids *(06 05 23 00-0258)*

06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	13.89	5.22
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 500, Deduct	*-4.28*	
		For >500, Deduct	*-6.09*	

06 05 23 00-0266 Split Rings *(06 05 23 00-0258)*

06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	17.30	5.22
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.53*	
		For >500, Deduct	*-6.43*	
06 05 23 00-0268	EA	4" Diameter Split Ring	18.67	5.78
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.93*	
		For >500, Deduct	*-7.00*	

06 05 23 00-0269 Toothed Rings *(06 05 23 00-0258)*

06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	14.54	5.22
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-4.32*	
		For >500, Deduct	*-6.16*	

06 05 23 00-0271 Straps And Shields *(06 05 23)*

06 05 23 00-0272 Shield Plate *(06 05 23 00-0271)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	9.41	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.75*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.73	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.45*	
06 05 23 00-0275		Strap Ties *(06 05 23 00-0271)*		
06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.90	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.99	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.05*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	5.08	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.32*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	5.25	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.34*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.43	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.35*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	6.27	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.60*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	7.90	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.76*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	9.16	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-2.05*	
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	4.27	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.08*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.40	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.09*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	5.59	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	5.81	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.91	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.40*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	6.78	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.65*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	8.24	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.80*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	9.18	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-2.05*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	14.09	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.71*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.94	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.96	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	6.04	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.42*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	8.24	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.80*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.89	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.34*	
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	7.55	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.40*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.87	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.80*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	14.49	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.42*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	17.99	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.94*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	26.31	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	45.17	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.18*	
		For >500, Deduct	*-5.98*	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	58.01	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.25*	
		For >250 To 500, Deduct	*-5.23*	
		For >500, Deduct	*-7.42*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	17.13	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.69*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	22.01	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.34*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	25.68	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.87*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	38.69	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.70*	
		For >500, Deduct	*-5.33*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	4.48	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.10*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	5.55	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.28*	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	6.38	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.45*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	6.92	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.58*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	4.43	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.09*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	5.63	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.29*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	6.52	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.46*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.97	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	9.33	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.91*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	7.12	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.44*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	8.54	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.75*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	9.88	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.96*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	7.20	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.53*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	8.14	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.63*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	9.64	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.78*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	11.97	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.17*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	22.99	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-3.27*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	23.09	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.28*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	30.75	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-4.05*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	28.92	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.86*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	31.29	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-4.10*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	33.08	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.01*	
		For >500, Deduct	*-4.28*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	49.69	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-5.94*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.62	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-1.01*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	3.78	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-1.03*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	794.65	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	141.04	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	5.42	2.41
		For Each Additional 2" x_" In The Built Up Member, Add	*0.87*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	6.71	2.83
		For Each Additional 2" x_" In The Built Up Member, Add	*1.23*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	8.53	3.40
		For Each Additional 2" x_" In The Built Up Member, Add	*1.71*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	5.42	2.41
		For Each Additional 2" x_" In The Built Up Member, Add	*0.87*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	6.71	2.83
		For Each Additional 2" x_" In The Built Up Member, Add	*1.23*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	8.53	3.40
		For Each Additional 2" x_" In The Built Up Member, Add	*1.71*	

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	3.14	1.71
		For Selectively Replaced Wood, Add	*3.41*	
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.64	1.85
		For Selectively Replaced Wood, Add	*3.62*	
06 11 16 00-0005	LF	2" x 10" Wood Rafter	5.25	2.69
		For Selectively Replaced Wood, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0006	LF	2" x 12" Wood Rafter	6.04	2.98
		For Selectively Replaced Wood, Add	*5.96*	
06 11 16 00-0007	LF	2" x 14" Wood Rafter	6.55	3.26
		For Selectively Replaced Wood, Add	*6.38*	
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.85	1.71
		For Selectively Replaced Wood, Add	*3.41*	
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	4.63	1.85
		For Selectively Replaced Wood, Add	*3.62*	
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	6.29	2.69
		For Selectively Replaced Wood, Add	*5.31*	
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	7.55	2.98
		For Selectively Replaced Wood, Add	*5.96*	

06 11 16 00-0012 Joists *(06 11 16 00-0001)*

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.72	1.42
		For Selectively Replaced Wood, Add	*2.78*	
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	3.36	1.56
		For Selectively Replaced Wood, Add	*3.20*	
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	4.26	1.99
		For Selectively Replaced Wood, Add	*3.83*	
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	5.05	2.27
		For Selectively Replaced Wood, Add	*4.47*	
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	5.56	2.41
		For Selectively Replaced Wood, Add	*4.89*	
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	3.43	1.42
		For Selectively Replaced Wood, Add	*2.78*	
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	4.35	1.56
		For Selectively Replaced Wood, Add	*3.20*	
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	5.30	1.99
		For Selectively Replaced Wood, Add	*3.83*	
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	6.56	2.27
		For Selectively Replaced Wood, Add	*4.47*	

06 11 16 00-0022 Purlins *(06 11 16 00-0001)*

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin	2.23	0.85
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.74	0.93
06 11 16 00-0025	LF	2" x 8" Wood Purlin	3.29	1.04
06 11 16 00-0026	LF	2" x 10" Wood Purlin	3.98	1.14
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.66	0.85
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	3.45	0.93
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	4.28	1.04
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	5.02	1.14

06 11 16 00-0031 Exposed Rafters Or Joists *(06 11 16 00-0001)*

06 11 16 00-0032 Redwood Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.99	1.42
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.84	1.56
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	6.01	1.99
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	7.27	2.27

06 11 16 00-0037 Cedar Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.73	1.42
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	3.06	1.56
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	3.54	1.99
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	4.03	2.27

06 11 16 00-0042 Oak Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	3.24	1.42
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	4.37	1.56
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	5.64	1.99
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	6.92	2.27

06 11 16 00-0047 Framing *(06 11 16)*

06 11 16 00-0048 Partition Framing *(06 11 16 00-0047)*

06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.15	1.14
		For Selectively Replaced Wood, Add	*2.45*	
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.58	1.21
		For Selectively Replaced Wood, Add	*2.57*	
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	3.01	1.28
		For Selectively Replaced Wood, Add	*2.67*	
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.58	1.14
		For Selectively Replaced Wood, Add	*2.45*	
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	3.29	1.21
		For Selectively Replaced Wood, Add	*2.57*	
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	4.00	1.28
		For Selectively Replaced Wood, Add	*2.67*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0055		**Wall Framing Assemblies By The SF** *(06 11 16 00-0047)* Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.77	1.37
		For Up To 200, Add	*0.96*	
		For >200 To 500, Add	*0.48*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.72	1.76
		For Up To 200, Add	*1.26*	
		For >200 To 500, Add	*0.63*	
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.95	2.35
		For Up To 200, Add	*1.68*	
		For >200 To 500, Add	*0.84*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.25	1.11
		For Up To 200, Add	*0.78*	
		For >200 To 500, Add	*0.39*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	3.07	1.46
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	4.11	1.95
		For Up To 200, Add	*1.40*	
		For >200 To 500, Add	*0.70*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.77	0.86
		For Up To 200, Add	*0.61*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.42	1.14
		For Up To 200, Add	*0.82*	
		For >200 To 500, Add	*0.41*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.23	1.52
		For Up To 200, Add	*1.10*	
		For >200 To 500, Add	*0.55*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)* Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	3.71	2.13
		For Selectively Replaced Wood, Add	*4.79*	
06 11 16 00-0071	LF	2" x 6" Wood Sill	4.41	2.41
		For Selectively Replaced Wood, Add	*5.31*	
06 11 16 00-0072	LF	2" x 8" Wood Sill	5.23	2.69
		For Selectively Replaced Wood, Add	*6.00*	
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	4.14	2.13
		For Selectively Replaced Wood, Add	*4.79*	
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	5.12	2.41
		For Selectively Replaced Wood, Add	*5.31*	
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	6.22	2.69
		For Selectively Replaced Wood, Add	*6.00*	
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)* Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	3.71	2.13
		For Selectively Replaced Wood, Add	*4.79*	
06 11 16 00-0078	LF	2" x 6" Wood Plate	4.41	2.41
		For Selectively Replaced Wood, Add	*5.31*	
06 11 16 00-0079	LF	2" x 8" Wood Plate	5.20	2.69
		For Selectively Replaced Wood, Add	*5.96*	
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	4.14	2.13
		For Selectively Replaced Wood, Add	*4.79*	
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	5.12	2.41
		For Selectively Replaced Wood, Add	*5.31*	
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	6.19	2.69
		For Selectively Replaced Wood, Add	*5.96*	
06 11 16 00-0083		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0084	LF	1" x 2" Wood Suspended Ceiling Framing	3.06	1.85
06 11 16 00-0085	LF	1" x 3" Wood Suspended Ceiling Framing	3.34	1.99
06 11 16 00-0086	LF	1" x 4" Wood Suspended Ceiling Framing	3.50	2.13
06 11 16 00-0087	LF	2" x 2" Wood Suspended Ceiling Framing	3.59	2.13
06 11 16 00-0088	LF	2" x 4" Wood Suspended Ceiling Framing	4.26	2.41
06 11 16 00-0089	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.40	1.85
06 11 16 00-0090	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.35	1.99
06 11 16 00-0091	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.73	2.13
06 11 16 00-0092	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.97	2.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0093	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.64	2.41
06 11 16 00-0094		**Posts And Girts** *(06 11 16)*		
06 11 16 00-0095		**Posts** *(06 11 16 00-0094)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0096	LF	4" x 4" Wood Post	5.33	2.69
06 11 16 00-0097	LF	4" x 5" Wood Post	6.07	3.12
06 11 16 00-0098	LF	4" x 6" Wood Post	6.70	3.40
06 11 16 00-0099	LF	6" x 6" Wood Post	7.45	3.69
06 11 16 00-0100	LF	8" x 8" Wood Post	8.19	3.83
06 11 16 00-0101	LF	10" x 10" Wood Post	8.93	4.40
06 11 16 00-0102	LF	4" x 4" Pressure Treated Wood Post	7.58	2.69
06 11 16 00-0103	LF	3" x 6" Pressure Treated Wood Post	8.73	3.40
06 11 16 00-0104	LF	4" x 6" Pressure Treated Wood Post	10.70	3.40
06 11 16 00-0105	LF	6" x 6" Pressure Treated Wood Post	15.06	3.69
06 11 16 00-0106		**Girts** *(06 11 16 00-0094)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0107	LF	2" x 4" Wood Girt	2.56	1.03
06 11 16 00-0108	LF	2" x 6" Wood Girt	3.11	1.12
06 11 16 00-0109	LF	2" x 8" Wood Girt	3.70	1.24
06 11 16 00-0110	LF	2" x 10" Wood Girt	4.43	1.36
06 11 16 00-0111	LF	4" x 4" Wood Girt	5.18	2.04
06 11 16 00-0112	LF	4" x 5" Wood Girt	5.94	2.30
06 11 16 00-0113	LF	4" x 6" Wood Girt	6.68	2.55
06 11 16 00-0114	LF	6" x 6" Wood Girt	7.43	2.81
06 11 16 00-0115	LF	8" x 8" Wood Girt	8.17	3.07
06 11 16 00-0116	LF	10" x 10" Wood Girt	8.91	3.33
06 11 16 00-0117	LF	2" x 4" Pressure Treated Wood Girt	2.99	1.03
06 11 16 00-0118	LF	2" x 6" Pressure Treated Wood Girt	3.82	1.12
06 11 16 00-0119	LF	2" x 8" Pressure Treated Wood Girt	4.69	1.24
06 11 16 00-0120	LF	2" x 10" Pressure Treated Wood Girt	5.47	1.36
06 11 16 00-0121	LF	4" x 4" Pressure Treated Wood Girt	7.58	2.04
06 11 16 00-0122	LF	3" x 6" Pressure Treated Wood Girt	8.73	2.55
06 11 16 00-0123	LF	4" x 6" Pressure Treated Wood Girt	10.70	2.55
06 11 16 00-0124	LF	6" x 6" Pressure Treated Wood Girt	15.06	2.81
06 11 16 00-0125		**Stair Stringers** *(06 11 16)*		
06 11 16 00-0126	LF	2" x 10" Wood Stair Stringer	10.19	5.68
06 11 16 00-0127	LF	2" x 12" Wood Stair Stringer	12.02	6.67
06 11 16 00-0128	LF	2" x 10" Pressure Treated Wood Stair Stringer	11.26	5.68
06 11 16 00-0129	LF	2" x 12" Pressure Treated Wood Stair Stringer	13.51	6.67
06 11 16 00-0130		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0131		**Blocking** *(06 11 16 00-0130)*		
06 11 16 00-0132		**Blocking To Wood** *(06 11 16 00-0131)*		
06 11 16 00-0133	LF	2" x 4" Pressure Treated Wood Blocking To Wood	8.19	3.41
06 11 16 00-0134	LF	2" x 6" Pressure Treated Wood Blocking To Wood	9.78	3.76
06 11 16 00-0135	LF	2" x 8" Pressure Treated Wood Blocking To Wood	11.19	4.12
06 11 16 00-0136	LF	4" x 4" Pressure Treated Wood Blocking To Wood	13.03	4.54
06 11 16 00-0137	LF	4" x 6" Pressure Treated Wood Blocking To Wood	15.85	4.98
06 11 16 00-0138	LF	2" x 4" Wood Blocking To Wood	7.34	3.41
06 11 16 00-0139	LF	2" x 6" Wood Blocking To Wood	8.37	3.76
06 11 16 00-0140	LF	2" x 8" Wood Blocking To Wood	9.48	4.12
06 11 16 00-0141	LF	4" x 4" Wood Blocking To Wood	10.34	4.54
06 11 16 00-0142	LF	4" x 6" Wood Blocking To Wood	11.58	4.98
06 11 16 00-0143		**Blocking To Steel** *(06 11 16 00-0131)*		
06 11 16 00-0144	LF	2" x 4" Pressure Treated Wood Blocking To Steel	9.34	3.92
06 11 16 00-0145	LF	2" x 6" Pressure Treated Wood Blocking To Steel	11.14	4.32
06 11 16 00-0146	LF	2" x 8" Pressure Treated Wood Blocking To Steel	12.72	4.75
06 11 16 00-0147	LF	2" x 4" Wood Blocking To Steel	8.41	3.92
06 11 16 00-0148	LF	2" x 6" Wood Blocking To Steel	9.58	4.32
06 11 16 00-0149	LF	2" x 8" Wood Blocking To Steel	10.84	4.75
06 11 16 00-0150		**Blocking To Concrete** *(06 11 16 00-0131)*		
06 11 16 00-0151	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	9.34	3.92
06 11 16 00-0152	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	11.14	4.32
06 11 16 00-0153	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	12.72	4.75
06 11 16 00-0154	LF	2" x 4" Wood Blocking To Concrete	8.41	3.92
06 11 16 00-0155	LF	2" x 6" Wood Blocking To Concrete	9.58	4.32
06 11 16 00-0156	LF	2" x 8" Wood Blocking To Concrete	10.84	4.75
06 11 16 00-0157		**Pressure Treated Lattice** *(06 11 16 00-0130)*		
06 11 16 00-0158	SF	3/4" Thick Pressure Treated Wood Lattice	7.86	2.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0159		**Sleepers** *(06 11 16 00-0130)*		
06 11 16 00-0160		**Sleepers To Wood** *(06 11 16 00-0159)*		
06 11 16 00-0161	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.57	0.50
06 11 16 00-0162	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.51	0.57
06 11 16 00-0163	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.78	0.64
06 11 16 00-0164	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.93	0.78
06 11 16 00-0165	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.98	0.85
06 11 16 00-0166		**Sleepers To Concrete** *(06 11 16 00-0159)*		
06 11 16 00-0167	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.62	0.50
06 11 16 00-0168	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.55	0.57
06 11 16 00-0169	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.83	0.64
06 11 16 00-0170	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	3.06	0.78
06 11 16 00-0171	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	4.21	0.85
06 11 16 00-0172		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0173	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	4.21	1.14
06 11 16 00-0174	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.98	1.21
06 11 16 00-0175	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	5.76	1.28
06 11 16 00-0176		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0177	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	2.02	
06 11 16 00-0178	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	5.57	
06 11 16 00-0179	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	8.14	
06 11 16 00-0180	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	12.26	
06 11 16 00-0181		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0182		**Wood And Steel Bridging** *(06 11 16 00-0181)*		
06 11 16 00-0183		**Wood Bridging** *(06 11 16 00-0182)*		
06 11 16 00-0184	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	11.38	4.97
06 11 16 00-0185	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	11.66	4.97
06 11 16 00-0186		**Steel Bridging** *(06 11 16 00-0182)*		
06 11 16 00-0187	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	13.19	4.97
06 11 16 00-0188	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	13.16	4.97
06 11 16 00-0189		**Light Framing, Trim And Furring** *(06 11 16 00-0181)*		
06 11 16 00-0190		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0189)* Note: S4S board, select grade 1		
06 11 16 00-0191	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.49	1.17
06 11 16 00-0192	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.78	1.28
06 11 16 00-0193	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.19	1.40
06 11 16 00-0194	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.55	1.54
06 11 16 00-0195	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.93	1.71
06 11 16 00-0196	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.35	1.87
06 11 16 00-0197	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.57	1.54
06 11 16 00-0198	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.97	1.71
06 11 16 00-0199	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.62	1.87
06 11 16 00-0200	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.34	2.06
06 11 16 00-0201	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	6.24	2.27
06 11 16 00-0202		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0189)* Note: S4S board, select grade 1		
06 11 16 00-0203	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.52	1.17
06 11 16 00-0204	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.93	1.28
06 11 16 00-0205	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.74	1.40
06 11 16 00-0206	LF	1" x 6" Cedar Light Framing, Trim And Furring	4.50	1.54
06 11 16 00-0207	LF	1" x 8" Cedar Light Framing, Trim And Furring	6.42	1.71
06 11 16 00-0208	LF	1" x 10" Cedar Light Framing, Trim And Furring	7.52	1.87
06 11 16 00-0209	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.93	1.54
06 11 16 00-0210	LF	2" x 4" Cedar Light Framing, Trim And Furring	4.51	1.71
06 11 16 00-0211		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0189)* Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Oak Light Framing, Trim And Furring	2.53	1.17
06 11 16 00-0213	LF	1" x 2" Oak Light Framing, Trim And Furring	2.95	1.28
06 11 16 00-0214	LF	1" x 4" Oak Light Framing, Trim And Furring	3.60	1.40
06 11 16 00-0215	LF	1" x 6" Oak Light Framing, Trim And Furring	4.29	1.54
06 11 16 00-0216	LF	1" x 8" Oak Light Framing, Trim And Furring	4.99	1.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0217	LF	1" x 10" Oak Light Framing, Trim And Furring	5.74	1.87
06 11 16 00-0218	LF	2" x 2" Oak Light Framing, Trim And Furring	3.90	1.54
06 11 16 00-0219	LF	2" x 4" Oak Light Framing, Trim And Furring	4.99	1.71
06 11 16 00-0220		Redwood Light Framing, Trim And Furring *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0221	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.47	1.17
06 11 16 00-0222	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.84	1.28
06 11 16 00-0223	LF	1" x 4" Redwood Light Framing, Trim And Furring	3.41	1.40
06 11 16 00-0224	LF	1" x 6" Redwood Light Framing, Trim And Furring	4.06	1.54
06 11 16 00-0225	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.74	1.71
06 11 16 00-0226	LF	1" x 10" Redwood Light Framing, Trim And Furring	5.51	1.87
06 11 16 00-0227	LF	2" x 2" Redwood Light Framing, Trim And Furring	4.07	1.54
06 11 16 00-0228	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.76	1.71
06 11 16 00-0229		Poplar Light Framing, Trim And Furring *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0230	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.81	1.17
06 11 16 00-0231	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.37	1.28
06 11 16 00-0232	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.16	1.40
06 11 16 00-0233	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.21	1.54
06 11 16 00-0234	LF	1" x 8" Poplar Light Framing, Trim And Furring	6.00	1.71
06 11 16 00-0235	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.77	1.87
06 11 16 00-0236	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.34	1.87
06 11 16 00-0237	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.63	1.54
06 11 16 00-0238	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.41	1.71
06 11 16 00-0239	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.76	1.87
06 11 16 00-0240		Maple Light Framing, Trim And Furring *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0241	LF	1" x 4" Maple Light Framing, Trim And Furring	5.05	1.40
06 11 16 00-0242	LF	1" x 6" Maple Light Framing, Trim And Furring	6.59	1.54
06 11 16 00-0243	LF	1" x 8" Maple Light Framing, Trim And Furring	8.15	1.71

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001		Heavy Timber Framing *(06 13 23)*		
		Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.		
06 13 23 00-0002		Heavy Timber Beams *(06 13 23 00-0001)*		
06 13 23 00-0003		Pine, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	7.07	2.52
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	8.30	2.62
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	9.52	2.73
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	11.99	2.90
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	14.01	3.09
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	10.20	2.83
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	11.97	2.98
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	15.64	3.19
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	18.29	3.26
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	14.30	3.09
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	18.73	3.19
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	22.32	3.26
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	22.07	3.26
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	26.69	3.54
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	31.32	3.90
06 13 23 00-0019		Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	7.28	2.52
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	8.60	2.62
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	9.94	2.73
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	12.61	2.90
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	14.79	3.09
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	10.65	2.83
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	12.57	2.98
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	16.56	3.19
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	19.47	3.26
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	15.11	3.09
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	19.96	3.19
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	23.89	3.26
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	23.61	3.26
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	28.63	3.54
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	33.66	3.90
06 13 23 00-0035		Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	8.55	2.52
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	10.84	2.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	12.84	2.73
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	17.00	2.90
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	20.37	3.09
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	15.06	2.83
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	18.49	2.98
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	22.20	3.19
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	27.30	3.26
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	27.58	3.09
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	32.08	3.19
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	37.80	3.26
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	37.96	3.26
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	50.32	3.54
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	59.68	3.90
06 13 23 00-0051		Heavy Timber Columns *(06 13 23 00-0001)*		
06 13 23 00-0052		Pine, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.68	1.32
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	5.85	1.40
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	6.93	1.44
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.23	1.53
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	11.09	1.62
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	7.54	1.48
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.19	1.54
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	12.61	1.68
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	15.19	1.72
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	11.38	1.62
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	15.70	1.68
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	19.17	1.75
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	18.92	1.76
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	23.34	1.87
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	27.62	2.05
06 13 23 00-0068		Douglas Fir, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.89	1.32
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.15	1.40
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.35	1.44
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.85	1.53
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	11.87	1.62
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	7.99	1.48
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.79	1.54
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.53	1.68
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.37	1.72
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.19	1.62
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	16.93	1.68
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	20.74	1.75
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	20.46	1.76
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	25.28	1.87
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	29.96	2.05
06 13 23 00-0084		Pressure Treated, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	6.16	1.32
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	8.39	1.40
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	10.25	1.44
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	14.24	1.53
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	17.45	1.62
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	12.40	1.48
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	15.71	1.54
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	19.17	1.68
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	24.20	1.72
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	24.66	1.62
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	29.05	1.68
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	34.65	1.75
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	34.81	1.76
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	46.97	1.87
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	55.98	2.05

06 16 Sheathing *(06 10)*

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0003	SF	1/4" Thick CDX Plywood Roof Decking	2.75	0.71
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For ACQ Preservative Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.51*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
06 16 33 00-0004	SF	3/8" Thick CDX Plywood Roof Decking	2.79	0.71
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For ACQ Preservative Treatment, Add	*0.54*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.51*	
		For Fire Retardant Treatment, Add	*0.88*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
06 16 33 00-0005	SF	1/2" Thick CDX Plywood Roof Decking	3.19	0.85
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.37*	
		For Exterior CC Grade Plywood, Add	*0.20*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.37*	
		For ACQ Preservative Treatment, Add	*0.65*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.75*	
		For Fire Retardant Treatment, Add	*1.07*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.25*	
06 16 33 00-0006	SF	5/8" Thick CDX Plywood Roof Decking	3.65	0.85
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.39*	
		For Exterior CC Grade Plywood, Add	*0.25*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.39*	
		For ACQ Preservative Treatment, Add	*0.81*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.94*	
		For Fire Retardant Treatment, Add	*1.34*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.30*	
		For Tongue And Groove, Add	*0.12*	
06 16 33 00-0007	SF	3/4" Thick CDX Plywood Roof Decking	4.07	1.00
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.42*	
		For Exterior CC Grade Plywood, Add	*0.29*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.42*	
		For ACQ Preservative Treatment, Add	*0.94*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.17*	
		For Fire Retardant Treatment, Add	*1.55*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.18*	
		For >6,400 To 12,800, Deduct	*-0.27*	
		For >12,800, Deduct	*-0.34*	
		For Tongue And Groove, Add	*0.14*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	3.22	1.00
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.42*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.42*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.17*	
		For Fire Retardant Treatment, Add	*0.88*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	3.27	1.00
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.42*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.42*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.17*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	3.38	1.14
		For Shear Wall Construction, Add	*0.42*	
		For Exterior CC Grade Plywood, Add	*0.19*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.42*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.17*	
		For Fire Retardant Treatment, Add	*1.00*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.26*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	3.85	1.14
		For Shear Wall Construction, Add	*0.45*	
		For Exterior CC Grade Plywood, Add	*0.24*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.45*	
		For Ceiling Installation, Add	*0.23*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.39*	
		For Fire Retardant Treatment, Add	*1.26*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.30*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	4.35	1.28
		For Shear Wall Construction, Add	*0.49*	
		For Exterior CC Grade Plywood, Add	*0.29*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.49*	
		For Ceiling Installation, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.65*	
		For Fire Retardant Treatment, Add	*1.52*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.17*	
		For >6,400 To 12,800, Deduct	*-0.27*	
		For >12,800, Deduct	*-0.35*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	4.82	1.42
		For Shear Wall Construction, Add	*0.52*	
		For Exterior CC Grade Plywood, Add	*0.33*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.52*	
		For Ceiling Installation, Add	*0.26*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.93*	
		For Fire Retardant Treatment, Add	*1.74*	
		For >1,696 To 3,200, Deduct	*-0.13*	
		For >3,200 To 6,400, Deduct	*-0.20*	
		For >6,400 To 12,800, Deduct	*-0.31*	
		For >12,800, Deduct	*-0.40*	
06 16 33 00-0015		**Floor Decking** *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.43	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.39*	
		For Fire Retardant Treatment, Add	*0.66*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.40*	
		For Fir Plywood, Add	*0.16*	
		For BC Grade Plywood, Add	*0.12*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.66*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.60	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.52*	
		For Fire Retardant Treatment, Add	*0.73*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.44*	
		For Fir Plywood, Add	*0.17*	
		For BC Grade Plywood, Add	*0.14*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.72*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.00	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.67*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
		For ACQ Preservative Treatment, Add	*0.59*	
		For Fir Plywood, Add	*0.23*	
		For BC Grade Plywood, Add	*0.18*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.39	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.90*	
		For Fire Retardant Treatment, Add	*1.15*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.27*	
		For ACQ Preservative Treatment, Add	*0.70*	
		For Fir Plywood, Add	*0.27*	
		For BC Grade Plywood, Add	*0.22*	
		For Exterior Glue, Add	*0.14*	
		For Marine Grade, Add	*1.14*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.91	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.06*	
		For Fire Retardant Treatment, Add	*1.48*	
		For >1,696 To 3,200, Deduct	*-0.11*	
		For >3,200 To 6,400, Deduct	*-0.17*	
		For >6,400 To 12,800, Deduct	*-0.26*	
		For >12,800, Deduct	*-0.33*	
		For ACQ Preservative Treatment, Add	*0.90*	
		For Fir Plywood, Add	*0.35*	
		For BC Grade Plywood, Add	*0.28*	
		For Exterior Glue, Add	*0.17*	
		For Marine Grade, Add	*1.46*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	5.98	1.28
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.66*	
		For Fire Retardant Treatment, Add	*2.80*	
		For >1,696 To 3,200, Deduct	*-0.21*	
		For >3,200 To 6,400, Deduct	*-0.32*	
		For >6,400 To 12,800, Deduct	*-0.45*	
		For >12,800, Deduct	*-0.55*	
		For ACQ Preservative Treatment, Add	*1.70*	
		For Fir Plywood, Add	*0.65*	
		For BC Grade Plywood, Add	*0.52*	
		For Exterior Glue, Add	*0.33*	
		For Marine Grade, Add	*2.77*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.73	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.67*	
		For Fire Retardant Treatment, Add	*1.54*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.18*	
		For >6,400 To 12,800, Deduct	*-0.26*	
		For >12,800, Deduct	*-0.32*	
		For ACQ Preservative Treatment, Add	*0.94*	
		For Exterior Glue, Add	*0.18*	
		For Marine Grade, Add	*1.53*	
		For Tongue And Groove, Add	*0.14*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	4.21	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.90*	
		For Fire Retardant Treatment, Add	*1.80*	
		For >1,696 To 3,200, Deduct	*-0.14*	
		For >3,200 To 6,400, Deduct	*-0.21*	
		For >6,400 To 12,800, Deduct	*-0.30*	
		For >12,800, Deduct	*-0.37*	
		For ACQ Preservative Treatment, Add	*1.09*	
		For Exterior Glue, Add	*0.21*	
		For Marine Grade, Add	*1.79*	
		For Tongue And Groove, Add	*0.16*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	4.51	0.85
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.06*	
		For Fire Retardant Treatment, Add	*1.95*	
		For >1,696 To 3,200, Deduct	*-0.15*	
		For >3,200 To 6,400, Deduct	*-0.22*	
		For >6,400 To 12,800, Deduct	*-0.32*	
		For >12,800, Deduct	*-0.40*	
		For ACQ Preservative Treatment, Add	*1.19*	
		For Exterior Glue, Add	*0.23*	
		For Marine Grade, Add	*1.93*	
		For Tongue And Groove, Add	*0.17*	

06 16 33 00-0025 Oriented Strand Board *(06 16 33)*

06 16 33 00-0026 On Roof *(06 16 33 00-0025)*

06 16 33 00-0027	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.06	0.85
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.30*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0028	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	2.27	0.85
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.75*	
06 16 33 00-0029	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.60	1.00
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.51*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.94*	
06 16 33 00-0030	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	2.96	1.00
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
		For Fire Retardant Treatment, Add	*0.67*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.17*	

06 16 33 00-0031 On Walls *(06 16 33 00-0025)*

06 16 33 00-0032	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.49	1.00
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.30*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.17*	
06 16 33 00-0033	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.70	1.14
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.39*	
06 16 33 00-0034	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	3.07	1.28
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.51*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.65*	
06 16 33 00-0035	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	3.47	1.28
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.23*	
		For Fire Retardant Treatment, Add	*0.67*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.93*	

06 16 33 00-0036 On Floors *(06 16 33 00-0025)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0037	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.09	0.85
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.30*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.57*	
06 16 33 00-0038	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.48	1.00
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.06*	
06 16 33 00-0039	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.86	1.14
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.51*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.33*	
06 16 33 00-0040	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.28	1.28
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.22*	
		For Fire Retardant Treatment, Add	*0.67*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.65*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.89	1.14
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.39*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.45*	
		For Ceiling Installation, Add	*0.23*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.24*	
		For >12,800, Deduct	*-0.31*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	4.20	1.42
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.65*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.49*	
		For Ceiling Installation, Add	*0.24*	
		For >1,696 To 3,200, Deduct	*-0.11*	
		For >3,200 To 6,400, Deduct	*-0.16*	
		For >6,400 To 12,800, Deduct	*-0.26*	
		For >12,800, Deduct	*-0.33*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	8.68	2.46
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	9.43	2.50
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	10.30	2.53
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	11.39	2.57
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep (LVL) Laminated Veneer Lumber	12.20	2.62
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep (LVL) Laminated Veneer Lumber	13.38	2.70
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep (LVL) Laminated Veneer Lumber	15.01	2.75
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep (LVL) Laminated Veneer Lumber	20.27	3.12

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" (LSL) Laminated Strand Lumber	2.99	1.14
06 17 23 00-0003	LF	2" x 6" (LSL) Laminated Strand Lumber	3.92	1.21

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.36	1.57
		For I-Joists 30' To 40' In Length, Add	*0.69*	
		For I-Joists >40' In Length, Add	*1.69*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.79	1.75
		For I-Joists 30' To 40' In Length, Add	*0.77*	
		For I-Joists >40' In Length, Add	*1.88*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.75	1.97
		For I-Joists 30' To 40' In Length, Add	*0.86*	
		For I-Joists >40' In Length, Add	*2.12*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.60	2.18
		For I-Joists 30' To 40' In Length, Add	*0.96*	
		For I-Joists >40' In Length, Add	*2.36*	

06 17 43 Rim Boards *(06 17)*

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board *(06 17 43)*

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.30	2.53
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.89	2.57
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.58	2.62

06 17 53 Shop-Fabricated Wood Trusses *(06 17)*

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses *(06 17 53)*

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	224.23	91.63
		For Up To 15, Add	*3.07*	
		For >35, Deduct	*-2.05*	
		For 3 In 12 Slope, Add	*1.23*	
		For 5 In 12 Slope, Add	*3.28*	
		For 6 In 12 Slope, Add	*6.15*	
		For 7 In 12 Slope, Add	*8.19*	
		For 8 In 12 Slope, Add	*9.83*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	248.55	100.35
		For Up To 15, Add	*3.59*	
		For >35, Deduct	*-2.39*	
		For 3 In 12 Slope, Add	*1.44*	
		For 5 In 12 Slope, Add	*3.83*	
		For 6 In 12 Slope, Add	*7.18*	
		For 7 In 12 Slope, Add	*9.57*	
		For 8 In 12 Slope, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	275.73	109.09
		For Up To 15, Add	*4.32*	
		For >35, Deduct	*-2.88*	
		For 3 In 12 Slope, Add	*1.73*	
		For 5 In 12 Slope, Add	*4.61*	
		For 6 In 12 Slope, Add	*8.64*	
		For 7 In 12 Slope, Add	*11.51*	
		For 8 In 12 Slope, Add	*13.82*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	310.44	117.81
		For Up To 15, Add	*5.61*	
		For >35, Deduct	*-3.74*	
		For 3 In 12 Slope, Add	*2.24*	
		For 5 In 12 Slope, Add	*5.99*	
		For 6 In 12 Slope, Add	*11.22*	
		For 7 In 12 Slope, Add	*14.96*	
		For 8 In 12 Slope, Add	*17.96*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	340.81	126.54
		For Up To 15, Add	*6.58*	
		For >35, Deduct	*-4.39*	
		For 3 In 12 Slope, Add	*2.63*	
		For 5 In 12 Slope, Add	*7.02*	
		For 6 In 12 Slope, Add	*13.16*	
		For 7 In 12 Slope, Add	*17.55*	
		For 8 In 12 Slope, Add	*21.06*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	361.17	139.63
		For Up To 15, Add	*6.14*	
		For >35, Deduct	*-4.10*	
		For 3 In 12 Slope, Add	*2.46*	
		For 5 In 12 Slope, Add	*6.55*	
		For 6 In 12 Slope, Add	*12.29*	
		For 7 In 12 Slope, Add	*16.38*	
		For 8 In 12 Slope, Add	*19.66*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	381.02	222.53
		For Up To 15, Add	*6.32*	
		For >35, Deduct	*-4.22*	
		For 3 In 12 Slope, Add	*2.53*	
		For 5 In 12 Slope, Add	*6.74*	
		For 6 In 12 Slope, Add	*12.65*	
		For 7 In 12 Slope, Add	*16.86*	
		For 8 In 12 Slope, Add	*20.23*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	405.62	157.08
		For Up To 15, Add	*6.86*	
		For >35, Deduct	*-4.57*	
		For 3 In 12 Slope, Add	*2.74*	
		For 5 In 12 Slope, Add	*7.32*	
		For 6 In 12 Slope, Add	*13.72*	
		For 7 In 12 Slope, Add	*18.29*	
		For 8 In 12 Slope, Add	*21.95*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	430.99	248.71
		For Up To 15, Add	*7.45*	
		For >35, Deduct	*-4.97*	
		For 3 In 12 Slope, Add	*2.98*	
		For 5 In 12 Slope, Add	*7.95*	
		For 6 In 12 Slope, Add	*14.91*	
		For 7 In 12 Slope, Add	*19.88*	
		For 8 In 12 Slope, Add	*23.85*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	457.41	174.53
		For Up To 15, Add	*8.13*	
		For >35, Deduct	*-5.42*	
		For 3 In 12 Slope, Add	*3.25*	
		For 5 In 12 Slope, Add	*8.67*	
		For 6 In 12 Slope, Add	*16.25*	
		For 7 In 12 Slope, Add	*21.67*	
		For 8 In 12 Slope, Add	*26.00*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	478.29	274.89
		For Up To 15, Add	*8.38*	
		For >35, Deduct	*-5.59*	
		For 3 In 12 Slope, Add	*3.35*	
		For 5 In 12 Slope, Add	*8.94*	
		For 6 In 12 Slope, Add	*16.77*	
		For 7 In 12 Slope, Add	*22.35*	
		For 8 In 12 Slope, Add	*26.82*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	498.18	187.62
		For Up To 15, Add	*9.22*	
		For >35, Deduct	*-6.15*	
		For 3 In 12 Slope, Add	*3.69*	
		For 5 In 12 Slope, Add	*9.84*	
		For 6 In 12 Slope, Add	*18.44*	
		For 7 In 12 Slope, Add	*24.59*	
		For 8 In 12 Slope, Add	*29.51*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	540.12	294.61
		For Up To 15, Add	*11.06*	
		For >35, Deduct	*-7.37*	
		For 3 In 12 Slope, Add	*4.42*	
		For 5 In 12 Slope, Add	*11.79*	
		For 6 In 12 Slope, Add	*22.11*	
		For 7 In 12 Slope, Add	*29.48*	
		For 8 In 12 Slope, Add	*35.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	560.45	200.71
		For Up To 15, Add	*11.93*	
		For >35, Deduct	*-7.95*	
		For 3 In 12 Slope, Add	*4.77*	
		For 5 In 12 Slope, Add	*12.72*	
		For 6 In 12 Slope, Add	*23.85*	
		For 7 In 12 Slope, Add	*31.80*	
		For 8 In 12 Slope, Add	*38.16*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	588.76	314.16
		For Up To 15, Add	*12.74*	
		For >35, Deduct	*-8.49*	
		For 3 In 12 Slope, Add	*5.10*	
		For 5 In 12 Slope, Add	*13.59*	
		For 6 In 12 Slope, Add	*25.48*	
		For 7 In 12 Slope, Add	*33.98*	
		For 8 In 12 Slope, Add	*40.77*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	609.86	218.16
		For Up To 15, Add	*13.01*	
		For >35, Deduct	*-8.68*	
		For 3 In 12 Slope, Add	*5.21*	
		For 5 In 12 Slope, Add	*13.88*	
		For 6 In 12 Slope, Add	*26.03*	
		For 7 In 12 Slope, Add	*34.70*	
		For 8 In 12 Slope, Add	*41.64*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	664.00	340.34
		For Up To 15, Add	*15.77*	
		For >35, Deduct	*-10.51*	
		For 3 In 12 Slope, Add	*6.31*	
		For 5 In 12 Slope, Add	*16.82*	
		For 6 In 12 Slope, Add	*31.53*	
		For 7 In 12 Slope, Add	*42.04*	
		For 8 In 12 Slope, Add	*50.45*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	717.14	235.62
		For Up To 15, Add	*18.44*	
		For >35, Deduct	*-12.30*	
		For 3 In 12 Slope, Add	*7.38*	
		For 5 In 12 Slope, Add	*19.67*	
		For 6 In 12 Slope, Add	*36.89*	
		For 7 In 12 Slope, Add	*49.18*	
		For 8 In 12 Slope, Add	*59.02*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	742.52	244.35
		For Up To 15, Add	*19.04*	
		For >35, Deduct	*-12.69*	
		For 3 In 12 Slope, Add	*7.61*	
		For 5 In 12 Slope, Add	*20.31*	
		For 6 In 12 Slope, Add	*38.07*	
		For 7 In 12 Slope, Add	*50.76*	
		For 8 In 12 Slope, Add	*60.92*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	777.48	253.07
		For Up To 15, Add	*20.35*	
		For >35, Deduct	*-13.57*	
		For 3 In 12 Slope, Add	*8.14*	
		For 5 In 12 Slope, Add	*21.71*	
		For 6 In 12 Slope, Add	*40.70*	
		For 7 In 12 Slope, Add	*54.27*	
		For 8 In 12 Slope, Add	*65.12*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	870.91	261.80
		For Up To 15, Add	*26.05*	
		For >35, Deduct	*-17.37*	
		For 3 In 12 Slope, Add	*10.42*	
		For 5 In 12 Slope, Add	*27.78*	
		For 6 In 12 Slope, Add	*52.10*	
		For 7 In 12 Slope, Add	*69.46*	
		For 8 In 12 Slope, Add	*83.35*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	834.24	235.44
		For Up To 15, Add	*23.30*	
		For >35, Deduct	*-15.53*	
		For 3 In 12 Slope, Add	*9.32*	
		For 5 In 12 Slope, Add	*24.85*	
		For 6 In 12 Slope, Add	*46.60*	
		For 7 In 12 Slope, Add	*62.13*	
		For 8 In 12 Slope, Add	*74.55*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	875.42	274.89
		For Up To 15, Add	*24.42*	
		For >35, Deduct	*-16.28*	
		For 3 In 12 Slope, Add	*9.77*	
		For 5 In 12 Slope, Add	*26.05*	
		For 6 In 12 Slope, Add	*48.85*	
		For 7 In 12 Slope, Add	*65.13*	
		For 8 In 12 Slope, Add	*78.15*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	908.87	254.82
		For Up To 15, Add	*25.62*	
		For >35, Deduct	*-17.08*	
		For 3 In 12 Slope, Add	*10.25*	
		For 5 In 12 Slope, Add	*27.33*	
		For 6 In 12 Slope, Add	*51.25*	
		For 7 In 12 Slope, Add	*68.33*	
		For 8 In 12 Slope, Add	*81.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	936.57	287.98
		For Up To 15, Add	*27.05*	
		For >35, Deduct	*-18.03*	
		For 3 In 12 Slope, Add	*10.82*	
		For 5 In 12 Slope, Add	*28.85*	
		For 6 In 12 Slope, Add	*54.09*	
		For 7 In 12 Slope, Add	*72.12*	
		For 8 In 12 Slope, Add	*86.55*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	955.06	292.34
		For Up To 15, Add	*27.78*	
		For >35, Deduct	*-18.52*	
		For 3 In 12 Slope, Add	*11.11*	
		For 5 In 12 Slope, Add	*29.63*	
		For 6 In 12 Slope, Add	*55.56*	
		For 7 In 12 Slope, Add	*74.08*	
		For 8 In 12 Slope, Add	*88.89*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	229.43	91.63
		For 3 In 12 Slope, Add	*1.39*	
		For 5 In 12 Slope, Add	*3.69*	
		For 6 In 12 Slope, Add	*6.93*	
		For 7 In 12 Slope, Add	*9.23*	
		For 8 In 12 Slope, Add	*11.08*	
		For 16" On Center Gable Studs, Add	*9.23*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	254.64	100.35
		For 3 In 12 Slope, Add	*1.62*	
		For 5 In 12 Slope, Add	*4.31*	
		For 6 In 12 Slope, Add	*8.09*	
		For 7 In 12 Slope, Add	*10.79*	
		For 8 In 12 Slope, Add	*12.94*	
		For 16" On Center Gable Studs, Add	*10.79*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	283.06	109.09
		For 3 In 12 Slope, Add	*1.95*	
		For 5 In 12 Slope, Add	*5.19*	
		For 6 In 12 Slope, Add	*9.74*	
		For 7 In 12 Slope, Add	*12.98*	
		For 8 In 12 Slope, Add	*15.58*	
		For 16" On Center Gable Studs, Add	*12.98*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	319.95	117.81
		For 3 In 12 Slope, Add	*2.53*	
		For 5 In 12 Slope, Add	*6.75*	
		For 6 In 12 Slope, Add	*12.65*	
		For 7 In 12 Slope, Add	*16.87*	
		For 8 In 12 Slope, Add	*20.24*	
		For 16" On Center Gable Studs, Add	*16.87*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	351.96	126.54
		For 3 In 12 Slope, Add	*2.97*	
		For 5 In 12 Slope, Add	*7.91*	
		For 6 In 12 Slope, Add	*14.83*	
		For 7 In 12 Slope, Add	*19.78*	
		For 8 In 12 Slope, Add	*23.73*	
		For 16" On Center Gable Studs, Add	*19.78*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	383.31	139.63
		For 3 In 12 Slope, Add	*3.12*	
		For 5 In 12 Slope, Add	*8.32*	
		For 6 In 12 Slope, Add	*15.61*	
		For 7 In 12 Slope, Add	*20.81*	
		For 8 In 12 Slope, Add	*24.97*	
		For 16" On Center Gable Studs, Add	*20.81*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	403.80	148.35
		For 3 In 12 Slope, Add	*3.21*	
		For 5 In 12 Slope, Add	*8.57*	
		For 6 In 12 Slope, Add	*16.06*	
		For 7 In 12 Slope, Add	*21.42*	
		For 8 In 12 Slope, Add	*25.70*	
		For 16" On Center Gable Studs, Add	*21.42*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	430.32	157.08
		For 3 In 12 Slope, Add	*3.48*	
		For 5 In 12 Slope, Add	*9.29*	
		For 6 In 12 Slope, Add	*17.42*	
		For 7 In 12 Slope, Add	*23.23*	
		For 8 In 12 Slope, Add	*27.88*	
		For 16" On Center Gable Studs, Add	*23.23*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	457.83	165.80
		For 3 In 12 Slope, Add	*3.79*	
		For 5 In 12 Slope, Add	*10.10*	
		For 6 In 12 Slope, Add	*18.93*	
		For 7 In 12 Slope, Add	*25.24*	
		For 8 In 12 Slope, Add	*30.29*	
		For 16" On Center Gable Studs, Add	*25.24*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	486.68	174.53
		For 3 In 12 Slope, Add	*4.13*	
		For 5 In 12 Slope, Add	*11.01*	
		For 6 In 12 Slope, Add	*20.64*	
		For 7 In 12 Slope, Add	*27.52*	
		For 8 In 12 Slope, Add	*33.03*	
		For 16" On Center Gable Studs, Add	*27.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	509.70	183.26
		For 3 In 12 Slope, Add	*4.30*	
		For 5 In 12 Slope, Add	*11.45*	
		For 6 In 12 Slope, Add	*21.48*	
		For 7 In 12 Slope, Add	*28.64*	
		For 8 In 12 Slope, Add	*34.36*	
		For 16" On Center Gable Studs, Add	*28.64*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	532.74	187.62
		For 3 In 12 Slope, Add	*4.73*	
		For 5 In 12 Slope, Add	*12.60*	
		For 6 In 12 Slope, Add	*23.63*	
		For 7 In 12 Slope, Add	*31.50*	
		For 8 In 12 Slope, Add	*37.80*	
		For 16" On Center Gable Studs, Add	*31.50*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	581.53	196.35
		For 3 In 12 Slope, Add	*5.66*	
		For 5 In 12 Slope, Add	*15.11*	
		For 6 In 12 Slope, Add	*28.32*	
		For 7 In 12 Slope, Add	*37.77*	
		For 8 In 12 Slope, Add	*45.32*	
		For 16" On Center Gable Studs, Add	*37.77*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	605.14	200.71
		For 3 In 12 Slope, Add	*6.11*	
		For 5 In 12 Slope, Add	*16.30*	
		For 6 In 12 Slope, Add	*30.56*	
		For 7 In 12 Slope, Add	*40.74*	
		For 8 In 12 Slope, Add	*48.89*	
		For 16" On Center Gable Studs, Add	*40.74*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	636.49	209.44
		For 3 In 12 Slope, Add	*6.53*	
		For 5 In 12 Slope, Add	*17.41*	
		For 6 In 12 Slope, Add	*32.64*	
		For 7 In 12 Slope, Add	*43.52*	
		For 8 In 12 Slope, Add	*52.23*	
		For 16" On Center Gable Studs, Add	*43.52*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	672.62	218.16
		For 3 In 12 Slope, Add	*7.09*	
		For 5 In 12 Slope, Add	*18.90*	
		For 6 In 12 Slope, Add	*35.44*	
		For 7 In 12 Slope, Add	*47.26*	
		For 8 In 12 Slope, Add	*56.71*	
		For 16" On Center Gable Studs, Add	*47.26*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	740.03	226.89
		For 3 In 12 Slope, Add	*8.59*	
		For 5 In 12 Slope, Add	*22.90*	
		For 6 In 12 Slope, Add	*42.94*	
		For 7 In 12 Slope, Add	*57.25*	
		For 8 In 12 Slope, Add	*68.70*	
		For 16" On Center Gable Studs, Add	*57.25*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	806.09	235.62
		For 3 In 12 Slope, Add	*10.05*	
		For 5 In 12 Slope, Add	*26.79*	
		For 6 In 12 Slope, Add	*50.23*	
		For 7 In 12 Slope, Add	*66.97*	
		For 8 In 12 Slope, Add	*80.36*	
		For 16" On Center Gable Studs, Add	*66.97*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	834.34	244.35
		For 3 In 12 Slope, Add	*10.37*	
		For 5 In 12 Slope, Add	*27.65*	
		For 6 In 12 Slope, Add	*51.85*	
		For 7 In 12 Slope, Add	*69.13*	
		For 8 In 12 Slope, Add	*82.95*	
		For 16" On Center Gable Studs, Add	*69.13*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	875.61	253.07
		For 3 In 12 Slope, Add	*11.08*	
		For 5 In 12 Slope, Add	*29.56*	
		For 6 In 12 Slope, Add	*55.42*	
		For 7 In 12 Slope, Add	*73.89*	
		For 8 In 12 Slope, Add	*88.67*	
		For 16" On Center Gable Studs, Add	*73.89*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	947.55	261.80
		For 3 In 12 Slope, Add	*12.72*	
		For 5 In 12 Slope, Add	*33.92*	
		For 6 In 12 Slope, Add	*63.59*	
		For 7 In 12 Slope, Add	*84.79*	
		For 8 In 12 Slope, Add	*101.75*	
		For 16" On Center Gable Studs, Add	*84.79*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	970.66	270.52
		For 3 In 12 Slope, Add	*12.89*	
		For 5 In 12 Slope, Add	*34.37*	
		For 6 In 12 Slope, Add	*64.44*	
		For 7 In 12 Slope, Add	*85.92*	
		For 8 In 12 Slope, Add	*103.10*	
		For 16" On Center Gable Studs, Add	*85.92*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,000.14	274.89
		For 3 In 12 Slope, Add	*13.51*	
		For 5 In 12 Slope, Add	*36.03*	
		For 6 In 12 Slope, Add	*67.55*	
		For 7 In 12 Slope, Add	*90.07*	
		For 8 In 12 Slope, Add	*108.09*	
		For 16" On Center Gable Studs, Add	*90.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,039.71	283.62
		For 3 In 12 Slope, Add	*14.17*	
		For 5 In 12 Slope, Add	*37.80*	
		For 6 In 12 Slope, Add	*70.87*	
		For 7 In 12 Slope, Add	*94.50*	
		For 8 In 12 Slope, Add	*113.40*	
		For 16" On Center Gable Studs, Add	*94.50*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,074.67	287.98
		For 3 In 12 Slope, Add	*14.96*	
		For 5 In 12 Slope, Add	*39.90*	
		For 6 In 12 Slope, Add	*74.81*	
		For 7 In 12 Slope, Add	*99.74*	
		For 8 In 12 Slope, Add	*119.69*	
		For 16" On Center Gable Studs, Add	*99.74*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,096.91	292.34
		For 3 In 12 Slope, Add	*15.37*	
		For 5 In 12 Slope, Add	*40.98*	
		For 6 In 12 Slope, Add	*76.83*	
		For 7 In 12 Slope, Add	*102.45*	
		For 8 In 12 Slope, Add	*122.94*	
		For 16" On Center Gable Studs, Add	*102.45*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	10.98	3.81
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.72	4.75
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	16.48	5.71
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	17.38	6.03
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	19.20	6.66
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	21.96	7.61
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	24.70	8.56
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	25.61	8.88
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	27.46	9.52
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	29.27	10.16
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	30.19	10.48
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	32.92	11.43
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	35.68	12.38
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	38.41	13.34
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	41.18	14.28
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	17.25	5.99
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	21.57	7.49
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	25.89	8.97
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	27.31	9.48
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	30.19	10.48
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	34.50	11.97
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	38.81	13.47
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	40.24	13.96
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	43.13	14.96
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	45.99	15.96
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	47.44	16.47
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	51.75	17.96
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	56.06	19.46
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	60.38	20.95
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	64.70	22.46
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	69.01	23.94
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	31.77	11.02
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	33.52	11.63
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	37.05	12.86
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	42.34	14.68
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	47.65	16.53
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	49.39	17.14
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	52.93	18.37
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	56.46	19.58
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	58.22	20.19
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	63.51	22.03
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	68.81	23.88
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	74.10	25.70
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	79.38	27.54
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	84.68	29.39
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	41.18	14.28
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	43.45	15.07
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	48.02	16.67
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	54.89	19.05
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	61.75	21.42
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	64.02	22.22
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	68.61	23.80
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	73.18	25.40
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	75.47	26.18
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	82.34	28.55
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	89.19	30.94
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	96.05	33.33
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	102.92	35.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	109.78	38.09
06 18 13 00-0061		Glue Laminated Decking *(06 18 13)*		
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.66	2.43
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.87	2.43
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	6.05	2.29

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001		Glue Laminated Structural Units *(06 18 16)* Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.20	4.97
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.25	5.51
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	34.68	11.77
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	37.96	12.34

06 20 Finish Carpentry *(06)*

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.76	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.93	1.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.90	1.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.46	1.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	17.14	4.94
		For Birch, Add	*3.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.25*	
		For Poplar, Add	*2.02*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
		For Stain Grade Material (No Finger Joints), Add	*1.31*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	22.86	5.93
		For Birch, Add	*5.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*7.33*	
		For Poplar, Add	*2.88*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.95*	
		For Stain Grade Material (No Finger Joints), Add	*1.87*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.64	3.39
		For Birch, Add	*1.08*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.91*	
		For Poplar, Add	*0.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
		For Stain Grade Material (No Finger Joints), Add	*0.39*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.74	3.39
		For Birch, Add	*1.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.41*	
		For Poplar, Add	*0.82*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.73	4.23
		For Birch, Add	*2.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.26*	
		For Poplar, Add	*1.14*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
		For Stain Grade Material (No Finger Joints), Add	*0.74*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	14.53	4.23
		For Birch, Add	*2.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.07*	
		For Poplar, Add	*1.50*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
		For Stain Grade Material (No Finger Joints), Add	*0.97*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	18.02	5.08
		For Birch, Add	*3.44*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.15*	
		For Poplar, Add	*1.91*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.95*	
		For Stain Grade Material (No Finger Joints), Add	*1.24*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.93	3.95
		For Birch, Add	*1.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.04*	
		For Poplar, Add	*0.66*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.46	2.96
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.88*	
		For Poplar, Add	*0.65*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.92	2.96
		For Birch, Add	*2.41*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.43*	
		For Poplar, Add	*1.34*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
		For Stain Grade Material (No Finger Joints), Add	*0.87*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.47	1.69
		For Birch, Add	*0.55*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.98*	
		For Poplar, Add	*0.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
		For Stain Grade Material (No Finger Joints), Add	*0.20*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.85	1.69
		For Birch, Add	*0.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.15*	
		For Poplar, Add	*0.38*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
		For Stain Grade Material (No Finger Joints), Add	*0.25*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.42	2.12
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.65*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.42	2.12
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.65*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	8.17	2.12
		For Birch, Add	*1.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.44*	
		For Poplar, Add	*0.93*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
		For Stain Grade Material (No Finger Joints), Add	*0.60*	

06 22 13 00-0023 Closet Poles *(06 22 13)*

06 22 13 00-0024	LF	1-1/8" Diameter Pine Closet Poles	13.12	3.67
06 22 13 00-0025	LF	1-5/8" Diameter Pine Closet Poles	15.71	3.67
06 22 13 00-0026	LF	2" Diameter Pine Closet Poles	21.04	4.09

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Remove And Reinstall Base Cabinets	107.99	
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	93.91	
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	22.16	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	387.89	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	412.07	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	430.51	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	452.38	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	512.06	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	534.57	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	576.97	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	607.07	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	625.88	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	712.24	112.92
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	782.81	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	867.56	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	820.49	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	914.43	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	393.41	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	402.88	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	438.78	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	466.16	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	485.41	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	508.84	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	818.65	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	862.54	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	906.16	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	477.95	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	488.34	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	528.84	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	561.74	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	590.17	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	619.12	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	857.25	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	905.73	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	955.78	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0040		**Wall Cabinet, 12" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	350.22	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	372.47	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	410.11	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	435.84	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0045		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	297.78	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	305.21	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	319.97	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	328.31	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	337.57	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	353.26	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	377.21	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	410.11	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	435.84	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0055		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	308.81	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	324.51	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	336.52	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	349.44	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	366.98	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	386.77	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	404.72	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	419.49	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	428.49	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0065		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	339.75	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	368.36	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	392.03	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	420.25	49.40
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	447.60	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	488.51	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	500.03	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	543.51	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	559.40	84.69
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	379.27	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	409.72	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	436.14	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	466.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	542.25	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	545.49	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	564.36	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	615.19	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	631.08	84.69
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	420.62	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	457.50	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	485.76	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	514.90	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	558.79	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	595.11	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	625.01	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	682.27	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	702.76	84.69
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	401.45	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	429.71	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	460.46	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	496.30	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	581.85	112.92
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0101 Utility Cabinets, 84" High *(06 41 13 00-0006)*

06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	773.55	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	872.32	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	977.51	589.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,028.51	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,234.79	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,417.18	150.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	867.28	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	957.78	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,089.62	87.83
		For All Plywood Box Construction, Add	*224.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,158.08	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,425.02	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,623.03	150.57
		For All Plywood Box Construction, Add	*224.23*	

06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	352.05	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	373.47	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	390.08	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	410.11	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	462.43	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	483.11	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	519.99	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	547.33	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	564.31	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	641.48	112.92
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	701.94	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	776.59	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	735.03	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	817.94	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	357.57	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	366.12	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	397.43	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	422.06	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	439.46	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	460.14	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	733.19	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	771.56	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	810.59	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	431.09	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	441.48	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	477.38	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	506.60	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	531.35	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	557.55	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	767.19	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	810.16	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	854.70	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	318.97	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	338.47	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	372.43	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	395.41	91.75
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	272.05	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	278.56	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	291.49	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	299.82	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	308.16	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	322.01	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	343.21	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	372.43	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	395.41	91.75
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	281.24	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	295.10	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	306.19	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	318.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	333.90	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	351.85	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	367.04	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	380.89	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	388.97	84.69
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	311.26	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	337.12	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	358.03	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	382.57	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	407.17	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	443.49	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	454.09	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	492.05	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	507.02	84.69
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	346.18	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	372.96	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	396.62	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	423.01	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	490.79	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	493.11	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	510.14	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	555.45	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	569.51	84.69
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	382.02	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	415.23	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	440.73	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	466.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	505.49	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	537.22	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	563.44	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	614.27	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	632.92	84.69
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	365.61	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	391.11	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	418.19	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	450.35	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	525.80	112.92
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0209 Utility Cabinets, 84" High *(06 41 13 00-0114)*

06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	707.39	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	796.97	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	892.05	589.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	939.37	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,122.68	125.48
		For All Plywood Box Construction, Add	*224.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,285.77	150.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	790.09	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	872.32	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	990.38	87.83
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,053.32	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,289.93	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,466.80	150.57
		For All Plywood Box Construction, Add	*224.23*	

06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	352.05	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	373.47	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	390.08	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	410.11	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	462.43	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	483.11	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	519.99	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	547.33	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	564.31	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	641.48	112.92
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	701.94	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	776.59	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	735.03	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	817.94	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	357.57	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	366.12	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	397.43	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	422.06	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	439.46	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	460.14	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	733.19	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	771.56	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	810.59	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	431.09	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	441.48	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	477.38	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	506.60	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	531.35	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	557.55	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	767.19	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	810.16	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	854.70	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	

06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	318.97	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	338.47	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	372.43	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	395.41	91.75
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	272.05	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	278.56	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	291.49	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	299.82	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	308.16	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	322.01	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	343.21	77.63
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	372.43	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	395.41	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0271		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	281.24	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	295.10	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	306.19	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	318.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	333.90	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	351.85	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	367.04	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	380.89	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	388.97	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0281		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	311.26	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	337.12	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	358.03	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	382.57	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	407.17	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	443.49	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	454.09	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	492.05	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	507.02	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0291		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	346.18	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	372.96	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	396.62	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	423.01	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	490.79	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	493.11	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	510.14	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	555.45	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	569.51	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0301		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	382.02	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	415.23	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	440.73	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	466.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	505.49	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	537.22	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	563.44	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	614.27	77.63
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	632.92	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0311		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	365.61	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	391.11	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	418.19	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	450.35	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	525.80	112.92
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0317		**Utility Cabinets, 84" High** *(06 41 13 00-0222)*		
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	707.39	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	796.97	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	892.05	589.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	939.37	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,122.68	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,285.77	150.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	790.09	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	872.32	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	990.38	87.83
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,053.32	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,289.93	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,466.80	150.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0330		**Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0331		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	352.05	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	373.47	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	390.08	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	410.11	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	462.43	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	483.11	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	519.99	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	547.33	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	564.31	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	641.48	112.92
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	701.94	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	776.59	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	735.03	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	817.94	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	357.57	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	366.12	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	397.43	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	422.06	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	439.46	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	460.14	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	733.19	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	771.56	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	810.59	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	431.09	28.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	441.48	35.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	477.38	42.35
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	506.60	49.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	531.35	56.46
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	557.55	63.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	767.19	70.58
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	810.16	77.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	854.70	84.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0364		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	318.97	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	338.47	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	372.43	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	395.41	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0369		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	272.05	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	278.56	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	291.49	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	299.82	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	308.16	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	322.01	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	343.21	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	372.43	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	395.41	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0379		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	281.24	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	295.10	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	306.19	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	318.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	333.90	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	351.85	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	367.04	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	380.89	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	388.97	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	311.26	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	337.12	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	358.03	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	382.57	49.40
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	407.17	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	443.49	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	454.09	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	492.05	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	507.02	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	346.18	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	372.96	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	396.62	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	423.01	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	490.79	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	493.11	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	510.14	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	555.45	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	569.51	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	382.02	28.23
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	415.23	35.29
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	440.73	42.35
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	466.20	49.40
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	505.49	56.46
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	537.22	63.55
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	563.44	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	614.27	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	632.92	84.69
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	365.61	70.58
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	391.11	77.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	418.19	84.69
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	450.35	91.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	525.80	112.92
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0425 Utility Cabinets, 84" High *(06 41 13 00-0330)*

06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	707.39	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	796.97	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	892.05	589.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	939.37	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,122.68	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,285.77	150.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	790.09	62.73
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	872.32	75.29
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	990.38	87.83
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,053.32	100.38
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,289.93	125.48
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,466.80	150.57
		For All Plywood Box Construction, Add	*224.23*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Residential Cabinet Repairs *(06 41 93)*

06 41 93 00-0002	EA	Removal And Replacement Of Residential Cabinet Door Note: Includes all hardware.	118.99	
06 41 93 00-0003	EA	Removal And Replacement Of Residential Cabinet Drawer Note: Includes all hardware.	142.87	
06 41 93 00-0004	PR	Removal And Replacement Of Residential Drawer Guides	59.96	
06 41 93 00-0005	EA	Removal And Replacement Of Residential Knob/Pull	38.07	
06 41 93 00-0006	PR	Removal And Replacement Of Residential Hinges	29.59	

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001 Plastic Laminate *(06 42 19)*
Note: Standard colors and patterns.

06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	12.55	4.94

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	6.43	2.26
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	6.48	2.26
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	7.97	2.26
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	6.73	2.68
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	7.16	2.68
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.37	1.69
		For Clear Birch, Add	*0.87*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.79*	
		For Stain Grade Material (No Finger Joints), Add	*0.49*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	10.20	2.12
		For Clear Birch, Add	*1.01*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.12*	
		For Stain Grade Material (No Finger Joints), Add	*0.57*	
		For Clear Poplar, Add	*0.63*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	12.63	2.40
		For Clear Birch, Add	*1.56*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.97*	
		For Stain Grade Material (No Finger Joints), Add	*0.88*	
		For Clear Poplar, Add	*0.97*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	8.26	2.68
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe	8.01	2.68

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	10.12	2.54
		For Birch, Add	*1.43*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.58*	
		For Poplar, Add	*0.90*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	12.39	2.54
		For Birch, Add	*2.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.60*	
		For Poplar, Add	*1.35*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	7.51	2.54
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.90*	
		For Poplar, Add	*0.66*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	7.68	2.54
		For Birch, Add	*0.73*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.48*	
		For Poplar, Add	*0.92*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	9.56	2.68
		For Birch, Add	*1.32*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.24*	
		For Poplar, Add	*1.66*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	13.17	2.82
		For Birch, Add	*2.53*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.78*	
		For Poplar, Add	*3.16*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	15.14	2.82
		For Birch, Add	*3.14*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.57*	
		For Poplar, Add	*3.93*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	17.43	2.96
		For Birch, Add	*3.86*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.49*	
		For Poplar, Add	*4.82*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	22.30	3.24
		For Birch, Add	*5.49*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*7.57*	
		For Poplar, Add	*6.86*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.45	2.82
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.35	3.13
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	7.91	3.29
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	9.23	3.68
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	6.39	2.82
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	7.26	3.13
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	8.03	3.29
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	9.60	3.68

06 46 29 00-0011 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0012	LF	1" x 6" Cedar Fascia Board	6.83	2.82
06 46 29 00-0013	LF	1" x 8" Cedar Fascia Board	7.95	3.13
06 46 29 00-0014	LF	1" x 10" Cedar Fascia Board	9.07	3.29
06 46 29 00-0015	LF	1" x 12" Cedar Fascia Board	10.86	3.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0016		Engineered Wood Fascia Board *(06 46 29 00-0001)*		
06 46 29 00-0017	LF	1" x 6" Engineered Wood Fascia Board	6.23	2.82
06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board	7.05	3.13
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board	8.53	3.68
06 46 29 00-0020		Soffit *(06 46 29)*		
06 46 29 00-0021		Sanded Plywood Soffit *(06 46 29 00-0020)*		
06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit	6.19	2.13
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit	6.86	2.24
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit	7.20	2.34
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit	8.08	2.47
06 46 29 00-0026		MDO Plywood Soffit *(06 46 29 00-0020)*		
06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit	7.08	2.13
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit	8.00	2.24
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit	10.28	2.47
06 46 29 00-0030		Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0020)*		
06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	4.55	1.86
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.92	1.96

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001		Beams And Girders, Recycled Plastic Lumber *(06 51 13)*		
06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	14.03	2.28
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.87	2.48
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.86*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.36	2.68
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.51*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	31.11	3.18
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.32*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	37.25	3.57
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.43*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	20.21	3.08
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.16*	
		For >500, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	27.14	3.28
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.49*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	28.24	3.37
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.68*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	38.87	3.68
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.72*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	52.91	3.87
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For Composite Wood/Plastic Lumber, Deduct	*-9.47*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	9.11	1.28
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.45*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.62	1.35
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	16.44	1.49
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.86*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	20.08	1.79
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.51*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	29.56	2.08
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.32*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	35.97	2.68
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.43*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	18.50	1.89
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.16*	
		For >500, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	25.29	1.99
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.49*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	26.54	2.18
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.68*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	37.16	2.48
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.72*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	51.21	2.68
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For Composite Wood/Plastic Lumber, Deduct	*-9.47*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0024 Columns, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	21.63	4.07
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.16*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	30.69	5.76
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.49*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	32.65	6.46
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.68*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	44.11	7.35
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.72*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	60.28	9.04
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For Composite Wood/Plastic Lumber, Deduct	*-9.47*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0030 Walls, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	8.20	1.28
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.27*	
		For >750, Deduct	*-0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	9.39	1.49
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.45*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	13.03	1.58
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.73	1.69
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.86*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0035		Other Shapes, Recycled Plastic Lumber *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	8.00	1.14
		For Reinforced Structural Plastic Lumber, Add	*2.32*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.78*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.63*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.25*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.56*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.14	1.28
		For Reinforced Structural Plastic Lumber, Add	*3.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.04*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.16*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.66*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.23	1.28
		For Reinforced Structural Plastic Lumber, Add	*4.21*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.68*	
		For White Color, Add	*1.42*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.96*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.28*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-1.03*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	8.04	1.14
		For Reinforced Structural Plastic Lumber, Add	*2.33*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.26*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.88	1.28
		For Reinforced Structural Plastic Lumber, Add	*2.60*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.42*	
		For White Color, Add	*0.88*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.83*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.41*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.63*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	9.04	1.28
		For Reinforced Structural Plastic Lumber, Add	*2.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.87*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.44*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.57	1.10
		For Reinforced Structural Plastic Lumber, Add	*1.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.04*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.80*	
		For >750, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.20	1.28
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.27*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.39	1.49
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.45*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	13.03	1.58
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.73	1.69
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.86*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	20.08	1.79
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.51*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.24	1.89
		For Reinforced Structural Plastic Lumber, Add	*7.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.29*	
		For White Color, Add	*2.70*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.61*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.31*	
		For >750, Deduct	*-1.94*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.42	1.74
		For Reinforced Structural Plastic Lumber, Add	*4.04*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.37*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.84*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.19*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.61	1.86
		For Reinforced Structural Plastic Lumber, Add	*6.28*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.02*	
		For White Color, Add	*2.12*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.41*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.39*	
		For >750, Deduct	*-1.53*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.50	1.99
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.54*	
		For >750, Deduct	*-2.04*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.56	2.08
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.32*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.97	2.68
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.43*	
		For >750, Deduct	*-2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.50	1.89
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.16*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.29	1.99
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.49*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.96	2.15
		For Reinforced Structural Plastic Lumber, Add	*11.43*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.85*	
		For White Color, Add	*3.86*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.03*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.18*	
		For >500, Deduct	*-3.09*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.54	2.18
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.68*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	37.16	2.48
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For Composite Wood/Plastic Lumber, Deduct	*-6.72*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.21	2.68
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For Composite Wood/Plastic Lumber, Deduct	*-9.47*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	72.22	2.98
		For Reinforced Structural Plastic Lumber, Add	*25.15*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.08*	
		For White Color, Add	*8.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.67*	
		For Composite Wood/Plastic Lumber, Deduct	*-13.59*	
		For >500, Deduct	*-6.80*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.24	2.86
		For Reinforced Structural Plastic Lumber, Add	*22.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.61*	
		For White Color, Add	*7.52*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.64*	
		For Composite Wood/Plastic Lumber, Deduct	*-12.03*	
		For >500, Deduct	*-6.02*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	109.57	2.98
		For Reinforced Structural Plastic Lumber, Add	*38.97*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.32*	
		For White Color, Add	*13.17*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.38*	
		For Composite Wood/Plastic Lumber, Deduct	*-21.06*	
		For >500, Deduct	*-10.53*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	151.92	3.12
		For Reinforced Structural Plastic Lumber, Add	*54.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.85*	
		For White Color, Add	*18.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.34*	
		For Composite Wood/Plastic Lumber, Deduct	*-29.50*	
		For >500, Deduct	*-14.75*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.96	1.00
		For Reinforced Structural Plastic Lumber, Add	*1.68*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.27*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.18*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.97	1.28
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.91*	
		For White Color, Add	*1.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.93*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.02*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.71	1.49
		For Reinforced Structural Plastic Lumber, Add	*6.14*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.00*	
		For White Color, Add	*2.07*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.31*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.32*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	23.17	1.79
		For Reinforced Structural Plastic Lumber, Add	*7.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.24*	
		For White Color, Add	*2.58*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.36*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.12*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	51.10	2.08
		For Reinforced Structural Plastic Lumber, Add	*17.80*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.89*	
		For White Color, Add	*6.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.51*	
		For Composite Wood/Plastic Lumber, Deduct	*-9.62*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.84	1.10
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	7.04	1.14
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	10.14	1.21
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	12.90	1.25

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	54.24	4.54
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	73.10	5.45
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	95.18	5.99

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	7.51	2.82
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	9.21	3.53
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	7.16	2.96

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	7.04	2.82
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	8.40	2.96
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	10.96	3.10
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	12.39	3.24
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	14.06	3.39
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	17.50	3.53

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	11.25	2.82
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	14.91	3.53
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	15.45	3.53
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	15.99	3.53
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	20.64	4.23
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	23.98	4.23

06 65 00 00-0020 Dentil, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	9.82	2.82
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	10.84	2.82
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	13.15	2.82
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	17.13	2.82

06 65 00 00-0025 Cove, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.99	1.55
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	4.26	1.55
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	5.51	1.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	5.51	1.83
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	6.71	1.83
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	8.65	2.12
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	11.18	2.12
06 65 00 00-0033		**Chair Rail, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	6.48	2.12
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	8.71	2.82
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	10.26	2.82
06 65 00 00-0037		**Door, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.99	2.54
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	6.03	2.54
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.47	2.96
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.52	2.96
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	7.88	2.82
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	8.94	2.82
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	6.86	2.82
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	9.70	2.82
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	7.44	2.82
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)* Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.49	1.13
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.32	1.27
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.23	1.41
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.83	1.44
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	11.60	1.48
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.43	1.13
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.77	1.27
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	9.84	1.41
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	12.04	1.44
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	14.07	1.48
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	11.53	1.44
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	15.17	1.48
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.14	1.27
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	11.61	1.41

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001		**Molded Fiberglass Gratings And Coverings** *(06 74 13)*		
06 74 13 00-0002		**Vi-Corr Resin System** *(06 74 13 00-0001)* Note: Orange or dark gray.		
06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	48.96	3.27
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	47.63	3.27
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	61.38	3.27
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	66.88	4.18
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	51.25	3.27
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	49.87	3.27
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	64.69	3.27
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	70.00	4.18
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	45.99	2.62
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	73.47	2.88
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	100.08	3.16
06 74 13 00-0014		**IFR Fire Retardant Isophthalic Resin** *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	45.23	3.27
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.52	3.27
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	53.99	3.27
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	58.69	4.18
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	47.11	3.27
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	43.59	3.27
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	59.08	4.18
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	61.77	4.18
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	40.78	2.62
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	57.09	2.88
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	77.83	3.16
06 74 13 00-0026		**Corvex Polyester Resin** *(06 74 13 00-0001)* Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	38.76	3.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	37.33	3.27
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	44.71	3.27
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	51.65	4.18
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	41.14	3.27
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	39.69	3.27
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	47.47	3.27
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	54.01	4.18
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	36.25	2.62
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	56.85	2.88
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	78.23	3.16
06 74 13 00-0038		**XFR Extra Fire Retardant** *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	55.84	3.27
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	54.29	3.27
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	73.39	3.27
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	78.86	4.18
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	58.17	3.27
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	56.65	3.27
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	76.15	3.27
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	82.20	4.18
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	52.40	2.62
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	83.70	2.88
06 74 13 00-0049		**ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	57.20	3.27
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	55.55	3.27
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	71.49	3.27
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	77.06	4.18
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	59.36	3.27
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	58.00	3.27
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	74.15	3.27
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	79.75	4.18
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	58.33	2.62
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	103.77	2.88
06 74 13 00-0060		**Pultruded Fiberglass Grating** *(06 74 13)*		
06 74 13 00-0061		**ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)*		
		Note: For moderately corrosive environments, green.		
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.40	4.18
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.02	3.27
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.49	4.18
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.18	3.27
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	32.84	4.18
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	29.37	3.27
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	37.26	4.18
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	33.88	3.27
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	46.44	4.18
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	42.17	3.27
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	51.89	4.18
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	48.83	3.27
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	41.12	4.18
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	37.74	3.27
06 74 13 00-0078		**2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.24	4.18
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	45.31	4.18
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	54.13	4.18
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	51.25	4.18
06 74 13 00-0083		**VERF Vinyl Ester Resin System** *(06 74 13 00-0060)*		
06 74 13 00-0084		**1" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	43.69	3.27
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.33	3.27
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.83	3.27
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	55.70	3.27
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	34.10	3.27
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	30.74	3.27
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	38.79	3.27
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	35.79	3.27
06 74 13 00-0093		**1-1/2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	47.73	3.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	43.42	3.27
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	54.22	3.27
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	50.78	3.27
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	43.14	3.27
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	39.93	3.27
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	43.17	4.18
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.05	4.18
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	56.84	4.18
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	55.29	4.18

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001		Fiberglass Castings *(06 82)*		
06 82 00 00-0002		Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	14.34	5.45
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.82	5.45
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.90	6.53
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	25.85	6.53
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	25.97	6.53
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	27.38	6.53
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	29.28	6.53
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	32.30	6.53
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	71.39	8.17
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	81.14	8.17
06 82 00 00-0013		Fiberglass Channels *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	16.76	8.17
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	17.24	8.17
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	29.97	9.26
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	29.97	9.26
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	43.65	9.26
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	49.81	9.26
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	41.36	9.26
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	50.44	9.26
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	63.21	12.71
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	71.14	12.71
06 82 00 00-0024		Fiberglass Wide Flange Beams *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.65	10.89
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	44.73	10.89
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	52.60	13.08
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	54.07	13.08
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	81.06	16.34
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	98.38	16.34
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	166.69	19.97
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	185.63	19.97
06 82 00 00-0033		Fiberglass Flat Sheet *(06 82 00 00-0001)*		
		Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	34.70	9.26
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	35.91	9.26
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	51.49	10.89
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	57.92	10.89
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	68.49	13.08
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	78.15	13.08
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	91.34	16.34
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	106.13	16.34
06 82 00 00-0042		Fiberglass Bars *(06 82 00 00-0001)*		
06 82 00 00-0043		Square Bars *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	21.43	6.53
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	29.11	9.62
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	33.77	12.71
06 82 00 00-0047		Round Bars *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	31.79	8.17
06 82 00 00-0049	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	14.77	5.45
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	28.86	8.17
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	40.00	8.17
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	47.47	9.26

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0053		Fiberglass Tubes *(06 82 00 00-0001)*		
06 82 00 00-0054		Square Tube *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	16.10	5.45
06 82 00 00-0056	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	22.59	6.53
06 82 00 00-0057	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	39.64	8.17
06 82 00 00-0058	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	46.79	9.81
06 82 00 00-0059	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	17.04	5.45
06 82 00 00-0060	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	24.26	6.53
06 82 00 00-0061	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	43.51	8.17
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	57.56	9.81
06 82 00 00-0063		Round Tube *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	15.60	5.45
06 82 00 00-0065	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	26.31	6.53
06 82 00 00-0066	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	16.03	5.45
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	27.73	6.53
06 82 00 00-0068		Fiberglass Threaded Rods *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.45	4.18
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	19.43	4.18
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.29	4.72
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	24.18	4.72
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	26.34	4.72
06 82 00 00-0074		Grating Support Legs, VEFR Resin *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	13.52	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	5.79	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	21.78	
06 82 00 00-0078		Fiberglass Netting *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	1.05	0.50
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	1.05	0.50
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	1.05	0.50
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	1.05	0.50
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	1.05	0.50
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	1.04	0.50
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	1.04	0.50
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	1.04	0.50
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	1.04	0.50
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	1.04	0.50
06 82 00 00-0089		Fiberglass Stair Treads *(06 82)*		
06 82 00 00-0090		Fiberglass Stair Treads *(06 82 00 00-0089)*		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	137.97	28.51
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	158.27	28.51
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	178.58	28.51
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	198.88	28.51
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	150.15	28.51
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	173.50	28.51
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	196.85	28.51
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	220.20	28.51
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	168.83	28.51
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	196.85	28.51
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	224.87	28.51
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	252.89	28.51
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	149.58	28.51
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	172.78	28.51
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	195.99	28.51
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	219.19	28.51
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	163.50	28.51
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	190.18	28.51
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	216.87	28.51
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	243.56	28.51
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	184.85	28.51
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	216.87	28.51
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	248.90	28.51
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	280.92	28.51
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	21.80	5.06

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)*
Note: Includes adhesive and trim.

06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	4.45	2.53

END OF SECTION 06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	108.95	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	190.58	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	22.02	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	19.63	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	17.82	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	16.57	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	24.60	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	22.22	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	20.41	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	19.16	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	19.43	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	17.30	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	15.76	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	14.77	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	7.36	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	16 SF Granule Emergency Roof Patch Cover	87.37	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	712.11	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	4.70	2.02

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	40.48	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	93.60	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	6.42	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	8.02	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	9.16	

07 01 70 00-0005 Metal Roofing Repair *(07 01 70)*

07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	24.60	
07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	22.22	
07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	20.41	
07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	19.16	

07 01 70 00-0010 Removal And Reinstallation Of Metal Coping *(07 01 70)*

07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	10.17	
		For Up To 25 LF, Add	*5.09*	
		For >25 To 100 LF, Add	*2.54*	
		For >1,000 LF, Deduct	*-1.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 05 Common Work Results for Thermal and Moisture Protection
(07)

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,426.52	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,067.33	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	713.26	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	355.78	

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	184.02	
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	278.97	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	319.86	
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	501.60	

07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	146.33	
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	271.27	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001 Neoprene *(07 11 19)*

07 11 19 00-0002	SF	5 To 20 SF, 1/16" Patch Neoprene Roof	38.15	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	346.83	116.30
		For 30 Lb. Felt, Add	*85.68*	
		For Application To Horizontal Surfaces, Deduct	*-34.89*	
07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	441.42	130.83
		For 30 Lb. Felt, Add	*134.82*	
		For Application To Horizontal Surfaces, Deduct	*-39.25*	
07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	536.02	145.36
		For 30 Lb. Felt, Add	*183.96*	
		For Application To Horizontal Surfaces, Deduct	*-43.61*	
07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	630.61	159.91
		For 30 Lb. Felt, Add	*233.10*	
		For Application To Horizontal Surfaces, Deduct	*-47.97*	
07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	725.21	174.44
		For 30 Lb. Felt, Add	*282.24*	
		For Application To Horizontal Surfaces, Deduct	*-52.33*	

07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	278.18	114.29
		For Application To Horizontal Surfaces, Deduct	*-38.12*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	354.70	118.69
		For Application To Horizontal Surfaces, Deduct	*-39.56*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	446.82	123.67
		For Application To Horizontal Surfaces, Deduct	*-41.21*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	494.91	128.66
		For Application To Horizontal Surfaces, Deduct	*-42.89*	

07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	7.39	1.19
		For Floor Surfaces, Deduct	*-1.15*	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	487.13	166.75
		For Application To Horizontal Surfaces, Deduct	*-50.02*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	558.06	166.75
		For Application To Horizontal Surfaces, Deduct	*-50.02*	
07 13 53 00-0006		**Butyl Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	105.01	41.69
		For Joint Taping, Add	*14.86*	
		For Each Additional Ply, Add	*77.68*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	125.14	41.69
		For Joint Taping, Add	*15.86*	
		For Each Additional Ply, Add	*91.78*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0009		**Butyl With Nylon** *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	116.52	41.69
		For Joint Taping, Add	*15.43*	
		For Each Additional Ply, Add	*85.74*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	129.46	41.69
		For Joint Taping, Add	*16.08*	
		For Each Additional Ply, Add	*94.80*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0012		**Neoprene Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	182.71	41.69
		For Joint Taping, Add	*18.74*	
		For Each Additional Ply, Add	*132.07*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	268.37	41.69
		For Joint Taping, Add	*23.03*	
		For Each Additional Ply, Add	*192.04*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0015		**Neoprene With Nylon** *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	191.65	41.69
		For Joint Taping, Add	*19.19*	
		For Each Additional Ply, Add	*138.33*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	282.65	41.69
		For Joint Taping, Add	*23.74*	
		For Each Additional Ply, Add	*202.03*	
		For Application To Horizontal Surfaces, Deduct	*-6.27*	
07 13 53 00-0018		**Plastic Vapor Barrier (Polyethylene)** *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	45.61	17.21
		For Joint Taping, Add	*11.04*	
		For Each Additional Ply, Add	*35.74*	
		For Application To Horizontal Surfaces, Deduct	*-5.71*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	47.20	17.21
		For Joint Taping, Add	*11.12*	
		For Each Additional Ply, Add	*36.85*	
		For Application To Horizontal Surfaces, Deduct	*-5.71*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	74.29	17.21
		For Joint Taping, Add	*12.48*	
		For Each Additional Ply, Add	*55.81*	
		For Application To Horizontal Surfaces, Deduct	*-5.71*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	153.78	17.21
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	*111.88*	
		For Application To Horizontal Surfaces, Deduct	*-6.35*	
07 13 53 00-0023		**Polyvinyl Chloride (PVC) Vapor Barrier** *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	61.65	19.05
		For Joint Taping, Add	*11.84*	
		For Each Additional Ply, Add	*46.96*	
		For Application To Horizontal Surfaces, Deduct	*-5.71*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	80.24	19.75
		For Joint Taping, Add	*13.11*	
		For Each Additional Ply, Add	*60.12*	
		For Application To Horizontal Surfaces, Deduct	*-5.93*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	105.17	20.46
		For Joint Taping, Add	*14.67*	
		For Each Additional Ply, Add	*77.71*	
		For Application To Horizontal Surfaces, Deduct	*-6.14*	
07 13 53 00-0027		**Vinyl Plastic Vapor Barrier** *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	54.03	17.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.54	
		For Application To Horizontal Surfaces, Deduct	*-0.22*	
		For Reinforcing Fabric, Add	*0.57*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.99	
		For Application To Horizontal Surfaces, Deduct	*-0.23*	
		For Reinforcing Fabric, Add	*0.57*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.19	
		For Application To Horizontal Surfaces, Deduct	*-0.50*	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.78	
		For Application To Horizontal Surfaces, Deduct	*-0.53*	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.42	
		For Application To Horizontal Surfaces, Deduct	*-0.56*	

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.06	

07 14 16 00-0007 Copolymer Compound *(07 14 16)*

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	4.73	

07 14 16 00-0009 Fluid Applied 100% Rubber Polymer *(07 14 16)*

Note: Product as manufactured by Dow Chemical or equal.

07 14 16 00-0010	SF	15-20 Mil Graywall, Fluid Applied Rubber Waterproofing	5.48	
07 14 16 00-0011	SF	40 Mil Rub-R-Wall, Fluid Applied Rubber Waterproofing	7.03	
07 14 16 00-0012	SF	40 Mil Rub-R-Wall Plus, Fluid Applied Rubber Waterproofing	7.18	

07 14 16 00-0013 Fluid Applied Neoprene *(07 14 16)*

07 14 16 00-0014	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	570.12	
		For Application To Horizontal Surfaces, Deduct	*-60.74*	
07 14 16 00-0015	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,065.41	
		For Application To Horizontal Surfaces, Deduct	*-119.17*	
07 14 16 00-0016	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,732.97	
		For Application To Horizontal Surfaces, Deduct	*-178.66*	

07 14 16 00-0017 Polyester Membrane Waterproofing System *(07 14 16)*

Note: Kemper Systems Inc.

07 14 16 00-0018	SQ	Primer For Polyester Membrane Waterproofing System (Kemperol)	216.82	
07 14 16 00-0019	SQ	Resin For Polyester Membrane Waterproofing System (Kemperol)	1,281.77	
07 14 16 00-0020	SQ	Fleece For Polyester Membrane Waterproofing System (Kemperol)	1,585.39	

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	6.25	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	7.29	

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	679.24	
		For Application To Horizontal Surfaces, Deduct	*-88.98*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	433.80	136.37
		For Application To Horizontal Surfaces, Deduct	*-40.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	407.75	144.09
		For Application To Horizontal Surfaces, Deduct	*-44.29*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	535.55	150.25
		For Application To Horizontal Surfaces, Deduct	*-45.07*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	433.82	124.98
		For Application To Horizontal Surfaces, Deduct	*-37.48*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)*

Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Exlucdes surface preparaion, deck crack repair, joint sealants or markings.

07 18 13 00-0002	SQ	Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit)	173.21
07 18 13 00-0003	SQ	32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	504.03
07 18 13 00-0004	SQ	16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	288.49
07 18 13 00-0005	SQ	16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	346.06
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.68

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	2.60
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.11
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	3.40

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.76
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.12

07 19 16 00-0004 Silane Penetrating Water Repellent *(07 19 16)*

07 19 16 00-0005	SF	Spray On Cast Or Pre-Cast Concrete/Fiber Cement Siding, 100% Silane Penetrating Water Repellent (Keim Silan-100)	0.73
07 19 16 00-0006	SF	Spray On Brick/Natural Stone, 100% Silane Penetrating Water Repellent (Keim Silan-100)	0.88
07 19 16 00-0007	SF	Spray On Portland Stucco, 100% Silane Penetrating Water Repellent (Keim Silan-100)	1.13
07 19 16 00-0008	SF	Spray On Block/Gunite/Shotcrete, 100% Silane Penetrating Water Repellent (Keim Silan-100)	1.74

07 19 16 00-0009 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0010	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.43
07 19 16 00-0011	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	2.07
07 19 16 00-0012	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.59
07 19 16 00-0013	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.85

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0143 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.40	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.12	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.27	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.57	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.00	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.07	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.35	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.63	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.75	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.86	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.98	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.09	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.21	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.28	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.56*	
		For 60 PSI Compressive Strength, Add	*0.89*	
		For 115 PSI Compressive Strength, Add	*3.86*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.66	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.70*	
		For 60 PSI Compressive Strength, Add	*1.11*	
		For 115 PSI Compressive Strength, Add	*4.84*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.97	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*5.63*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.03	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.76*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.55	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*9.62*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.07	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.06*	
		For 115 PSI Compressive Strength, Add	*13.48*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.84	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.50*	
		For 115 PSI Compressive Strength, Add	*15.41*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.40	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.22	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.37	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.78	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.99	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.06	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.34	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.63	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.85	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	5.07	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.36	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.68	0.53
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.54*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*8.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	9.03	0.54
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.27	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.50*	
		For 60 PSI Compressive Strength, Add	*0.81*	
		For 115 PSI Compressive Strength, Add	*3.46*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.65	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.64*	
		For 60 PSI Compressive Strength, Add	*1.03*	
		For 115 PSI Compressive Strength, Add	*4.44*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.96	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.21*	
		For 115 PSI Compressive Strength, Add	*5.24*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.03	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.78*	
		For 60 PSI Compressive Strength, Add	*1.24*	
		For 115 PSI Compressive Strength, Add	*5.37*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.65	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.17*	
		For 115 PSI Compressive Strength, Add	*9.48*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.28	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.10*	
		For 115 PSI Compressive Strength, Add	*13.60*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	7.22	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.99*	
		For 40 PSI Compressive Strength, Add	*2.34*	
		For 60 PSI Compressive Strength, Add	*3.63*	
		For 115 PSI Compressive Strength, Add	*15.96*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.86	0.60
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.18	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.50	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.06	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.97	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.35	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.47	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.60	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.70	0.60
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.12	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.54	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	

07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.06	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	6.07	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.45	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.69	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.81	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.19	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.59	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.99	0.60
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.72	0.67
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.45	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.91	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.02	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.43	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.83	0.60
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.66	0.67
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.39	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.95	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.73	0.56
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.86	0.56
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.90	0.56
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.49	0.56
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.14	0.56
		For >1,600, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.93	0.71
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.33	0.71
		For >1,600, Deduct	*-0.43*	
07 21 16 00-0010		**Unfaced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.65	0.56
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.79	0.56
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.22	0.56
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.40	0.56
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.50	0.56
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.77	0.71
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.23	0.71
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0018		**Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.96	0.56
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.17	0.56
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.44	0.56
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.43	0.71
		For >1,600, Deduct	*-0.46*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.73	0.71
		For >1,600, Deduct	*-0.51*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.77	0.56
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.90	0.56
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.57	0.56
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.16	0.56
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.85	0.71
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.23	0.71
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.92	0.56
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.53	0.56
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	3.88	0.56
		For >1,600, Deduct	*-0.57*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.61	0.56
		For >1,600, Deduct	*-0.69*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.80	0.56
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.33	0.56
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.50	0.56
		For >1,600, Deduct	*-0.50*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.15	0.56
		For >1,600, Deduct	*-0.59*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch™ Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.58	0.56
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.87	0.56
		For >1,600, Deduct	*-0.40*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.19	0.56
		For >1,600, Deduct	*-0.47*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.22	0.56
		For >1,600, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 21 19 Foamed-In-Place Insulation *(07 21)*

07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On *(07 21 19)*

07 21 19 00-0002	EA	Minimum Charge For Foamed-In-Place, Spray Polyurethane Insulation Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,768.27	
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.74	
		For Up To 250 SF, Add	*0.68*	
		For >250 To 500 SF, Add	*0.34*	
		For >500 To 1,000 SF, Add	*0.14*	
		For >5,000 To 10,000 SF, Deduct	*-0.21*	
		For >10,000 SF, Deduct	*-0.54*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.33	
		For Up To 250 SF, Add	*0.88*	
		For >250 To 500 SF, Add	*0.44*	
		For >500 To 1,000 SF, Add	*0.19*	
		For >5,000 To 10,000 SF, Deduct	*-0.28*	
		For >10,000 SF, Deduct	*-0.69*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.92	
		For Up To 250 SF, Add	*1.08*	
		For >250 To 500 SF, Add	*0.54*	
		For >500 To 1,000 SF, Add	*0.23*	
		For >5,000 To 10,000 SF, Deduct	*-0.34*	
		For >10,000 SF, Deduct	*-0.85*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.50	
		For Up To 250 SF, Add	*1.27*	
		For >250 To 500 SF, Add	*0.64*	
		For >500 To 1,000 SF, Add	*0.27*	
		For >5,000 To 10,000 SF, Deduct	*-0.41*	
		For >10,000 SF, Deduct	*-1.00*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.09	
		For Up To 250 SF, Add	*1.47*	
		For >250 To 500 SF, Add	*0.74*	
		For >500 To 1,000 SF, Add	*0.31*	
		For >5,000 To 10,000 SF, Deduct	*-0.47*	
		For >10,000 SF, Deduct	*-1.16*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.69	
		For Up To 250 SF, Add	*1.68*	
		For >250 To 500 SF, Add	*0.84*	
		For >500 To 1,000 SF, Add	*0.36*	
		For >5,000 To 10,000 SF, Deduct	*-0.54*	
		For >10,000 SF, Deduct	*-1.32*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.29	
		For Up To 250 SF, Add	*1.88*	
		For >250 To 500 SF, Add	*0.94*	
		For >500 To 1,000 SF, Add	*0.40*	
		For >5,000 To 10,000 SF, Deduct	*-0.60*	
		For >10,000 SF, Deduct	*-1.48*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.88	
		For Up To 250 SF, Add	*2.08*	
		For >250 To 500 SF, Add	*1.04*	
		For >500 To 1,000 SF, Add	*0.44*	
		For >5,000 To 10,000 SF, Deduct	*-0.67*	
		For >10,000 SF, Deduct	*-1.63*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.47	
		For Up To 250 SF, Add	*2.28*	
		For >250 To 500 SF, Add	*1.14*	
		For >500 To 1,000 SF, Add	*0.49*	
		For >5,000 To 10,000 SF, Deduct	*-0.73*	
		For >10,000 SF, Deduct	*-1.79*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.06	
		For Up To 250 SF, Add	*2.48*	
		For >250 To 500 SF, Add	*1.24*	
		For >500 To 1,000 SF, Add	*0.53*	
		For >5,000 To 10,000 SF, Deduct	*-0.80*	
		For >10,000 SF, Deduct	*-1.95*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.65	
		For Up To 250 SF, Add	*2.68*	
		For >250 To 500 SF, Add	*1.34*	
		For >500 To 1,000 SF, Add	*0.57*	
		For >5,000 To 10,000 SF, Deduct	*-0.86*	
		For >10,000 SF, Deduct	*-2.10*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.33	
		For Up To 250 SF, Add	*1.28*	
		For >250 To 500 SF, Add	*0.64*	
		For >500 To 1,000 SF, Add	*0.27*	
		For >5,000 To 10,000 SF, Deduct	*-0.40*	
		For >10,000 SF, Deduct	*-1.01*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.37	
		For Up To 250 SF, Add	*1.61*	
		For >250 To 500 SF, Add	*0.81*	
		For >500 To 1,000 SF, Add	*0.34*	
		For >5,000 To 10,000 SF, Deduct	*-0.51*	
		For >10,000 SF, Deduct	*-1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.29	
		For Up To 250 SF, Add	*1.88*	
		For >250 To 500 SF, Add	*0.94*	
		For >500 To 1,000 SF, Add	*0.40*	
		For >5,000 To 10,000 SF, Deduct	*-0.60*	
		For >10,000 SF, Deduct	*-1.48*	
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.33	
		For Up To 250 SF, Add	*2.21*	
		For >250 To 500 SF, Add	*1.10*	
		For >500 To 1,000 SF, Add	*0.47*	
		For >5,000 To 10,000 SF, Deduct	*-0.71*	
		For >10,000 SF, Deduct	*-1.73*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.25	
		For Up To 250 SF, Add	*2.48*	
		For >250 To 500 SF, Add	*1.24*	
		For >500 To 1,000 SF, Add	*0.53*	
		For >5,000 To 10,000 SF, Deduct	*-0.80*	
		For >10,000 SF, Deduct	*-1.94*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.29	
		For Up To 250 SF, Add	*2.80*	
		For >250 To 500 SF, Add	*1.40*	
		For >500 To 1,000 SF, Add	*0.61*	
		For >5,000 To 10,000 SF, Deduct	*-0.91*	
		For >10,000 SF, Deduct	*-2.20*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.21	
		For Up To 250 SF, Add	*3.08*	
		For >250 To 500 SF, Add	*1.54*	
		For >500 To 1,000 SF, Add	*0.67*	
		For >5,000 To 10,000 SF, Deduct	*-1.00*	
		For >10,000 SF, Deduct	*-2.41*	
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.25	
		For Up To 250 SF, Add	*3.40*	
		For >250 To 500 SF, Add	*1.70*	
		For >500 To 1,000 SF, Add	*0.74*	
		For >5,000 To 10,000 SF, Deduct	*-1.11*	
		For >10,000 SF, Deduct	*-2.67*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.16	
		For Up To 250 SF, Add	*3.67*	
		For >250 To 500 SF, Add	*1.83*	
		For >500 To 1,000 SF, Add	*0.80*	
		For >5,000 To 10,000 SF, Deduct	*-1.20*	
		For >10,000 SF, Deduct	*-2.87*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.21	
		For Up To 250 SF, Add	*4.00*	
		For >250 To 500 SF, Add	*2.00*	
		For >500 To 1,000 SF, Add	*0.87*	
		For >5,000 To 10,000 SF, Deduct	*-1.31*	
		For >10,000 SF, Deduct	*-3.13*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	13.13	
		For Up To 250 SF, Add	*4.27*	
		For >250 To 500 SF, Add	*2.13*	
		For >500 To 1,000 SF, Add	*0.93*	
		For >5,000 To 10,000 SF, Deduct	*-1.40*	
		For >10,000 SF, Deduct	*-3.34*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.86	
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	7.31	
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.78	
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	10.30	
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	11.90	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	5.75	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	8.27	3.24
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.68	3.24

07 21 23 00-0004 Concrete Block Wall Cavity Insulation *(07 21 23)*

07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	11.14	3.24
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	11.04	3.24

07 21 26 Blown Insulation *(07 21)*

07 21 26 00-0001 Fiberglass Blown-In Insulation *(07 21 26)*

07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.79	1.46
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	2.00	1.61
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	2.21	1.75
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.47	1.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.62	1.97
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.82	2.04
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	3.04	2.12
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	3.18	2.19
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	3.41	2.33
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.60	2.41
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.86	2.48
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	4.19	2.63
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.84	2.92
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.58	1.46
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.43	1.75
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	4.06	1.90
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.82	2.04
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.46	1.46
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.31	1.75
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.94	1.90
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.70	2.04
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.86	1.46
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.22	1.61
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.47	1.75
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.86	1.90
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.92	1.90
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.37	2.04
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.46	2.04
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.78	2.19
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	4.01	2.19
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.32	2.33
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.54	2.33
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.43	1.46
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.21	1.75
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.76	1.90
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.42	2.04
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.31	1.46
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	3.09	1.75
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.64	1.90
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.30	2.04
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)*		
		Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.76	0.81
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	2.02	0.81
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.93	0.81

07 22 Roof and Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.55	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.40	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.17	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.94	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.78	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.27	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.49	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.49	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.75	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.05	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.80	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.28	
07 22 16 00-0019		Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.46	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.65	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.06	
07 22 16 00-0023		Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.45	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.60	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	9.91	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.02	
07 22 16 00-0028		Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.53	
		For Loose-Laid, Deduct	*-1.37*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.60	
		For Loose-Laid, Deduct	*-1.37*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.89	
		For Loose-Laid, Deduct	*-1.38*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.16	
		For Loose-Laid, Deduct	*-1.38*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.30	
		For Loose-Laid, Deduct	*-1.40*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.42	
		For Loose-Laid, Deduct	*-1.41*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.55	
		For Loose-Laid, Deduct	*-1.43*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.68	
		For Loose-Laid, Deduct	*-1.45*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.81	
		For Loose-Laid, Deduct	*-1.46*	
07 22 16 00-0038		Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)* Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.30	
		For Loose-Laid, Deduct	*-1.27*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.31*	
		For 115 PSI Compressive Strength, Add	*5.67*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.35	
		For Loose-Laid, Deduct	*-1.27*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.34*	
		For 115 PSI Compressive Strength, Add	*5.79*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.28	
		For Loose-Laid, Deduct	*-1.27*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.19*	
		For 60 PSI Compressive Strength, Add	*1.88*	
		For 100 PSI Compressive Strength, Add	*2.41*	
		For 115 PSI Compressive Strength, Add	*8.18*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.88	
		For Loose-Laid, Deduct	*-1.29*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.21*	
		For 115 PSI Compressive Strength, Add	*9.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.92	
		For Loose-Laid, Deduct	*-1.29*	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.81*	
		For 60 PSI Compressive Strength, Add	*2.81*	
		For 100 PSI Compressive Strength, Add	*3.62*	
		For 115 PSI Compressive Strength, Add	*12.32*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.41	
		For Loose-Laid, Deduct	*-1.30*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.08*	
		For 115 PSI Compressive Strength, Add	*13.51*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.19	
		For Loose-Laid, Deduct	*-1.32*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.52*	
		For 115 PSI Compressive Strength, Add	*15.44*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.96	
		For Loose-Laid, Deduct	*-1.27*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.06	
		For Loose-Laid, Deduct	*-1.27*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.25	
		For Loose-Laid, Deduct	*-1.28*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.71	
		For Loose-Laid, Deduct	*-1.29*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.19	
		For Loose-Laid, Deduct	*-1.30*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.66	
		For Loose-Laid, Deduct	*-1.30*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.16	
		For Loose-Laid, Deduct	*-1.31*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.62	
		For Loose-Laid, Deduct	*-1.32*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.42	

07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.16	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.35	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.48	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.55	

07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.09	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.38	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.45	

07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.51	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.80	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.18	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.99	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.23	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.60	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.56	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.07	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.67	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.06	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.56	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.10	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.07	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.28	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.71	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.15	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.93	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.72	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.52	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.01	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.21	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.46	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.78	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.52	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	3.99	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.18	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.36	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.79	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.16	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.32	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.63	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.75	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.27	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.34	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.49	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.89	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.03	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.18	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.30	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.44	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.56	
07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.01	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.67*	
		For 60 PSI Compressive Strength, Add	*1.09*	
		For 115 PSI Compressive Strength, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.08	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.69*	
		For 60 PSI Compressive Strength, Add	*1.12*	
		For 115 PSI Compressive Strength, Add	*4.80*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.00	
		For 25 PSI Compressive Strength, Add	*0.44*	
		For 40 PSI Compressive Strength, Add	*1.04*	
		For 60 PSI Compressive Strength, Add	*1.65*	
		For 100 PSI Compressive Strength, Add	*2.12*	
		For 115 PSI Compressive Strength, Add	*7.17*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.72	
		For 25 PSI Compressive Strength, Add	*0.53*	
		For 40 PSI Compressive Strength, Add	*1.26*	
		For 60 PSI Compressive Strength, Add	*1.99*	
		For 115 PSI Compressive Strength, Add	*8.65*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	17.16	
		For 25 PSI Compressive Strength, Add	*0.70*	
		For 40 PSI Compressive Strength, Add	*1.66*	
		For 60 PSI Compressive Strength, Add	*3.17*	
		For 100 PSI Compressive Strength, Add	*3.91*	
		For 115 PSI Compressive Strength, Add	*12.49*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.13	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For 40 PSI Compressive Strength, Add	*1.83*	
		For 60 PSI Compressive Strength, Add	*2.86*	
		For 115 PSI Compressive Strength, Add	*12.49*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.91	
		For 25 PSI Compressive Strength, Add	*0.89*	
		For 40 PSI Compressive Strength, Add	*2.11*	
		For 60 PSI Compressive Strength, Add	*3.29*	
		For 115 PSI Compressive Strength, Add	*14.42*	
07 22 16 00-0125		Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.67	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.79	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.96	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.43	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.91	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.38	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.77	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.34	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0134		Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.89	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.08	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.21	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.28	
07 22 16 00-0139		Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.82	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.12	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.18	
07 22 16 00-0143		Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.38	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.82	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.65*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.24	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.59*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.11	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.88	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.61	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.59*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.11	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.59*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.33	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.59	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.89	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0157		SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.74	
			For Mechanically Fastened To Concrete, Add	*1.63*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0158		SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.21	
			For Mechanically Fastened To Concrete, Add	*1.63*	
			For Mechanically Fastened To Gypsum, Add	*2.07*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0160		SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.30	
			For Mechanically Fastened To Concrete, Add	*1.58*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0161		SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.59	
			For Mechanically Fastened To Concrete, Add	*1.63*	
			For Mechanically Fastened To Gypsum, Add	*2.07*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 22 16 00-0162		SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.10	
			For Mechanically Fastened To Concrete, Add	*1.68*	
			For Mechanically Fastened To Gypsum, Add	*2.16*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164		SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.39	
			For Mechanically Fastened To Concrete, Add	*1.63*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0165		SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.54	
			For Mechanically Fastened To Concrete, Add	*1.63*	
			For Mechanically Fastened To Gypsum, Add	*2.07*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 22 16 00-0166		SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.95	
			For Mechanically Fastened To Concrete, Add	*1.68*	
			For Mechanically Fastened To Gypsum, Add	*2.16*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0167		SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.23	
			For Mechanically Fastened To Concrete, Add	*1.72*	
			For Mechanically Fastened To Gypsum, Add	*2.07*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.37	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.44	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.73	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.65*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.00	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.65*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.24	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.46	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.76	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	8.10	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.37*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.73	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.79*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.14	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.22*	
		For 115 PSI Compressive Strength, Add	*5.25*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.19	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.78*	
		For 60 PSI Compressive Strength, Add	*1.25*	
		For 115 PSI Compressive Strength, Add	*5.38*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.22	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.17*	
		For 60 PSI Compressive Strength, Add	*1.84*	
		For 100 PSI Compressive Strength, Add	*2.37*	
		For 115 PSI Compressive Strength, Add	*8.03*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.82	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.18*	
		For 115 PSI Compressive Strength, Add	*9.50*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.96	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For 40 PSI Compressive Strength, Add	*1.82*	
		For 60 PSI Compressive Strength, Add	*2.84*	
		For 100 PSI Compressive Strength, Add	*3.65*	
		For 115 PSI Compressive Strength, Add	*12.43*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.45	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.11*	
		For 115 PSI Compressive Strength, Add	*13.61*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.40	
		For 25 PSI Compressive Strength, Add	*0.99*	
		For 40 PSI Compressive Strength, Add	*2.34*	
		For 60 PSI Compressive Strength, Add	*3.64*	
		For 115 PSI Compressive Strength, Add	*15.98*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0186		Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.79	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.90	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.18	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.65	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.09*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.23	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.70	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0193		SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.37	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.42*	
			For Mechanically Fastened To Concrete, Add	*1.72*	
			For Mechanically Fastened To Gypsum, Add	*2.07*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.91*	
07 22 16 00-0194		SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.83	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.46*	
			For Mechanically Fastened To Concrete, Add	*1.72*	
			For Mechanically Fastened To Gypsum, Add	*2.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196		SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.26	
			For Mechanically Fastened To Concrete, Add	*1.58*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.54*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.62*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198		SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.99	
			For Mechanically Fastened To Concrete, Add	*1.58*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.54*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.62*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0199		SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.19	
			For Mechanically Fastened To Concrete, Add	*1.58*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.54*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.62*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0200		SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.32	
			For Mechanically Fastened To Concrete, Add	*1.58*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.54*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.62*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0201		SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.39	
			For Mechanically Fastened To Concrete, Add	*1.58*	
			For Mechanically Fastened To Gypsum, Add	*2.14*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.54*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.62*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened		2.93	
		For Mechanically Fastened To Concrete, Add		*1.58*	
		For Mechanically Fastened To Gypsum, Add		*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.62*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.05*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened		3.22	
		For Mechanically Fastened To Concrete, Add		*1.58*	
		For Mechanically Fastened To Gypsum, Add		*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.62*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.05*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened		3.29	
		For Mechanically Fastened To Concrete, Add		*1.58*	
		For Mechanically Fastened To Gypsum, Add		*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.62*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.05*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened		5.45	
		For Mechanically Fastened To Concrete, Add		*1.63*	
		For Mechanically Fastened To Gypsum, Add		*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.09*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened		5.73	
		For Mechanically Fastened To Concrete, Add		*1.63*	
		For Mechanically Fastened To Gypsum, Add		*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.09*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened		6.22	
		For Mechanically Fastened To Concrete, Add		*1.68*	
		For Mechanically Fastened To Gypsum, Add		*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*4.23*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.28*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened		6.46	
		For Mechanically Fastened To Concrete, Add		*1.68*	
		For Mechanically Fastened To Gypsum, Add		*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*4.23*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*4.38*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened		7.20	
		For Mechanically Fastened To Concrete, Add		*1.72*	
		For Mechanically Fastened To Gypsum, Add		*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*3.59*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*5.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.44	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	8.02	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.52*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.60	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.11	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.88	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.27	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.98	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.47*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.52	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.47*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	9.71	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.16*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.42	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.29	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.96	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.62	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.28	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.19	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.85	
		For 25 PSI Compressive Strength, Add	*0.74*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.52	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.18	
		For 25 PSI Compressive Strength, Add	*0.87*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.06	
		For 25 PSI Compressive Strength, Add	*0.92*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.09	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.62	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.95	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.52	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.85	
		For 25 PSI Compressive Strength, Add	*0.84*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.39	
		For 25 PSI Compressive Strength, Add	*0.95*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.29	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.18	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.06	
		For 25 PSI Compressive Strength, Add	*1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	19.94	
		For 25 PSI Compressive Strength, Add	*1.27*	
07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.67	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.59	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.09	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.58	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.08	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.02	
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.52	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.02	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.51	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.44	
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.43	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.84	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.83	
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.27	
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.27	
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.69	
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.34	
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.77	
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.18	
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	18.10	
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.27	
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.15	
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.78	
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.41	
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.04	
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.95	
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.59	
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.22	
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.85	
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.74	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.96	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.47	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.73	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.27	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.53	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.05	
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.10	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.90	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.68	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	19.47	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.78	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.95	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.35	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.82	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.21	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.39	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.79	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.25	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.65	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.83	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.09	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.65	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.51	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.09	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.95	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.52	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.04	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.48	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.92	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	24.34	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.02	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.87	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.53	
		For 25 PSI Compressive Strength, Add	*0.41*	
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.88	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.86	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.54	
		For 25 PSI Compressive Strength, Add	*0.56*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.20	
		For 25 PSI Compressive Strength, Add	*0.63*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.87	
		For 25 PSI Compressive Strength, Add	*0.70*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.53	
		For 25 PSI Compressive Strength, Add	*0.76*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.20	
		For 25 PSI Compressive Strength, Add	*0.78*	

07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.86	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.20	
		For 25 PSI Compressive Strength, Add	*0.38*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.53	
		For 25 PSI Compressive Strength, Add	*0.51*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.87	
		For 25 PSI Compressive Strength, Add	*0.60*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.20	
		For 25 PSI Compressive Strength, Add	*0.73*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.54	
		For 25 PSI Compressive Strength, Add	*0.81*	

07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.87	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.53	
		For 25 PSI Compressive Strength, Add	*0.66*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.20	
		For 25 PSI Compressive Strength, Add	*0.88*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	18.88	
		For 25 PSI Compressive Strength, Add	*1.09*	

07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.89
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.53
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.93
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.73
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.12
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	12.74
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.14
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.94
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.33
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	16.97

07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.19
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.23
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.42
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	13.44
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.63
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	17.67

07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	10.62
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	14.83
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	76.92
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	23.28

07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)*

Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.36	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.67	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.33	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.17	
		For 25 PSI Compressive Strength, Add	*0.51*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.83	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.27	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.94	
		For 25 PSI Compressive Strength, Add	*0.65*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.82	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.49	
		For 25 PSI Compressive Strength, Add	*0.80*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.12	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.03	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.00	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.50	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.60	
		For 25 PSI Compressive Strength, Add	*0.61*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.15	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.45	
		For 25 PSI Compressive Strength, Add	*0.86*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.66	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.84	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.11	
		For 25 PSI Compressive Strength, Add	*0.93*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	19.22	
		For 25 PSI Compressive Strength, Add	*1.20*	
		For Mechanically Fastened To Concrete, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.31*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.61	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.96	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.46	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.13	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.63	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.11	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.60	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.32	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.82	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.49	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.36	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.21	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.38	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.35	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.57	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.74	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.71	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.85	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.24	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	17.38	
		For Mechanically Fastened To Concrete, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.31*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0420		SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.21	
			For Mechanically Fastened To Concrete, Add	*1.63*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0421		SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.53	
			For Mechanically Fastened To Concrete, Add	*1.68*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0422		SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.54	
			For Mechanically Fastened To Concrete, Add	*1.68*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0423		SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.96	
			For Mechanically Fastened To Concrete, Add	*1.72*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	
07 22 16 00-0424		SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.59	
			For Mechanically Fastened To Concrete, Add	*1.72*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0425		SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.04	
			For Mechanically Fastened To Concrete, Add	*1.77*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0426		SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.67	
			For Mechanically Fastened To Concrete, Add	*1.77*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0427		SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.52	
			For Mechanically Fastened To Concrete, Add	*1.82*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0428		SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.15	
			For Mechanically Fastened To Concrete, Add	*1.82*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		13.79	
		For Mechanically Fastened To Concrete, Add		*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*5.94*	
07 22 16 00-0430		Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*			
07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		4.89	
		For Mechanically Fastened To Concrete, Add		*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*4.05*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		6.84	
		For Mechanically Fastened To Concrete, Add		*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*4.28*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		8.27	
		For Mechanically Fastened To Concrete, Add		*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*4.51*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		10.35	
		For Mechanically Fastened To Concrete, Add		*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*4.88*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		11.84	
		For Mechanically Fastened To Concrete, Add		*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*5.29*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		14.11	
		For Mechanically Fastened To Concrete, Add		*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*5.94*	
07 22 16 00-0437		Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*			
07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened		7.47	
		For Mechanically Fastened To Concrete, Add		*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		*4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.99	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.74	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	18.47	
		For Mechanically Fastened To Concrete, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.31*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.05	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.33	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.72	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.69	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.09	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.63*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	12.47	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.87	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.89	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	15.29	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.88	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.36	
		For Mechanically Fastened To Concrete, Add	*1.63*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.04*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.97*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.02	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.28*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	10.39	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.07*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.51*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	13.17	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	14.59	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	17.58	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	10.42	
		For Mechanically Fastened To Concrete, Add	*1.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.11*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.38*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	14.57	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.88*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	18.97	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	23.62	
		For Mechanically Fastened To Concrete, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.94*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.64	
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.66	
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.68	
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.70	
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.71	
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.73	
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.74	
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.76	
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.78	
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.80	
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.82	
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.84	
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.86	

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.21	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.54*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.29*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.78	
		For Up To 100, Add	*0.86*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.57*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.35	
		For Up To 100, Add	*0.87*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.74*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.46*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.93	
		For Up To 100, Add	*0.89*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.83*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.59*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.49	
		For Up To 100, Add	*0.90*	
		For >100 To 500, Add	*0.45*	
		For >5,000, Deduct	*-0.18*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.83*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.59*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	7.61	
		For Up To 100, Add	*0.91*	
		For >100 To 500, Add	*0.45*	
		For >5,000, Deduct	*-0.18*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.05*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.76*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	5.48	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	6.09	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	7.73	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	8.23	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.67	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.12	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.56	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.50	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.50	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.60	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.31	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.95	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.32	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.95	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	4.70	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	5.36	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.02	
		For Up To 100, Add	*1.71*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.35	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.38	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.88	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.34	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0035		**Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.91	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0037		**Starter Tracks For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.28	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.62	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.02	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.85	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.62	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.02	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.41	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.33	
07 24 13 00-0046		**Demolish Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	7.12	
		For Up To 100, Add	*3.56*	
		For >100 To 500, Add	*1.78*	
		For >5,000, Deduct	*-0.71*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	36.99
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	34.66
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	42.13
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	53.10
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	32.26
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	109.11
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	159.61
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	226.74
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	310.47
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	82.09

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	14.87	4.23
		For Up To 50, Add	*5.55*	
		For >50 To 200, Add	*3.15*	
		For >200 To 500, Add	*1.16*	
		For >2,500, Deduct	*-0.74*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	16.09	4.23
		For Up To 50, Add	*6.05*	
		For >50 To 200, Add	*3.43*	
		For >200 To 500, Add	*1.26*	
		For >2,500, Deduct	*-0.80*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	6.08	2.82
		For Up To 50, Add	*2.96*	
		For >50 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.56*	
		For >2,500, Deduct	*-0.30*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	11.12	4.23
		For Up To 50, Add	*5.31*	
		For >50 To 200, Add	*2.93*	
		For >200 To 500, Add	*1.01*	
		For >2,500, Deduct	*-0.56*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	7.37	2.82
		For Up To 50, Add	*3.16*	
		For >50 To 200, Add	*1.76*	
		For >200 To 500, Add	*0.63*	
		For >2,500, Deduct	*-0.37*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	11.22	2.82
		For Up To 50, Add	*3.57*	
		For >50 To 200, Add	*2.06*	
		For >200 To 500, Add	*0.80*	
		For >2,500, Deduct	*-0.56*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.46
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.67
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.74
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.79

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	318.70	210.05
		For >35 To 75, Deduct	*-12.77*	
		For >75 To 100, Deduct	*-20.10*	
		For >100 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-44.64*	
		For Steep Roof, Over 7 To 12, Add	*61.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	334.21	220.59
		For >35 To 75, Deduct	*-13.37*	
		For >75 To 100, Deduct	*-21.05*	
		For >100 To 200, Deduct	*-31.42*	
		For >200, Deduct	*-46.79*	
		For Steep Roof, Over 7 To 12, Add	*64.17*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	386.74	231.59
		For >35 To 75, Deduct	*-17.61*	
		For >75 To 100, Deduct	*-26.40*	
		For >100 To 200, Deduct	*-38.71*	
		For >200, Deduct	*-56.29*	
		For Steep Roof, Over 7 To 12, Add	*67.40*	
07 31 13 13-0005		Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*		
		Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	397.47	268.14
		For >35 To 75, Deduct	*-15.37*	
		For >75 To 100, Deduct	*-24.54*	
		For >100 To 200, Deduct	*-36.78*	
		For >200, Deduct	*-55.12*	
		For Steep Roof, Over 7 To 12, Add	*77.99*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	420.72	255.31
		For >35 To 75, Deduct	*-18.86*	
		For >75 To 100, Deduct	*-28.43*	
		For >100 To 200, Deduct	*-41.78*	
		For >200, Deduct	*-60.93*	
		For Steep Roof, Over 7 To 12, Add	*74.29*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	455.77	281.55
		For >35 To 75, Deduct	*-19.98*	
		For >75 To 100, Deduct	*-30.37*	
		For >100 To 200, Deduct	*-44.76*	
		For >200, Deduct	*-65.55*	
		For Steep Roof, Over 7 To 12, Add	*81.92*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	440.07	243.17
		For >35 To 75, Deduct	*-21.90*	
		For >75 To 100, Deduct	*-31.81*	
		For >100 To 200, Deduct	*-46.10*	
		For >200, Deduct	*-65.91*	
		For Steep Roof, Over 7 To 12, Add	*70.74*	
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	494.45	295.65
		For >35 To 75, Deduct	*-22.57*	
		For >75 To 100, Deduct	*-33.81*	
		For >100 To 200, Deduct	*-49.55*	
		For >200, Deduct	*-72.02*	
		For Steep Roof, Over 7 To 12, Add	*85.99*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	527.53	295.65
		For >35 To 75, Deduct	*-25.88*	
		For >75 To 100, Deduct	*-37.78*	
		For >100 To 200, Deduct	*-54.85*	
		For >200, Deduct	*-78.63*	
		For Steep Roof, Over 7 To 12, Add	*85.99*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	576.11	325.90
		For >35 To 75, Deduct	*-27.98*	
		For >75 To 100, Deduct	*-40.98*	
		For >100 To 200, Deduct	*-59.58*	
		For >200, Deduct	*-85.59*	
		For Steep Roof, Over 7 To 12, Add	*94.83*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	571.31	310.43
		For >35 To 75, Deduct	*-28.92*	
		For >75 To 100, Deduct	*-41.76*	
		For >100 To 200, Deduct	*-60.38*	
		For >200, Deduct	*-86.05*	
		For Steep Roof, Over 7 To 12, Add	*90.28*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	568.22	295.65
		For >35 To 75, Deduct	*-29.95*	
		For >75 To 100, Deduct	*-42.66*	
		For >100 To 200, Deduct	*-61.36*	
		For >200, Deduct	*-86.77*	
		For Steep Roof, Over 7 To 12, Add	*85.99*	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	665.18	325.90
		For >35 To 75, Deduct	*-36.88*	
		For >75 To 100, Deduct	*-51.67*	
		For >100 To 200, Deduct	*-73.83*	
		For >200, Deduct	*-103.40*	
		For Steep Roof, Over 7 To 12, Add	*94.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	688.37	325.90
		For >35 To 75, Deduct	*-39.20*	
		For >75 To 100, Deduct	*-54.45*	
		For >100 To 200, Deduct	*-77.54*	
		For >200, Deduct	*-108.04*	
		For Steep Roof, Over 7 To 12, Add	*94.83*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	764.75	359.36
		For >35 To 75, Deduct	*-43.81*	
		For >75 To 100, Deduct	*-60.73*	
		For >100 To 200, Deduct	*-86.42*	
		For >200, Deduct	*-120.28*	
		For Steep Roof, Over 7 To 12, Add	*104.54*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	753.17	342.17
		For >35 To 75, Deduct	*-44.21*	
		For >75 To 100, Deduct	*-60.82*	
		For >100 To 200, Deduct	*-86.29*	
		For >200, Deduct	*-119.52*	
		For Steep Roof, Over 7 To 12, Add	*99.56*	
		For Asphalt Roof Cement Applied To Front Edge, Add	*21.31*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.12	1.26
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	4.46	3.12
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	5.39	3.47
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	97.40	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	730.12	197.86
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	970.51	216.24
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	12.96	2.85
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	13.50	2.85
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	8.88	2.85
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	9.97	2.85

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	563.98	178.03
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-8.31*	
		For >75 To 100, Deduct	*-23.45*	
		For >100 To 200, Deduct	*-40.67*	
		For >200, Deduct	*-55.81*	
		For Steep Roof, Over 7 To 12, Add	*113.96*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	543.82	176.61
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-7.63*	
		For >75 To 100, Deduct	*-22.18*	
		For >100 To 200, Deduct	*-38.64*	
		For >200, Deduct	*-53.18*	
		For Steep Roof, Over 7 To 12, Add	*112.99*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	867.02	178.03
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-20.44*	
		For >75 To 100, Deduct	*-44.67*	
		For >100 To 200, Deduct	*-74.01*	
		For >200, Deduct	*-98.24*	
		For Steep Roof, Over 7 To 12, Add	*113.96*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	801.00	176.61
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-17.92*	
		For >75 To 100, Deduct	*-40.18*	
		For >100 To 200, Deduct	*-66.93*	
		For >200, Deduct	*-89.19*	
		For Steep Roof, Over 7 To 12, Add	*112.99*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	9.04	2.37
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.18*	
		For >75 To 100, Deduct	*-0.42*	
		For >100 To 200, Deduct	*-0.72*	
		For >200, Deduct	*-0.96*	
		For Steep Roof, Over 7 To 12, Add	*1.49*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0001		**Shingles Including 30 Lb. Felt And Nails** *(07 31 26)*		
07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,177.35	303.75
		For >50 To 75, Deduct	*-20.10*	
		For >75 To 100, Deduct	*-52.04*	
		For >100 To 200, Deduct	*-89.01*	
		For >200, Deduct	*-120.96*	
		For Graduated Shapes, Add	*75.36*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,311.30	303.75
		For >50 To 75, Deduct	*-25.45*	
		For >75 To 100, Deduct	*-61.42*	
		For >100 To 200, Deduct	*-103.75*	
		For >200, Deduct	*-139.71*	
		For Graduated Shapes, Add	*95.45*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,271.11	303.75
		For >50 To 75, Deduct	*-23.85*	
		For >75 To 100, Deduct	*-58.60*	
		For >100 To 200, Deduct	*-99.33*	
		For >200, Deduct	*-134.08*	
		For Graduated Shapes, Add	*89.42*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,284.51	303.75
		For >50 To 75, Deduct	*-24.38*	
		For >75 To 100, Deduct	*-59.54*	
		For >100 To 200, Deduct	*-100.80*	
		For >200, Deduct	*-135.96*	
		For Graduated Shapes, Add	*91.43*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,338.08	303.75
		For >50 To 75, Deduct	*-26.53*	
		For >75 To 100, Deduct	*-63.29*	
		For >100 To 200, Deduct	*-106.69*	
		For >200, Deduct	*-143.46*	
		For Graduated Shapes, Add	*99.47*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,271.11	303.75
		For >50 To 75, Deduct	*-23.85*	
		For >75 To 100, Deduct	*-58.60*	
		For >100 To 200, Deduct	*-99.33*	
		For >200, Deduct	*-134.08*	
		For Graduated Shapes, Add	*89.42*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,230.93	303.75
		For >50 To 75, Deduct	*-22.24*	
		For >75 To 100, Deduct	*-55.79*	
		For >100 To 200, Deduct	*-94.91*	
		For >200, Deduct	*-128.46*	
		For Graduated Shapes, Add	*83.40*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,067.88	303.75
		For >50 To 75, Deduct	*-55.72*	
		For >75 To 100, Deduct	*-114.38*	
		For >100 To 200, Deduct	*-186.97*	
		For >200, Deduct	*-245.63*	
		For Graduated Shapes, Add	*208.94*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,271.11	303.75
		For >50 To 75, Deduct	*-23.85*	
		For >75 To 100, Deduct	*-58.60*	
		For >100 To 200, Deduct	*-99.33*	
		For >200, Deduct	*-134.08*	
		For Graduated Shapes, Add	*89.42*	
		For Steep Roof, Over 7 To 12, Add	*215.98*	
07 31 29		**Wood Shingles and Shakes** *(07 31)*		
07 31 29 13		**Wood Shingles** *(07 31 29)*		
07 31 29 13-0001		#1 Grade, Red Cedar Shingles *(07 31 29 13)*		
07 31 29 13-0002		#1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*		
07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,058.36	282.17
		For Steep Roof, Over 7 To 12, Add	*180.59*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.10*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	769.08	211.62
		For Steep Roof, Over 7 To 12, Add	*135.44*	
		For Pressure-Impregnated Treated (Preservative), Add	*51.87*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	936.64	239.84
		For Steep Roof, Over 7 To 12, Add	*153.50*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.54*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	767.46	197.52
		For Steep Roof, Over 7 To 12, Add	*126.41*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.86*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	996.39	186.94
		For Steep Roof, Over 7 To 12, Add	*119.64*	
		For Pressure-Impregnated Treated (Preservative), Add	*93.38*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	774.99	158.72
		For Steep Roof, Over 7 To 12, Add	*101.58*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0009		#1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*		
07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	754.92	253.95
		For Pressure-Impregnated Treated (Preservative), Add	*37.05*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	736.53	239.84
		For Pressure-Impregnated Treated (Preservative), Add	*38.53*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	743.03	208.10
		For Pressure-Impregnated Treated (Preservative), Add	*49.02*	
07 31 29 13-0013		#2 Grade, Red Cedar Shingles *(07 31 29 13)*		
07 31 29 13-0014		#2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*		
07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	991.58	296.29
		For Steep Roof, Over 7 To 12, Add	*189.62*	
		For Pressure-Impregnated Treated (Preservative), Add	*59.85*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	885.27	268.06
		For Steep Roof, Over 7 To 12, Add	*171.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.37*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	939.74	268.06
		For Steep Roof, Over 7 To 12, Add	*171.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*60.54*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	838.73	239.84
		For Steep Roof, Over 7 To 12, Add	*153.50*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.86*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	808.19	186.94
		For Steep Roof, Over 7 To 12, Add	*119.64*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.15*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	662.78	162.25
		For Steep Roof, Over 7 To 12, Add	*103.84*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.74*	
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	735.64	268.06
		For Pressure-Impregnated Treated (Preservative), Add	*29.93*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	709.71	253.95
		For Pressure-Impregnated Treated (Preservative), Add	*30.27*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	679.49	225.73
		For Pressure-Impregnated Treated (Preservative), Add	*34.20*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes *(07 31 29 16)*		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	777.75	229.26
		For Steep Roof, Over 7 To 12, Add	*146.73*	
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	884.15	229.26
		For Steep Roof, Over 7 To 12, Add	*146.73*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	812.80	186.94
		For Steep Roof, Over 7 To 12, Add	*119.64*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	858.02	186.94
		For Steep Roof, Over 7 To 12, Add	*119.64*	
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	813.02	246.90
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	919.42	246.90
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	862.18	211.62
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	907.40	211.62
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Wood Hip And Ridge Cap For Wood Shingles Or Shakes *(07 31 29 19)*		
07 31 29 19-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	12.69	1.83
		For Steep Roof, Over 7 To 12, Add	*1.37*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.26*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001		Synthetic Polymeric Rubber Slate Shingles *(07 31 33)* Note: As manufactured by EcoStar.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure Note: Gray or black.	1,401.77	265.14
		For Purple Or Green Color, Add	*139.45*	
		For Brown Or Red Color, Add	*357.33*	
		For Steep Roof, Over 7 To 12, Add	*169.67*	
		For >50 To 75, Deduct	*-21.79*	
		For >75 To 100, Deduct	*-56.83*	
		For >100 To 200, Deduct	*-91.88*	
		For >200, Deduct	*-140.18*	
		For 6.5" Exposure, Add	*92.29*	
		For 6.0" Exposure, Add	*195.22*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure Note: Fire resistant. Gray or black.	1,982.80	265.14
		For Purple, Green, Brown Or Red, Add	*217.89*	
		For Steep Roof, Over 7 To 12, Add	*169.67*	
		For >50 To 75, Deduct	*-36.31*	
		For >75 To 100, Deduct	*-85.88*	
		For >100 To 200, Deduct	*-135.45*	
		For >200, Deduct	*-198.28*	
		For 6.5" Exposure, Add	*133.78*	
		For 6.0" Exposure, Add	*278.25*	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,641.02	265.14
		For Purple, Green, Brown Or Red, Add	*399.88*	
		For Steep Roof, Over 7 To 12, Add	*169.67*	
		For >50 To 75, Deduct	*-27.77*	
		For >75 To 100, Deduct	*-68.80*	
		For >100 To 200, Deduct	*-109.82*	
		For >200, Deduct	*-164.10*	
		For 6.5" Exposure, Add	*109.37*	
		For 6.0" Exposure, Add	*229.41*	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,102.43	265.14
		For Purple, Green, Brown Or Red, Add	*172.94*	
		For Steep Roof, Over 7 To 12, Add	*169.67*	
		For >50 To 75, Deduct	*-39.31*	
		For >75 To 100, Deduct	*-91.87*	
		For >100 To 200, Deduct	*-144.43*	
		For >200, Deduct	*-210.24*	
		For 6.5" Exposure, Add	*142.32*	
		For 6.0" Exposure, Add	*295.35*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	16.47	1.78
		For Steep Roof, Over 7 To 12, Add	*0.90*	

07 31 33 00-0007 Synthetic Slate Shingles *(07 31 33)*

Note: As manufactured by Inspire Roofing Products.

07 31 33 00-0008 Class C Synthetic Slate Shingles *(07 31 33 00-0007)*

07 31 33 00-0009	SQ	6" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	1,830.96	198.51
		For Class C Mix Roof Colors, Add	*84.32*	
		For Class C Cool Roof Colors, Add	*210.93*	
		For Class C Cool Roof Mix Color, Add	*295.25*	
		For Steep Roof, Over 7 To 12, Add	*127.05*	
		For >50 To 75, Deduct	*-35.85*	
		For >75 To 100, Deduct	*-81.62*	
		For >100 To 200, Deduct	*-127.40*	
		For >200, Deduct	*-183.10*	
07 31 33 00-0010	SQ	6-1/2" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	1,704.50	189.02
		For Class C Mix Roof Colors, Add	*77.99*	
		For Class C Cool Roof Colors, Add	*195.11*	
		For Class C Cool Roof Mix Color, Add	*273.10*	
		For Steep Roof, Over 7 To 12, Add	*121.00*	
		For >50 To 75, Deduct	*-33.16*	
		For >75 To 100, Deduct	*-75.77*	
		For >100 To 200, Deduct	*-118.38*	
		For >200, Deduct	*-170.45*	
07 31 33 00-0011	SQ	7" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	1,586.94	180.46
		For Class C Mix Roof Colors, Add	*72.09*	
		For Class C Cool Roof Colors, Add	*180.35*	
		For Class C Cool Roof Mix Color, Add	*252.44*	
		For Steep Roof, Over 7 To 12, Add	*115.50*	
		For >50 To 75, Deduct	*-30.65*	
		For >75 To 100, Deduct	*-70.32*	
		For >100 To 200, Deduct	*-110.00*	
		For >200, Deduct	*-158.69*	
07 31 33 00-0012	SQ	7-1/2" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	1,492.38	172.62
		For Class C Mix Roof Colors, Add	*67.45*	
		For Class C Cool Roof Colors, Add	*168.75*	
		For Class C Cool Roof Mix Color, Add	*236.20*	
		For Steep Roof, Over 7 To 12, Add	*110.47*	
		For >50 To 75, Deduct	*-28.68*	
		For >75 To 100, Deduct	*-65.99*	
		For >100 To 200, Deduct	*-103.30*	
		For >200, Deduct	*-149.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0013	SQ	8" Exposure, Class C Synthetic Slate Shingles	1,406.30	165.42
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	*63.24*	
		For Class C Cool Roof Colors, Add	*158.20*	
		For Class C Cool Roof Mix Color, Add	*221.44*	
		For Steep Roof, Over 7 To 12, Add	*105.87*	
		For >50 To 75, Deduct	*-26.89*	
		For >75 To 100, Deduct	*-62.04*	
		For >100 To 200, Deduct	*-97.20*	
		For >200, Deduct	*-140.63*	
07 31 33 00-0014	LF	Starter Strip, Class C Synthetic Slate Shingle	9.53	1.78
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	*0.39*	
		For Class C Cool Roof Colors, Add	*0.99*	
		For Class C Cool Roof Mix Color, Add	*1.38*	
		For Steep Roof, Over 7 To 12, Add	*0.90*	
07 31 33 00-0015	LF	Hip And Ridge, Class C Synthetic Slate Shingle	17.83	1.78
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	*0.88*	
		For Class C Cool Roof Colors, Add	*2.21*	
		For Class C Cool Roof Mix Color, Add	*3.09*	
		For Steep Roof, Over 7 To 12, Add	*0.90*	
07 31 33 00-0016		Class A Synthetic Slate Shingles *(07 31 33 00-0007)*		
		Note: For Class "A" Rating a 35 Lb. Styrene-Butadiene-Styrene (SBS) underlayment is required.		
07 31 33 00-0017	SQ	6" Exposure, Class A Synthetic Slate Shingles	1,993.88	198.51
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*83.84*	
		For Class A Cool Roof Colors, Add	*209.67*	
		For Class A Cool Roof Mix Color, Add	*293.50*	
		For Steep Roof, Over 7 To 12, Add	*127.05*	
		For >50 To 75, Deduct	*-39.92*	
		For >75 To 100, Deduct	*-89.77*	
		For >100 To 200, Deduct	*-139.62*	
		For >200, Deduct	*-199.39*	
07 31 33 00-0018	SQ	6-1/2" Exposure, Class A Synthetic Slate Shingles	1,855.20	189.02
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*77.55*	
		For Class A Cool Roof Colors, Add	*193.94*	
		For Class A Cool Roof Mix Color, Add	*271.49*	
		For Steep Roof, Over 7 To 12, Add	*121.00*	
		For >50 To 75, Deduct	*-36.93*	
		For >75 To 100, Deduct	*-83.31*	
		For >100 To 200, Deduct	*-129.69*	
		For >200, Deduct	*-185.52*	
07 31 33 00-0019	SQ	7" Exposure, Class A Synthetic Slate Shingles	1,726.24	180.46
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*71.68*	
		For Class A Cool Roof Colors, Add	*179.27*	
		For Class A Cool Roof Mix Color, Add	*250.94*	
		For Steep Roof, Over 7 To 12, Add	*115.50*	
		For >50 To 75, Deduct	*-34.13*	
		For >75 To 100, Deduct	*-77.29*	
		For >100 To 200, Deduct	*-120.44*	
		For >200, Deduct	*-172.62*	
07 31 33 00-0020	SQ	7-1/2" Exposure, Class A Synthetic Slate Shingles	1,622.72	172.62
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*67.07*	
		For Class A Cool Roof Colors, Add	*167.73*	
		For Class A Cool Roof Mix Color, Add	*234.80*	
		For Steep Roof, Over 7 To 12, Add	*110.47*	
		For >50 To 75, Deduct	*-31.94*	
		For >75 To 100, Deduct	*-72.51*	
		For >100 To 200, Deduct	*-113.07*	
		For >200, Deduct	*-162.27*	
07 31 33 00-0021	SQ	8" Exposure, Class A Synthetic Slate Shingles	1,528.49	165.42
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*62.88*	
		For Class A Cool Roof Colors, Add	*157.25*	
		For Class A Cool Roof Mix Color, Add	*220.13*	
		For Steep Roof, Over 7 To 12, Add	*105.87*	
		For >50 To 75, Deduct	*-29.94*	
		For >75 To 100, Deduct	*-68.15*	
		For >100 To 200, Deduct	*-106.37*	
		For >200, Deduct	*-152.85*	
07 31 33 00-0022	LF	Starter Strip, Class A Synthetic Slate Shingle	9.99	1.78
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*0.38*	
		For Class A Cool Roof Colors, Add	*0.94*	
		For Class A Cool Roof Mix Color, Add	*1.32*	
		For Steep Roof, Over 7 To 12, Add	*0.90*	
07 31 33 00-0023	LF	Hip And Ridge, Class A Synthetic Slate Shingle	19.53	1.78
		Note: Standard colors.		
		For Class A Mix Roof Colors, Add	*0.88*	
		For Class A Cool Roof Colors, Add	*2.19*	
		For Class A Cool Roof Mix Color, Add	*3.07*	
		For Steep Roof, Over 7 To 12, Add	*0.90*	

07 32 Roof Tiles *(07 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,371.77	288.07
		For >25 To 50, Deduct	*-47.73*	
		For >50 To 75, Deduct	*-93.96*	
		For >75 To 100, Deduct	*-132.23*	
		For >100 To 200, Deduct	*-162.55*	
		For >200, Deduct	*-184.91*	
		For 20 Year Warranty, Add	*55.69*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,625.76	288.07
		For >25 To 50, Deduct	*-62.97*	
		For >50 To 75, Deduct	*-119.36*	
		For >75 To 100, Deduct	*-165.25*	
		For >100 To 200, Deduct	*-200.65*	
		For >200, Deduct	*-225.55*	
		For 20 Year Warranty, Add	*73.47*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,625.76	288.07
		For >25 To 50, Deduct	*-62.97*	
		For >50 To 75, Deduct	*-119.36*	
		For >75 To 100, Deduct	*-165.25*	
		For >100 To 200, Deduct	*-200.65*	
		For >200, Deduct	*-225.55*	
		For 20 Year Warranty, Add	*73.47*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,841.26	288.07
		For >25 To 50, Deduct	*-75.90*	
		For >50 To 75, Deduct	*-140.91*	
		For >75 To 100, Deduct	*-193.27*	
		For >100 To 200, Deduct	*-232.97*	
		For >200, Deduct	*-260.03*	
		For 20 Year Warranty, Add	*88.55*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,636.53	352.21
		For >25 To 50, Deduct	*-55.93*	
		For >50 To 75, Deduct	*-110.82*	
		For >75 To 100, Deduct	*-156.40*	
		For >100 To 200, Deduct	*-192.65*	
		For >200, Deduct	*-219.58*	
		For 20 Year Warranty, Add	*65.25*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,015.64	352.21
		For >25 To 50, Deduct	*-78.67*	
		For >50 To 75, Deduct	*-148.73*	
		For >75 To 100, Deduct	*-205.68*	
		For >100 To 200, Deduct	*-249.52*	
		For >200, Deduct	*-280.24*	
		For 20 Year Warranty, Add	*91.79*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,576.82	475.17
		For >25 To 50, Deduct	*-97.61*	
		For >50 To 75, Deduct	*-186.43*	
		For >75 To 100, Deduct	*-258.98*	
		For >100 To 200, Deduct	*-315.27*	
		For >200, Deduct	*-355.29*	
		For 20 Year Warranty, Add	*113.88*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,446.86	352.21
		For >25 To 50, Deduct	*-44.55*	
		For >50 To 75, Deduct	*-91.86*	
		For >75 To 100, Deduct	*-131.74*	
		For >100 To 200, Deduct	*-164.20*	
		For >200, Deduct	*-189.23*	
		For 20 Year Warranty, Add	*51.97*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,753.96	352.21
		For >25 To 50, Deduct	*-62.97*	
		For >50 To 75, Deduct	*-122.57*	
		For >75 To 100, Deduct	*-171.66*	
		For >100 To 200, Deduct	*-210.26*	
		For >200, Deduct	*-238.37*	
		For 20 Year Warranty, Add	*73.47*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,230.70	263.71
		For >25 To 50, Deduct	*-42.19*	
		For >50 To 75, Deduct	*-83.51*	
		For >75 To 100, Deduct	*-117.79*	
		For >100 To 200, Deduct	*-145.04*	
		For >200, Deduct	*-165.26*	
		For 20 Year Warranty, Add	*49.22*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,561.65	263.71
		For >25 To 50, Deduct	*-62.05*	
		For >50 To 75, Deduct	*-116.60*	
		For >75 To 100, Deduct	*-160.82*	
		For >100 To 200, Deduct	*-194.69*	
		For >200, Deduct	*-218.21*	
		For 20 Year Warranty, Add	*72.39*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,846.42	263.71
		For >25 To 50, Deduct	*-79.14*	
		For >50 To 75, Deduct	*-145.08*	
		For >75 To 100, Deduct	*-197.84*	
		For >100 To 200, Deduct	*-237.40*	
		For >200, Deduct	*-263.78*	
		For 20 Year Warranty, Add	*92.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,261.14	413.40
		For >25 To 50, Deduct	*-86.06*	
		For >50 To 75, Deduct	*-164.11*	
		For >75 To 100, Deduct	*-227.81*	
		For >100 To 200, Deduct	*-277.16*	
		For >200, Deduct	*-312.18*	
		For 20 Year Warranty, Add	*100.41*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,040.82	288.07
		For >25 To 50, Deduct	*-27.88*	
		For >50 To 75, Deduct	*-60.87*	
		For >75 To 100, Deduct	*-89.21*	
		For >100 To 200, Deduct	*-112.91*	
		For >200, Deduct	*-131.96*	
		For 20 Year Warranty, Add	*32.52*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,395.29	413.40
		For >25 To 50, Deduct	*-34.11*	
		For >50 To 75, Deduct	*-77.52*	
		For >75 To 100, Deduct	*-115.25*	
		For >100 To 200, Deduct	*-147.29*	
		For >200, Deduct	*-173.64*	
		For 20 Year Warranty, Add	*39.80*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,184.70	436.67
		For >50 To 75, Deduct	*-12.45*	
		For >75 To 100, Deduct	*-43.62*	
		For >100 To 200, Deduct	*-77.91*	
		For >200, Deduct	*-109.08*	
		For Steep Roof, Over 7 To 12, Add	*279.51*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,493.18	436.67
		For >50 To 75, Deduct	*-24.79*	
		For >75 To 100, Deduct	*-65.22*	
		For >100 To 200, Deduct	*-111.84*	
		For >200, Deduct	*-152.27*	
		For Steep Roof, Over 7 To 12, Add	*279.51*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,246.40	436.67
		For >50 To 75, Deduct	*-14.92*	
		For >75 To 100, Deduct	*-47.94*	
		For >100 To 200, Deduct	*-84.70*	
		For >200, Deduct	*-117.72*	
		For Steep Roof, Over 7 To 12, Add	*279.51*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,169.88	390.70
		For >50 To 75, Deduct	*-15.53*	
		For >75 To 100, Deduct	*-46.72*	
		For >100 To 200, Deduct	*-81.80*	
		For >200, Deduct	*-112.98*	
		For Steep Roof, Over 7 To 12, Add	*250.09*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	5.21
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.43
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	5.18
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.93
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	6.17

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	42.11	8.55
		For Steep Roof, Over 7 To 12, Add	*5.47*	
		For >50 To 75, Deduct	*-1.00*	
		For >75 To 100, Deduct	*-2.18*	
		For >100 To 200, Deduct	*-3.61*	
		For >200, Deduct	*-5.21*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	65.32	11.75
		For Steep Roof, Over 7 To 12, Add	*7.52*	
		For >50 To 75, Deduct	*-1.67*	
		For >75 To 100, Deduct	*-3.51*	
		For >100 To 200, Deduct	*-5.78*	
		For >200, Deduct	*-8.20*	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	73.20	11.75
		For Steep Roof, Over 7 To 12, Add	*7.52*	
		For >50 To 75, Deduct	*-1.99*	
		For >75 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-6.64*	
		For >200, Deduct	*-9.31*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	80.27	17.80
		For Steep Roof, Over 7 To 12, Add	*11.40*	
		For >50 To 75, Deduct	*-1.79*	
		For >75 To 100, Deduct	*-4.02*	
		For >100 To 200, Deduct	*-6.69*	
		For >200, Deduct	*-9.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	89.59	17.80
		For Steep Roof, Over 7 To 12, Add	*11.40*	
		For >50 To 75, Deduct	*-2.16*	
		For >75 To 100, Deduct	*-4.67*	
		For >100 To 200, Deduct	*-7.72*	
		For >200, Deduct	*-11.12*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	104.96	17.80
		For Steep Roof, Over 7 To 12, Add	*11.40*	
		For >50 To 75, Deduct	*-2.77*	
		For >75 To 100, Deduct	*-5.74*	
		For >100 To 200, Deduct	*-9.41*	
		For >200, Deduct	*-13.27*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	97.28	17.80
		For Steep Roof, Over 7 To 12, Add	*11.40*	
		For >50 To 75, Deduct	*-2.47*	
		For >75 To 100, Deduct	*-5.21*	
		For >100 To 200, Deduct	*-8.56*	
		For >200, Deduct	*-12.19*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	170.71	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-5.10*	
		For >75 To 100, Deduct	*-10.01*	
		For >100 To 200, Deduct	*-16.19*	
		For >200, Deduct	*-22.17*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	259.80	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-8.67*	
		For >75 To 100, Deduct	*-16.24*	
		For >100 To 200, Deduct	*-25.99*	
		For >200, Deduct	*-34.65*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	181.73	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-5.54*	
		For >75 To 100, Deduct	*-10.78*	
		For >100 To 200, Deduct	*-17.40*	
		For >200, Deduct	*-23.72*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	170.71	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-5.10*	
		For >75 To 100, Deduct	*-10.01*	
		For >100 To 200, Deduct	*-16.19*	
		For >200, Deduct	*-22.17*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	246.95	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-8.15*	
		For >75 To 100, Deduct	*-15.34*	
		For >100 To 200, Deduct	*-24.57*	
		For >200, Deduct	*-32.85*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	206.69	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-6.54*	
		For >75 To 100, Deduct	*-12.53*	
		For >100 To 200, Deduct	*-20.15*	
		For >200, Deduct	*-27.21*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	310.43	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-10.69*	
		For >75 To 100, Deduct	*-19.79*	
		For >100 To 200, Deduct	*-31.56*	
		For >200, Deduct	*-41.73*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	355.87	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-12.51*	
		For >75 To 100, Deduct	*-22.97*	
		For >100 To 200, Deduct	*-36.56*	
		For >200, Deduct	*-48.10*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	526.35	21.60
		For Steep Roof, Over 7 To 12, Add	*13.81*	
		For >50 To 75, Deduct	*-19.33*	
		For >75 To 100, Deduct	*-34.90*	
		For >100 To 200, Deduct	*-55.31*	
		For >200, Deduct	*-71.96*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*
Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		7.90	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		7.43	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		7.11	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.78	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.51	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.28	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.19	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*
See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing		29.77	3.41
		For Steep Roof, Over 7 To 12, Add		*4.41*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.60*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing		18.67	2.23
		For Steep Roof, Over 7 To 12, Add		*2.94*	
		For Fluoropolymer (Kynar®) Coating, Add		*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing		36.06	3.41
		For Steep Roof, Over 7 To 12, Add		*4.41*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.23*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing		30.35	3.41
		For Steep Roof, Over 7 To 12, Add		*4.41*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.66*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		7.97	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		8.41	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		9.46	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		10.87	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		12.27	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		14.03	3.28
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.68*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing		33.63	3.41
		For Steep Roof, Over 7 To 12, Add		*4.41*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.99*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing		20.89	2.36
		For Steep Roof, Over 7 To 12, Add		*2.94*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.17*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing		41.49	3.41
		For Steep Roof, Over 7 To 12, Add		*4.41*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.77*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing		34.35	3.41
		For Steep Roof, Over 7 To 12, Add		*4.41*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.06*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0029		**Standing Seam Roofs** *(07 41 13)* Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)* Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.24	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.84*	
		For Panels <16" Wide, Add	*2.00*	
		For Up To 1,500, Add	*3.56*	
		For >1,500 To 5,000, Add	*2.14*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.93	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.85*	
		For Panels <16" Wide, Add	*2.03*	
		For Up To 1,500, Add	*3.73*	
		For >1,500 To 5,000, Add	*2.24*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.64	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Panels <16" Wide, Add	*1.97*	
		For Up To 1,500, Add	*3.41*	
		For >1,500 To 5,000, Add	*2.05*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.88	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Panels <16" Wide, Add	*1.98*	
		For Up To 1,500, Add	*3.47*	
		For >1,500 To 5,000, Add	*2.08*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.15	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.84*	
		For Panels <16" Wide, Add	*1.99*	
		For Up To 1,500, Add	*3.54*	
		For >1,500 To 5,000, Add	*2.12*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	15.15	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.86*	
		For Panels <16" Wide, Add	*2.04*	
		For Up To 1,500, Add	*3.79*	
		For >1,500 To 5,000, Add	*2.27*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.37	3.41
		For Steep Roof, Over 6 To 12, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.73*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	19.62	2.36
		For Steep Roof, Over 6 To 12, Add	*2.75*	
		For 140 MPH Wind Load, Add	*1.13*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	38.29	3.41
		For Steep Roof, Over 6 To 12, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.87*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	32.00	3.41
		For Steep Roof, Over 6 To 12, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.74*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)* Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.72	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.85*	
		For Panels <16" Wide, Add	*2.02*	
		For Up To 1,500, Add	*3.68*	
		For >1,500 To 5,000, Add	*2.21*	
		For >5,000 To 10,000, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.31	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.86*	
		For Panels <16" Wide, Add	*2.05*	
		For Up To 1,500, Add	*3.83*	
		For >1,500 To 5,000, Add	*2.30*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.39	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.84*	
		For Panels <16" Wide, Add	*2.01*	
		For Up To 1,500, Add	*3.60*	
		For >1,500 To 5,000, Add	*2.16*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.47	3.47
		For Steep Roof, Over 6 To 12, Add	*2.09*	
		For 140 MPH Wind Load, Add	*0.87*	
		For Panels <16" Wide, Add	*2.06*	
		For Up To 1,500, Add	*3.87*	
		For >1,500 To 5,000, Add	*2.32*	
		For >5,000 To 10,000, Add	*0.39*	
07 41 13 00-0049		Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.61	3.41
		For Steep Roof, Over 6 To 12, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.81*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	22.06	2.36
		For Steep Roof, Over 6 To 12, Add	*2.75*	
		For 140 MPH Wind Load, Add	*1.18*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	44.26	3.41
		For Steep Roof, Over 6 To 12, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.99*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	36.40	3.41
		For Steep Roof, Over 6 To 12, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.83*	
07 41 13 00-0054		Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
07 41 13 00-0055		Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	27.21	4.17
		For Steep Roof, Over 6 To 12, Add	*3.13*	
		For 140 MPH Wind Load, Add	*1.38*	
		For Panels <16" Wide, Add	*3.29*	
		For Up To 1,500, Add	*6.80*	
		For >1,500 To 5,000, Add	*4.08*	
		For >5,000 To 10,000, Add	*0.68*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.78	4.17
		For Steep Roof, Over 6 To 12, Add	*3.13*	
		For 140 MPH Wind Load, Add	*1.45*	
		For Panels <16" Wide, Add	*3.47*	
		For Up To 1,500, Add	*7.70*	
		For >1,500 To 5,000, Add	*4.62*	
		For >5,000 To 10,000, Add	*0.77*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	35.01	4.17
		For Steep Roof, Over 6 To 12, Add	*3.13*	
		For 140 MPH Wind Load, Add	*1.53*	
		For Panels <16" Wide, Add	*3.68*	
		For Up To 1,500, Add	*8.75*	
		For >1,500 To 5,000, Add	*5.25*	
		For >5,000 To 10,000, Add	*0.88*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	40.44	4.17
		For Steep Roof, Over 6 To 12, Add	*3.13*	
		For 140 MPH Wind Load, Add	*1.64*	
		For Panels <16" Wide, Add	*3.95*	
		For Up To 1,500, Add	*10.11*	
		For >1,500 To 5,000, Add	*6.07*	
		For >5,000 To 10,000, Add	*1.01*	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	80.74	3.81
		For Steep Roof, Over 6 To 12, Add	*4.56*	
		For 140 MPH Wind Load, Add	*2.83*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.88	2.49
		For Steep Roof, Over 6 To 12, Add	*3.03*	
		For 140 MPH Wind Load, Add	*1.68*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	110.61	3.81
		For Steep Roof, Over 6 To 12, Add	*4.52*	
		For 140 MPH Wind Load, Add	*3.42*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	83.11	3.81
		For Steep Roof, Over 6 To 12, Add	*4.56*	
		For 140 MPH Wind Load, Add	*2.88*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	1.02	
		For Steep Roof, Over 7 To 12, Add	*0.24*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.27	
		For Steep Roof, Over 7 To 12, Add	*0.24*	

07 41 16 Insulated Metal Roof Panels *(07 41)*

07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16)*

07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel *(07 41 16 00-0001)*

Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.

07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	31.55	6.65
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	34.65	7.17
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	36.93	7.80
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	38.71	8.24
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	40.61	8.68
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	42.22	9.12

07 41 16 00-0009 Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16 00-0001)*

Note: Includes fasteners, clips, sealants.

07 41 16 00-0010	LF	Ridge, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	40.12	3.82
07 41 16 00-0011	LF	Hip, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	40.12	3.82
07 41 16 00-0012	LF	Low End Lap Condition, 22 Gauge, 24 Gauge, 26 Gauge, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	26.64	6.81
07 41 16 00-0013	LF	Low Eve, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	14.64	2.36

07 41 33 Plastic Roof Panels *(07 41)*

07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*

07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*

07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	6.72	2.38
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	6.38	2.14
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	6.94	2.38
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	6.56	2.14

07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*

07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	4.18	1.79
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	5.83	1.79
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	6.30	1.79
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	5.02	1.79

07 41 33 00-0012 Fiberglass Roofing Panel *(07 41 33)*

07 41 33 00-0013 Corrugated Panels *(07 41 33 00-0012)*

07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	7.73	1.91
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	9.00	1.91

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	41.64	5.64
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	44.94	6.35
		For Non-Insulated Panels, Deduct	*-8.09*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	47.99	7.05
		For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	51.21	7.34
		For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	58.46	8.04
		For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	68.55	8.89
		For Non-Insulated Panels, Deduct	*-12.73*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	24.18	2.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	25.57	2.39
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	30.33	2.39
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	32.79	2.53
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	34.82	2.53
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	21.66	1.97
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.52	1.97
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	28.25	2.11
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	27.42	2.11
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	32.18	2.11
07 42 63 00-0013		Polyurethane Sandwich Panel *(07 42 63 00-0001)*		
		Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	26.11	2.39
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	28.05	2.39
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	33.04	2.39
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	36.10	2.53
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	38.22	2.53
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.50	1.97
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.45	1.97
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	27.48	2.11
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	32.45	2.11
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	35.49	2.11

07 42 93 Soffit Panels *(07 42)*

07 42 93 00-0001		Aluminum Soffit And Fascia *(07 42 93)*		
		Note: Excludes J-channel.		
07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.52	1.97
		For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.74	2.07
		For 0.015" Thick, Deduct	*-0.17*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.36	2.13
		For 0.015" Thick, Deduct	*-0.21*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.14	2.24
		For 0.015" Thick, Deduct	*-0.34*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.15	2.46
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.73	2.71
		For 0.015" Thick, Deduct	*-0.68*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.39	2.98
		For 0.015" Thick, Deduct	*-0.89*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	22.10	3.28
		For 0.015" Thick, Deduct	*-1.12*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.40	1.93
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.98	1.97
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	8.14	2.03
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.37	2.07

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001		Aluminum Coil Stock Cladding *(07 46 16)*		
		Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	13.33	4.38
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	13.51	4.38
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	13.80	4.38
07 46 16 00-0005		Aluminum Siding Panels *(07 46 16)*		
07 46 16 00-0006		Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.83	2.62
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	10.23	2.62
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	11.51	2.62
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	14.00	2.62
07 46 16 00-0011		V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.89	2.62
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	15.57	2.62
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	19.53	2.62
07 46 16 00-0015		Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.62	2.62
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	16.24	2.62
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	17.22	2.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0019		Aluminum Siding Accessories *(07 46 16)*		
07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.31	1.85
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.31	1.85
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	5.02	1.85
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.60	1.85
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.60	1.85
07 46 19		**Steel Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels *(07 46 19)*		
07 46 19 00-0002		Corrugated Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.16	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.73*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.28	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.51*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.06	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.45*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.45	2.62
		For Galvanized Instead Of Painted Steel, Add	*0.80*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.27	2.62
		For Galvanized Instead Of Painted Steel, Add	*0.76*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.15	2.62
		For Galvanized Instead Of Painted Steel, Add	*0.73*	
07 46 19 00-0009		Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.49	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.56*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.09	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.46*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.83	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.40*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.38	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.29*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.44	2.62
		For Galvanized Instead Of Painted Steel, Add	*1.05*	
07 46 19 00-0015		Clapboard Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.76	1.31
07 46 23		**Wood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001		Wood Lap Siding *(07 46 23)*		
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	5.09	2.04
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.64	2.17
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	6.22	2.31
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	5.39	2.04
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.91	2.04
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	7.02	2.04
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	7.45	2.04
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.83	2.04
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	5.16	2.17
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	5.16	2.17
07 46 23 00-0012		Tongue And Groove Siding *(07 46 23)*		
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	5.07	2.04
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	5.53	2.04
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	5.18	2.04
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.80	2.04
07 46 29		**Plywood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001		T-111 Siding *(07 46 29)*		
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	4.29	1.00
		For Pressure Treated, Add	*0.18*	
07 46 33		**Plastic Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001		Vinyl Siding *(07 46 33)*		
		Note: Includes standard manufacturer's colors.		
07 46 33 00-0002		Vinyl Siding Panels *(07 46 33 00-0001)*		
		Note: Excludes J-channels, starter strips and trim.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0003		**Horizontal Vinyl Siding Panels** *(07 46 33 00-0002)*		
		Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.34	2.41
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.06	2.27
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.85	2.16
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.63	2.06
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.35	1.92
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	7.51	2.41
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	7.55	1.85
		For Manufacturer's Custom Colors, Add	*0.19*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	13.44	1.85
		For Manufacturer's Custom Colors, Add	*0.49*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	6.07	1.85
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	7.31	1.85
		For Manufacturer's Custom Colors, Add	*0.18*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.58	1.85
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.30	1.85
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	4.24	1.85
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.42	1.85
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	5.21	1.85
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.64	1.85
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	6.36	1.85
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	4.30	1.85
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.66	2.55
		For Manufacturer's Custom Colors, Add	*0.23*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	10.07	2.55
		For Manufacturer's Custom Colors, Add	*0.25*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.99	2.55
		For Manufacturer's Custom Colors, Add	*0.29*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.83	1.85
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	7.13	1.85
		For Manufacturer's Custom Colors, Add	*0.17*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	6.19	1.85
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.35	1.97
		For 0.038" Thick, Deduct	*-0.62*	
		For 0.040" Thick, Deduct	*-0.52*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.47	2.07
		For 0.038" Thick, Deduct	*-1.06*	
		For 0.040" Thick, Deduct	*-0.89*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.03	2.13
		For 0.038" Thick, Deduct	*-1.26*	
		For 0.040" Thick, Deduct	*-1.07*	
		For Manufacturer's Custom Colors, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.64	2.24
		For 0.038" Thick, Deduct	*-1.90*	
		For 0.040" Thick, Deduct	*-1.59*	
		For Manufacturer's Custom Colors, Add	*0.21*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	10.49	2.46
		For 0.038" Thick, Deduct	*-2.54*	
		For 0.040" Thick, Deduct	*-2.14*	
		For Manufacturer's Custom Colors, Add	*0.28*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	13.74	2.71
		For 0.038" Thick, Deduct	*-3.83*	
		For 0.040" Thick, Deduct	*-3.20*	
		For Manufacturer's Custom Colors, Add	*0.42*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	17.06	2.98
		For 0.038" Thick, Deduct	*-5.11*	
		For 0.040" Thick, Deduct	*-4.27*	
		For Manufacturer's Custom Colors, Add	*0.56*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	20.44	3.28
		For 0.038" Thick, Deduct	*-6.39*	
		For 0.040" Thick, Deduct	*-5.34*	
		For Manufacturer's Custom Colors, Add	*0.70*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.53	1.93
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	6.12	1.97
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	6.07	2.03
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.87	2.07
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0043		Fiberglass Siding *(07 46 33)*		
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	8.48	2.83
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	9.01	2.55
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	9.98	2.55
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	8.14	2.55
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	9.01	2.55
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.91	2.98
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.53	2.83
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.36	2.76
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.18	2.69
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.86	2.55
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.53	2.41
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.72	0.71
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	11.22	2.62
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.78	2.13
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.78	1.42
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.70	1.56
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.57	1.71
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.21	1.99
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.94	1.42
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.94	1.56
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.97	1.71
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.34	1.99
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	4.13	1.42
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	5.29	1.56
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.48	1.71
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.52	1.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	7.13	2.82
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.65	3.13
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	9.39	3.13
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	12.11	3.68
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	8.20	2.03
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	8.74	2.03

07 46 63 Fabricated Panel Assemblies with Siding *(07 46)*

07 46 63 00-0001 Metal Siding Panels *(07 46 63)*

07 46 63 00-0002 Insulated Metal Siding Panels *(07 46 63 00-0001)*

07 46 63 00-0003 24 Gauge, Galvanized Steel Insulated Standing Seam Metal Siding Panels *(07 46 63 00-0002)*

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core.

07 46 63 00-0004	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	28.76	3.02
07 46 63 00-0005	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	32.63	3.41
07 46 63 00-0006	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	35.28	3.87
07 46 63 00-0007	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	39.02	5.12

07 50 Membrane Roofing *(07)*

See CSI section 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	125.90
		For Up To 10, Add	*32.82*
		For >10 To 20, Add	*18.32*
		For >20 To 40, Add	*10.12*
		For >75 To 100, Deduct	*-5.06*
		For >100 To 200, Deduct	*-11.07*
		For >200, Deduct	*-16.13*
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	354.48
		For Up To 10, Add	*78.54*
		For >10 To 20, Add	*41.18*
		For >20 To 40, Add	*21.54*
		For >75 To 100, Deduct	*-10.77*
		For >100 To 200, Deduct	*-22.50*
		For >200, Deduct	*-33.27*

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	8.36

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	91.65
		For Up To 10, Add	*26.08*
		For >10 To 20, Add	*14.98*
		For >20 To 40, Add	*8.46*
		For >75 To 100, Deduct	*-4.23*
		For >100 To 200, Deduct	*-9.43*
		For >200, Deduct	*-13.66*
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	98.17
		For Up To 10, Add	*27.39*
		For >10 To 20, Add	*15.63*
		For >20 To 40, Add	*8.78*
		For >75 To 100, Deduct	*-4.39*
		For >100 To 200, Deduct	*-9.75*
		For >200, Deduct	*-14.15*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	105.58	
		For Up To 10, Add	*28.87*	
		For >10 To 20, Add	*16.37*	
		For >20 To 40, Add	*9.16*	
		For >75 To 100, Deduct	*-4.58*	
		For >100 To 200, Deduct	*-10.12*	
		For >200, Deduct	*-14.70*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	187.71	
		For Up To 10, Add	*45.29*	
		For >10 To 20, Add	*24.59*	
		For >20 To 40, Add	*13.26*	
		For >75 To 100, Deduct	*-6.63*	
		For >100 To 200, Deduct	*-14.23*	
		For >200, Deduct	*-20.86*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	320.24	
		For Up To 10, Add	*71.80*	
		For >10 To 20, Add	*37.84*	
		For >20 To 40, Add	*19.89*	
		For >75 To 100, Deduct	*-9.94*	
		For >100 To 200, Deduct	*-20.86*	
		For >200, Deduct	*-30.80*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	241.51	
		For Up To 10, Add	*56.79*	
		For >10 To 20, Add	*30.52*	
		For >20 To 40, Add	*16.32*	
		For >75 To 100, Deduct	*-8.16*	
		For >100 To 200, Deduct	*-17.38*	
		For >200, Deduct	*-25.54*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.24	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	98.50	
		For Up To 10, Add	*23.52*	
		For >10 To 20, Add	*12.71*	
		For >20 To 40, Add	*6.83*	
		For >75 To 100, Deduct	*-3.42*	
		For >100 To 200, Deduct	*-7.31*	
		For >200, Deduct	*-10.73*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	188.04	
		For Up To 10, Add	*41.42*	
		For >10 To 20, Add	*21.67*	
		For >20 To 40, Add	*11.31*	
		For >75 To 100, Deduct	*-5.66*	
		For >100 To 200, Deduct	*-11.79*	
		For >200, Deduct	*-17.44*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	320.57	
		For Up To 10, Add	*67.93*	
		For >10 To 20, Add	*34.92*	
		For >20 To 40, Add	*17.94*	
		For >75 To 100, Deduct	*-8.97*	
		For >100 To 200, Deduct	*-18.41*	
		For >200, Deduct	*-27.38*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.39	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	121.83	
		For Up To 10, Add	*32.01*	
		For >10 To 20, Add	*17.91*	
		For >20 To 40, Add	*9.91*	
		For >75 To 100, Deduct	*-4.96*	
		For >100 To 200, Deduct	*-10.87*	
		For >200, Deduct	*-15.82*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	138.63	
		For Up To 10, Add	*35.37*	
		For >10 To 20, Add	*19.59*	
		For >20 To 40, Add	*10.75*	
		For >75 To 100, Deduct	*-5.38*	
		For >100 To 200, Deduct	*-11.71*	
		For >200, Deduct	*-17.08*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	87.58	
		For Up To 10, Add	*25.27*	
		For >10 To 20, Add	*14.57*	
		For >20 To 40, Add	*8.26*	
		For >75 To 100, Deduct	*-4.13*	
		For >100 To 200, Deduct	*-9.22*	
		For >200, Deduct	*-13.35*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	104.38	
		For Up To 10, Add	*28.63*	
		For >10 To 20, Add	*16.25*	
		For >20 To 40, Add	*9.10*	
		For >75 To 100, Deduct	*-4.55*	
		For >100 To 200, Deduct	*-10.06*	
		For >200, Deduct	*-14.61*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	44.10	
		For Up To 10, Add	*12.64*	
		For >10 To 20, Add	*7.27*	
		For >20 To 40, Add	*4.11*	
		For >75 To 100, Deduct	*-2.06*	
		For >100 To 200, Deduct	*-4.59*	
		For >200, Deduct	*-6.65*	
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	60.90	
		For Up To 10, Add	*16.00*	
		For >10 To 20, Add	*8.95*	
		For >20 To 40, Add	*4.95*	
		For >75 To 100, Deduct	*-2.48*	
		For >100 To 200, Deduct	*-5.43*	
		For >200, Deduct	*-7.91*	

07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	192.30	
		For Up To 10, Add	*57.56*	
		For >10 To 20, Add	*33.55*	
		For >20 To 40, Add	*19.16*	
		For >75 To 100, Deduct	*-9.58*	
		For >100 To 200, Deduct	*-21.55*	
		For >200, Deduct	*-31.13*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	291.21	
		For Up To 10, Add	*77.34*	
		For >10 To 20, Add	*43.44*	
		For >20 To 40, Add	*24.11*	
		For >75 To 100, Deduct	*-12.05*	
		For >100 To 200, Deduct	*-26.50*	
		For >200, Deduct	*-38.55*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	193.98	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	54.38	
		For Up To 10, Add	*13.40*	
		For >10 To 20, Add	*7.33*	
		For >20 To 40, Add	*3.98*	
		For >75 To 100, Deduct	*-1.99*	
		For >100 To 200, Deduct	*-4.29*	
		For >200, Deduct	*-6.28*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	144.53	
		For Up To 10, Add	*33.49*	
		For >10 To 20, Add	*17.89*	
		For >20 To 40, Add	*9.52*	
		For >75 To 100, Deduct	*-4.76*	
		For >100 To 200, Deduct	*-10.09*	
		For >200, Deduct	*-14.85*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	128.18	
		For Up To 10, Add	*30.22*	
		For >10 To 20, Add	*16.26*	
		For >20 To 40, Add	*8.70*	
		For >75 To 100, Deduct	*-4.35*	
		For >100 To 200, Deduct	*-9.27*	
		For >200, Deduct	*-13.62*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	172.81	
		For Up To 10, Add	*39.15*	
		For >10 To 20, Add	*20.72*	
		For >20 To 40, Add	*10.93*	
		For >75 To 100, Deduct	*-5.47*	
		For >100 To 200, Deduct	*-11.51*	
		For >200, Deduct	*-16.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	174.27	
		For Up To 10, Add	*39.44*	
		For >10 To 20, Add	*20.87*	
		For >20 To 40, Add	*11.01*	
		For >75 To 100, Deduct	*-5.50*	
		For >100 To 200, Deduct	*-11.58*	
		For >200, Deduct	*-17.08*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*52.24*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	180.28	
		For Up To 10, Add	*40.64*	
		For >10 To 20, Add	*21.47*	
		For >20 To 40, Add	*11.31*	
		For >75 To 100, Deduct	*-5.65*	
		For >100 To 200, Deduct	*-11.88*	
		For >200, Deduct	*-17.53*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*54.22*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.78	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.68	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	41.94	
07 51 13 00-0049		**Walkway Pads** *(07 51 13 00-0001)* Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	36.22	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	43.27	
07 51 13 00-0052		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	4.62	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	4.78	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	5.55	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.32	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.45	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	5.15	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	6.04	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	6.27	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	7.20	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	7.11	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	8.77	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	9.98	
07 51 13 00-0065		**Asphalt Primer** *(07 51 13 00-0001)*		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	38.92	
07 51 13 00-0067		**Demolish Built-Up Roofing** *(07 51 13 00-0001)* Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System		401.07
		For Up To 10, Add		*99.15*
		For >10 To 25, Add		*59.49*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.		309.39
		For Up To 10, Add		*76.49*
		For >10 To 25, Add		*45.89*
07 51 13 00-0070		**Roofing System Warranty** *(07 51 13 00-0001)* Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.34	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.94	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	20.54	
07 51 13 00-0077		**Built-Up Roofing Components (Tremco)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078		**Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0077)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	149.45	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	181.41	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	208.86	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	47.37	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	68.79	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	286.48	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	264.99	

07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0077)*

07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	161.65	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	429.09	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	710.14	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	188.66	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	289.94	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	704.29	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	512.23	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	508.62	

07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	295.21	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	584.11	

07 51 13 00-0098 Flashings *(07 51 13 00-0077)*

07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	17.94	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	29.04	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	38.57	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	56.62	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	93.17	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.14	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	22.95	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	30.59	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	44.74	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	75.29	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.86	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.04	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	5.73	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	14.83	

07 51 13 00-0113 Cold Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	182.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	300.55	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	232.42	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	182.20	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	91.70	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	204.75	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	202.02	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	566.95	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	313.63	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	351.49	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	64.68	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	120.70	
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	21.55	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	28.74	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	17.23	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	6.53	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	6.72	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	6.57	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	272.23	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	608.13	
07 51 13 00-0137	SQ	Polar Coat	154.91	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	190.41	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	556.59	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	250.50	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	71.86	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	34.81	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	38.97	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	88.96	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Horizontal Waterproofing (Trem-LAR LRM H) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	462.36	
07 51 13 00-0149	SQ	Vertical Waterproofing (Trem-LAR LRM V) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	470.52	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	605.99	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	789.33	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	458.99	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	88.14	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	88.66	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	95.39	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	69.97	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	62.81	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	238.41	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	451.65	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	361.92	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	632.54	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	870.14	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	989.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	728.72	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	895.55	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,097.10	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	130.35	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	148.05	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	20.71	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	69.73	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	337.30	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	342.28	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	613.19	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	393.51	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	444.54	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	649.30	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,067.10	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	171.33	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	193.77	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	168.08	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	111.50	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)* See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	746.38	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	533.87	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	661.08	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	686.97	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	956.61	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,075.43	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	451.46	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	569.68	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	348.24	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	675.55	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	831.70	
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	904.83	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	953.57	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	871.31	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	923.11	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	968.81	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	766.70	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,212.54	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	987.09	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	682.40	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	428.76	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	98.05	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	64.84	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	79.00	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	85.85	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	133.74	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	434.61	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	374.69	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	380.63	
07 51 13 00-0231	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	315.89	
07 51 13 00-0232	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.56	
07 51 13 00-0233	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	15.50	
07 51 13 00-0234	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	75.57	
07 51 13 00-0235	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.24	
07 51 13 00-0236	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.25	
07 51 13 00-0237	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.14	
07 51 13 00-0238	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	165.38	
07 51 13 00-0239		**Coatings And Mastics For Roof Installation, Restoration And Repairs** *(07 51 13 00-0195)*		
07 51 13 00-0240	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	47.58	
07 51 13 00-0241	SQ	Black-Knight® Primer	43.99	
07 51 13 00-0242	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	182.01	
07 51 13 00-0243	SQ	4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	192.51	
07 51 13 00-0244	SQ	6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	306.60	
07 51 13 00-0245	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	494.29	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	508.27	
07 51 13 00-0247	SQ	3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	237.39	
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	392.53	
07 51 13 00-0249	SQ	3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	606.54	
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,007.97	
07 51 13 00-0251	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	421.87	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	435.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0253	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	926.11	
07 51 13 00-0254	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	400.57	
07 51 13 00-0255	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	195.45	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	209.43	
07 51 13 00-0257	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	181.80	
07 51 13 00-0258	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	169.70	
07 51 13 00-0259	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	21.22	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0260	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	206.56	
07 51 13 00-0261	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	200.23	
07 51 13 00-0262	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	25.27	
07 51 13 00-0263	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	267.52	
07 51 13 00-0264	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,529.77	
07 51 13 00-0265	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	340.63	
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	415.88	
07 51 13 00-0267	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	154.53	
07 51 13 00-0268	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	507.36	
07 51 13 00-0269	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	153.37	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	235.47
		For Up To 10, Add	*54.73*
		For >10 To 20, Add	*29.28*
		For >20 To 40, Add	*15.59*
		For >75 To 100, Deduct	*-7.80*
		For >100 To 200, Deduct	*-16.55*
		For >200, Deduct	*-24.35*
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	287.66
		For Up To 10, Add	*65.17*
		For >10 To 20, Add	*34.50*
		For >20 To 40, Add	*18.20*
		For >75 To 100, Deduct	*-9.10*
		For >100 To 200, Deduct	*-19.16*
		For >200, Deduct	*-28.26*
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	454.31
		For Up To 10, Add	*98.50*
		For >10 To 20, Add	*51.16*
		For >20 To 40, Add	*26.54*
		For >75 To 100, Deduct	*-13.27*
		For >100 To 200, Deduct	*-27.49*
		For >200, Deduct	*-40.76*
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	457.94
		For Up To 10, Add	*99.95*
		For >10 To 20, Add	*52.07*
		For >20 To 40, Add	*27.08*
		For >75 To 100, Deduct	*-13.54*
		For >100 To 200, Deduct	*-28.13*
		For >200, Deduct	*-41.67*
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	326.32
		For Up To 10, Add	*73.63*
		For >10 To 20, Add	*38.91*
		For >20 To 40, Add	*20.50*
		For >75 To 100, Deduct	*-10.25*
		For >100 To 200, Deduct	*-21.54*
		For >200, Deduct	*-31.79*
		For Factory Applied White Reflective Surfacing, Add	*108.28*
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	379.11
		For Up To 10, Add	*84.19*
		For >10 To 20, Add	*44.19*
		For >20 To 40, Add	*23.14*
		For >75 To 100, Deduct	*-11.57*
		For >100 To 200, Deduct	*-24.18*
		For >200, Deduct	*-35.75*
		For Factory Applied White Reflective Surfacing, Add	*108.28*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	522.94	
		For Up To 10, Add	*112.95*	
		For >10 To 20, Add	*58.57*	
		For >20 To 40, Add	*30.33*	
		For >75 To 100, Deduct	*-15.17*	
		For >100 To 200, Deduct	*-31.38*	
		For >200, Deduct	*-46.54*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.43	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	10.00	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	168.60	
		For Up To 10, Add	*41.35*	
		For >10 To 20, Add	*22.58*	
		For >20 To 40, Add	*12.25*	
		For >75 To 100, Deduct	*-6.12*	
		For >100 To 200, Deduct	*-13.20*	
		For >200, Deduct	*-19.32*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	220.79	
		For Up To 10, Add	*51.79*	
		For >10 To 20, Add	*27.80*	
		For >20 To 40, Add	*14.85*	
		For >75 To 100, Deduct	*-7.43*	
		For >100 To 200, Deduct	*-15.81*	
		For >200, Deduct	*-23.24*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	264.44	
		For Up To 10, Add	*64.35*	
		For >10 To 20, Add	*35.04*	
		For >20 To 40, Add	*18.95*	
		For >75 To 100, Deduct	*-9.48*	
		For >100 To 200, Deduct	*-20.38*	
		For >200, Deduct	*-29.86*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	277.81	
		For Up To 10, Add	*67.02*	
		For >10 To 20, Add	*36.38*	
		For >20 To 40, Add	*19.62*	
		For >75 To 100, Deduct	*-9.81*	
		For >100 To 200, Deduct	*-21.05*	
		For >200, Deduct	*-30.86*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	386.22	
		For Up To 10, Add	*88.70*	
		For >10 To 20, Add	*47.22*	
		For >20 To 40, Add	*25.04*	
		For >75 To 100, Deduct	*-12.52*	
		For >100 To 200, Deduct	*-26.47*	
		For >200, Deduct	*-38.99*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	264.44	
		For Up To 10, Add	*64.35*	
		For >10 To 20, Add	*35.04*	
		For >20 To 40, Add	*18.95*	
		For >75 To 100, Deduct	*-9.48*	
		For >100 To 200, Deduct	*-20.38*	
		For >200, Deduct	*-29.86*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	281.15	
		For Up To 10, Add	*67.69*	
		For >10 To 20, Add	*36.71*	
		For >20 To 40, Add	*19.79*	
		For >75 To 100, Deduct	*-9.89*	
		For >100 To 200, Deduct	*-21.22*	
		For >200, Deduct	*-31.11*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	386.22	
		For Up To 10, Add	*88.70*	
		For >10 To 20, Add	*47.22*	
		For >20 To 40, Add	*25.04*	
		For >75 To 100, Deduct	*-12.52*	
		For >100 To 200, Deduct	*-26.47*	
		For >200, Deduct	*-38.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	274.97	
		For Up To 10, Add	*66.45*	
		For >10 To 20, Add	*36.09*	
		For >20 To 40, Add	*19.48*	
		For >75 To 100, Deduct	*-9.74*	
		For >100 To 200, Deduct	*-20.91*	
		For >200, Deduct	*-30.65*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	291.17	
		For Up To 10, Add	*69.69*	
		For >10 To 20, Add	*37.71*	
		For >20 To 40, Add	*20.29*	
		For >75 To 100, Deduct	*-10.14*	
		For >100 To 200, Deduct	*-21.72*	
		For >200, Deduct	*-31.87*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	330.93	
		For Up To 10, Add	*77.65*	
		For >10 To 20, Add	*41.69*	
		For >20 To 40, Add	*22.28*	
		For >75 To 100, Deduct	*-11.14*	
		For >100 To 200, Deduct	*-23.71*	
		For >200, Deduct	*-34.85*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	335.77	
		For Up To 10, Add	*78.61*	
		For >10 To 20, Add	*42.17*	
		For >20 To 40, Add	*22.52*	
		For >75 To 100, Deduct	*-11.26*	
		For >100 To 200, Deduct	*-23.95*	
		For >200, Deduct	*-35.21*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	471.59	
		For Up To 10, Add	*105.78*	
		For >10 To 20, Add	*55.75*	
		For >20 To 40, Add	*29.31*	
		For >75 To 100, Deduct	*-14.65*	
		For >100 To 200, Deduct	*-30.74*	
		For >200, Deduct	*-45.40*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.79	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.96	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.01	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.06	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.50	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.86	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	253.75	
		For Up To 10, Add	*54.57*	
		For >10 To 20, Add	*28.24*	
		For >20 To 40, Add	*14.60*	
		For >75 To 100, Deduct	*-7.30*	
		For >100 To 200, Deduct	*-15.07*	
		For >200, Deduct	*-22.37*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	184.37	
		For Up To 10, Add	*44.51*	
		For >10 To 20, Add	*24.17*	
		For >20 To 40, Add	*13.04*	
		For >75 To 100, Deduct	*-6.52*	
		For >100 To 200, Deduct	*-13.99*	
		For >200, Deduct	*-20.51*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	242.32	
		For Up To 10, Add	*56.10*	
		For >10 To 20, Add	*29.96*	
		For >20 To 40, Add	*15.94*	
		For >75 To 100, Deduct	*-7.97*	
		For >100 To 200, Deduct	*-16.89*	
		For >200, Deduct	*-24.86*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	249.80	
		For Up To 10, Add	*57.60*	
		For >10 To 20, Add	*30.71*	
		For >20 To 40, Add	*16.31*	
		For >75 To 100, Deduct	*-8.16*	
		For >100 To 200, Deduct	*-17.27*	
		For >200, Deduct	*-25.42*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	342.23	
		For Up To 10, Add	*76.09*	
		For >10 To 20, Add	*39.95*	
		For >20 To 40, Add	*20.93*	
		For >75 To 100, Deduct	*-10.47*	
		For >100 To 200, Deduct	*-21.89*	
		For >200, Deduct	*-32.35*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	435.78	
		For Up To 10, Add	*94.80*	
		For >10 To 20, Add	*49.31*	
		For >20 To 40, Add	*25.61*	
		For >75 To 100, Deduct	*-12.80*	
		For >100 To 200, Deduct	*-26.56*	
		For >200, Deduct	*-39.37*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	361.87	
		For Up To 10, Add	*80.74*	
		For >10 To 20, Add	*42.46*	
		For >20 To 40, Add	*22.28*	
		For >75 To 100, Deduct	*-11.14*	
		For >100 To 200, Deduct	*-23.32*	
		For >200, Deduct	*-34.46*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	371.92	
		For Up To 10, Add	*82.75*	
		For >10 To 20, Add	*43.47*	
		For >20 To 40, Add	*22.78*	
		For >75 To 100, Deduct	*-11.39*	
		For >100 To 200, Deduct	*-23.82*	
		For >200, Deduct	*-35.21*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	324.82	
		For Up To 10, Add	*73.33*	
		For >10 To 20, Add	*38.76*	
		For >20 To 40, Add	*20.42*	
		For >75 To 100, Deduct	*-10.21*	
		For >100 To 200, Deduct	*-21.47*	
		For >200, Deduct	*-31.68*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	329.16	
		For Up To 10, Add	*74.20*	
		For >10 To 20, Add	*39.19*	
		For >20 To 40, Add	*20.64*	
		For >75 To 100, Deduct	*-10.32*	
		For >100 To 200, Deduct	*-21.69*	
		For >200, Deduct	*-32.01*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	369.25	
		For Up To 10, Add	*82.22*	
		For >10 To 20, Add	*43.20*	
		For >20 To 40, Add	*22.65*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-23.69*	
		For >200, Deduct	*-35.01*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	375.93	
		For Up To 10, Add	*83.55*	
		For >10 To 20, Add	*43.87*	
		For >20 To 40, Add	*22.98*	
		For >75 To 100, Deduct	*-11.49*	
		For >100 To 200, Deduct	*-24.03*	
		For >200, Deduct	*-35.52*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	434.40	
		For Up To 10, Add	*95.25*	
		For >10 To 20, Add	*49.71*	
		For >20 To 40, Add	*25.90*	
		For >75 To 100, Deduct	*-12.95*	
		For >100 To 200, Deduct	*-26.95*	
		For >200, Deduct	*-39.90*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	540.91	
		For Up To 10, Add	*116.55*	
		For >10 To 20, Add	*60.37*	
		For >20 To 40, Add	*31.23*	
		For >75 To 100, Deduct	*-15.61*	
		For >100 To 200, Deduct	*-32.27*	
		For >200, Deduct	*-47.89*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	332.07	
		For Up To 10, Add	*74.78*	
		For >10 To 20, Add	*39.48*	
		For >20 To 40, Add	*20.79*	
		For >75 To 100, Deduct	*-10.39*	
		For >100 To 200, Deduct	*-21.83*	
		For >200, Deduct	*-32.23*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	342.52	
		For Up To 10, Add	*76.87*	
		For >10 To 20, Add	*40.53*	
		For >20 To 40, Add	*21.31*	
		For >75 To 100, Deduct	*-10.65*	
		For >100 To 200, Deduct	*-22.35*	
		For >200, Deduct	*-33.01*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	399.32	
		For Up To 10, Add	*88.23*	
		For >10 To 20, Add	*46.21*	
		For >20 To 40, Add	*24.15*	
		For >75 To 100, Deduct	*-12.07*	
		For >100 To 200, Deduct	*-25.19*	
		For >200, Deduct	*-37.27*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	400.66	
		For Up To 10, Add	*88.50*	
		For >10 To 20, Add	*46.34*	
		For >20 To 40, Add	*24.22*	
		For >75 To 100, Deduct	*-12.11*	
		For >100 To 200, Deduct	*-25.26*	
		For >200, Deduct	*-37.37*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	426.05	
		For Up To 10, Add	*93.58*	
		For >10 To 20, Add	*48.88*	
		For >20 To 40, Add	*25.49*	
		For >75 To 100, Deduct	*-12.74*	
		For >100 To 200, Deduct	*-26.53*	
		For >200, Deduct	*-39.27*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.57	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.10	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.14	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.61	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.20	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.26	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.17	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.28	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.86	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.11	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.19	
	07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	15.70	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped		150.12
		For Up To 10, Add		*37.78*
		For >10 To 20, Add		*20.83*
		For >20 To 40, Add		*11.38*
		For >75 To 100, Deduct		*-5.69*
		For >100 To 200, Deduct		*-12.35*
		For >200, Deduct		*-18.04*
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped		208.07
		For Up To 10, Add		*49.37*
		For >10 To 20, Add		*26.62*
		For >20 To 40, Add		*14.28*
		For >75 To 100, Deduct		*-7.14*
		For >100 To 200, Deduct		*-15.25*
		For >200, Deduct		*-22.39*
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped		215.55
		For Up To 10, Add		*50.86*
		For >10 To 20, Add		*27.37*
		For >20 To 40, Add		*14.65*
		For >75 To 100, Deduct		*-7.33*
		For >100 To 200, Deduct		*-15.62*
		For >200, Deduct		*-22.95*
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped		307.99
		For Up To 10, Add		*69.35*
		For >10 To 20, Add		*36.61*
		For >20 To 40, Add		*19.28*
		For >75 To 100, Deduct		*-9.64*
		For >100 To 200, Deduct		*-20.24*
		For >200, Deduct		*-29.88*
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped		401.54
		For Up To 10, Add		*88.06*
		For >10 To 20, Add		*45.97*
		For >20 To 40, Add		*23.95*
		For >75 To 100, Deduct		*-11.98*
		For >100 To 200, Deduct		*-24.92*
		For >200, Deduct		*-36.90*
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped		327.68
		For Up To 10, Add		*74.03*
		For >10 To 20, Add		*39.14*
		For >20 To 40, Add		*20.63*
		For >75 To 100, Deduct		*-10.31*
		For >100 To 200, Deduct		*-21.69*
		For >200, Deduct		*-32.00*
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped		337.74
		For Up To 10, Add		*76.04*
		For >10 To 20, Add		*40.14*
		For >20 To 40, Add		*21.13*
		For >75 To 100, Deduct		*-10.57*
		For >100 To 200, Deduct		*-22.19*
		For >200, Deduct		*-32.76*
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped		290.63
		For Up To 10, Add		*66.62*
		For >10 To 20, Add		*35.43*
		For >20 To 40, Add		*18.78*
		For >75 To 100, Deduct		*-9.39*
		For >100 To 200, Deduct		*-19.84*
		For >200, Deduct		*-29.23*
		For Factory Applied White Reflective Surfacing, Add		*108.28*
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped		294.97
		For Up To 10, Add		*67.48*
		For >10 To 20, Add		*35.86*
		For >20 To 40, Add		*18.99*
		For >75 To 100, Deduct		*-9.50*
		For >100 To 200, Deduct		*-20.05*
		For >200, Deduct		*-29.55*
		For Factory Applied White Reflective Surfacing, Add		*108.28*
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped		335.06
		For Up To 10, Add		*75.50*
		For >10 To 20, Add		*39.87*
		For >20 To 40, Add		*21.00*
		For >75 To 100, Deduct		*-10.50*
		For >100 To 200, Deduct		*-22.06*
		For >200, Deduct		*-32.56*
		For Factory Applied White Reflective Surfacing, Add		*108.28*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	341.75	
		For Up To 10, Add	*76.84*	
		For >10 To 20, Add	*40.54*	
		For >20 To 40, Add	*21.33*	
		For >75 To 100, Deduct	*-10.67*	
		For >100 To 200, Deduct	*-22.39*	
		For >200, Deduct	*-33.06*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	400.21	
		For Up To 10, Add	*88.53*	
		For >10 To 20, Add	*46.39*	
		For >20 To 40, Add	*24.26*	
		For >75 To 100, Deduct	*-12.13*	
		For >100 To 200, Deduct	*-25.32*	
		For >200, Deduct	*-37.44*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	506.73	
		For Up To 10, Add	*109.84*	
		For >10 To 20, Add	*57.04*	
		For >20 To 40, Add	*29.58*	
		For >75 To 100, Deduct	*-14.79*	
		For >100 To 200, Deduct	*-30.64*	
		For >200, Deduct	*-45.43*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	297.88	
		For Up To 10, Add	*68.07*	
		For >10 To 20, Add	*36.16*	
		For >20 To 40, Add	*19.14*	
		For >75 To 100, Deduct	*-9.57*	
		For >100 To 200, Deduct	*-20.20*	
		For >200, Deduct	*-29.77*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	308.34	
		For Up To 10, Add	*70.16*	
		For >10 To 20, Add	*37.20*	
		For >20 To 40, Add	*19.66*	
		For >75 To 100, Deduct	*-9.83*	
		For >100 To 200, Deduct	*-20.72*	
		For >200, Deduct	*-30.55*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	365.13	
		For Up To 10, Add	*81.52*	
		For >10 To 20, Add	*42.88*	
		For >20 To 40, Add	*22.50*	
		For >75 To 100, Deduct	*-11.25*	
		For >100 To 200, Deduct	*-23.56*	
		For >200, Deduct	*-34.81*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	366.47	
		For Up To 10, Add	*81.78*	
		For >10 To 20, Add	*43.01*	
		For >20 To 40, Add	*22.57*	
		For >75 To 100, Deduct	*-11.28*	
		For >100 To 200, Deduct	*-23.63*	
		For >200, Deduct	*-34.91*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	391.86	
		For Up To 10, Add	*86.86*	
		For >10 To 20, Add	*45.55*	
		For >20 To 40, Add	*23.84*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-24.90*	
		For >200, Deduct	*-36.82*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.38	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.91	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.95	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.35	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.42	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.01	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.07	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.98	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0030		SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.09	
			For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0031		SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.56	
			For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0032		SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.92	
			For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0033		SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	8.00	
07 52 16 12-0034		SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	15.51	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	311.22	
		For Up To 10, Add	*73.70*	
		For >10 To 20, Add	*39.72*	
		For >20 To 40, Add	*21.29*	
		For >75 To 100, Deduct	*-10.65*	
		For >100 To 200, Deduct	*-22.72*	
		For >200, Deduct	*-33.37*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	278.81	
		For Up To 10, Add	*67.22*	
		For >10 To 20, Add	*36.48*	
		For >20 To 40, Add	*19.67*	
		For >75 To 100, Deduct	*-9.84*	
		For >100 To 200, Deduct	*-21.10*	
		For >200, Deduct	*-30.94*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	316.90	
		For Up To 10, Add	*74.84*	
		For >10 To 20, Add	*40.29*	
		For >20 To 40, Add	*21.58*	
		For >75 To 100, Deduct	*-10.79*	
		For >100 To 200, Deduct	*-23.01*	
		For >200, Deduct	*-33.80*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	489.56	
		For Up To 10, Add	*109.37*	
		For >10 To 20, Add	*57.55*	
		For >20 To 40, Add	*30.21*	
		For >75 To 100, Deduct	*-15.10*	
		For >100 To 200, Deduct	*-31.64*	
		For >200, Deduct	*-46.74*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	289.70	
		For Up To 10, Add	*69.40*	
		For >10 To 20, Add	*37.57*	
		For >20 To 40, Add	*20.22*	
		For >75 To 100, Deduct	*-10.11*	
		For >100 To 200, Deduct	*-21.65*	
		For >200, Deduct	*-31.76*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	334.61	
		For Up To 10, Add	*78.38*	
		For >10 To 20, Add	*42.06*	
		For >20 To 40, Add	*22.46*	
		For >75 To 100, Deduct	*-11.23*	
		For >100 To 200, Deduct	*-23.89*	
		For >200, Deduct	*-35.12*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	348.82	
		For Up To 10, Add	*81.39*	
		For >10 To 20, Add	*43.60*	
		For >20 To 40, Add	*23.26*	
		For >75 To 100, Deduct	*-11.63*	
		For >100 To 200, Deduct	*-24.71*	
		For >200, Deduct	*-36.34*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	453.63	
		For Up To 10, Add	*102.36*	
		For >10 To 20, Add	*54.09*	
		For >20 To 40, Add	*28.50*	
		For >75 To 100, Deduct	*-14.25*	
		For >100 To 200, Deduct	*-29.95*	
		For >200, Deduct	*-44.20*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*			
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		4.35	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		4.33	
		For Factory Applied White Reflective Surfacing, Add		*1.08*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		6.04	
		For Factory Applied White Reflective Surfacing, Add		*1.08*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		4.53	
		For Factory Applied White Reflective Surfacing, Add		*1.08*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		4.63	
		For Factory Applied White Reflective Surfacing, Add		*1.08*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		5.68	
		For Factory Applied White Reflective Surfacing, Add		*1.08*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		5.91	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied		14.48	
07 52 16 14		**Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** ***(07 52 16)***			
07 52 16 14-0001		Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)* Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.			
07 52 16 14-0002		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*			
07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened		196.17	
		For Up To 10, Add		*43.05*	
		For >10 To 20, Add		*22.48*	
		For >20 To 40, Add		*11.72*	
		For >75 To 100, Deduct		*-5.86*	
		For >100 To 200, Deduct		*-12.19*	
		For >200, Deduct		*-18.05*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened		150.45	
		For Up To 10, Add		*33.91*	
		For >10 To 20, Add		*17.91*	
		For >20 To 40, Add		*9.43*	
		For >75 To 100, Deduct		*-4.72*	
		For >100 To 200, Deduct		*-9.91*	
		For >200, Deduct		*-14.62*	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened		195.46	
		For Up To 10, Add		*42.91*	
		For >10 To 20, Add		*22.41*	
		For >20 To 40, Add		*11.68*	
		For >75 To 100, Deduct		*-5.84*	
		For >100 To 200, Deduct		*-12.16*	
		For >200, Deduct		*-18.00*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened		245.17	
		For Up To 10, Add		*52.85*	
		For >10 To 20, Add		*27.38*	
		For >20 To 40, Add		*14.17*	
		For >75 To 100, Deduct		*-7.08*	
		For >100 To 200, Deduct		*-14.64*	
		For >200, Deduct		*-21.73*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened		308.32	
		For Up To 10, Add		*65.48*	
		For >10 To 20, Add		*33.69*	
		For >20 To 40, Add		*17.32*	
		For >75 To 100, Deduct		*-8.66*	
		For >100 To 200, Deduct		*-17.80*	
		For >200, Deduct		*-26.46*	
07 52 16 14-0008		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*			
07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened		3.77	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened		3.86	
07 52 16 15		**Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** ***(07 52 16)***			
07 52 16 15-0001		Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)* Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.			
07 52 16 15-0002		Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	156.44	
		For Up To 10, Add	*35.87*	
		For >10 To 20, Add	*19.08*	
		For >20 To 40, Add	*10.11*	
		For >75 To 100, Deduct	*-5.06*	
		For >100 To 200, Deduct	*-10.69*	
		For >200, Deduct	*-15.74*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	165.92	
		For Up To 10, Add	*37.77*	
		For >10 To 20, Add	*20.03*	
		For >20 To 40, Add	*10.59*	
		For >75 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-11.16*	
		For >200, Deduct	*-16.46*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	281.49	
		For Up To 10, Add	*61.22*	
		For >10 To 20, Add	*31.84*	
		For >20 To 40, Add	*16.54*	
		For >75 To 100, Deduct	*-8.27*	
		For >100 To 200, Deduct	*-17.15*	
		For >200, Deduct	*-25.42*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	337.02	
		For Up To 10, Add	*72.33*	
		For >10 To 20, Add	*37.40*	
		For >20 To 40, Add	*19.31*	
		For >75 To 100, Deduct	*-9.66*	
		For >100 To 200, Deduct	*-19.93*	
		For >200, Deduct	*-29.59*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	500.73	
		For Up To 10, Add	*105.07*	
		For >10 To 20, Add	*53.77*	
		For >20 To 40, Add	*27.50*	
		For >75 To 100, Deduct	*-13.75*	
		For >100 To 200, Deduct	*-28.12*	
		For >200, Deduct	*-41.87*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.30	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.84	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.48	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	559.68	91.67
		For Up To 10, Add	*148.61*	
		For >10 To 20, Add	*83.47*	
		For >20 To 40, Add	*46.32*	
		For >75 To 100, Deduct	*-23.16*	
		For >100 To 200, Deduct	*-50.90*	
		For >200, Deduct	*-74.06*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	415.40	45.84
		For Up To 10, Add	*101.41*	
		For >10 To 20, Add	*55.29*	
		For >20 To 40, Add	*29.94*	
		For >75 To 100, Deduct	*-14.97*	
		For >100 To 200, Deduct	*-32.23*	
		For >200, Deduct	*-47.20*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	444.97	68.76
		For Up To 10, Add	*116.50*	
		For >10 To 20, Add	*65.12*	
		For >20 To 40, Add	*36.00*	
		For >75 To 100, Deduct	*-18.00*	
		For >100 To 200, Deduct	*-39.44*	
		For >200, Deduct	*-57.44*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*34.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.70*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0001		**Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** *(07 53 23)* Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	293.08	45.84
		For Up To 10, Add	*76.95*	
		For >10 To 20, Add	*43.06*	
		For >20 To 40, Add	*23.82*	
		For >75 To 100, Deduct	*-11.91*	
		For >100 To 200, Deduct	*-26.11*	
		For >200, Deduct	*-38.02*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	375.49	48.70
		For Up To 10, Add	*94.58*	
		For >10 To 20, Add	*52.16*	
		For >20 To 40, Add	*28.51*	
		For >75 To 100, Deduct	*-14.26*	
		For >100 To 200, Deduct	*-30.95*	
		For >200, Deduct	*-45.21*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	501.91	51.56
		For Up To 10, Add	*121.01*	
		For >10 To 20, Add	*65.66*	
		For >20 To 40, Add	*35.41*	
		For >75 To 100, Deduct	*-17.70*	
		For >100 To 200, Deduct	*-37.99*	
		For >200, Deduct	*-55.69*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For 30 Year Warranty, Add	*11.00*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	348.69	68.76
		For Up To 10, Add	*97.24*	
		For >10 To 20, Add	*55.50*	
		For >20 To 40, Add	*31.19*	
		For >75 To 100, Deduct	*-15.59*	
		For >100 To 200, Deduct	*-34.62*	
		For >200, Deduct	*-50.22*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*33.36*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.90*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	431.10	71.62
		For Up To 10, Add	*114.87*	
		For >10 To 20, Add	*64.59*	
		For >20 To 40, Add	*35.88*	
		For >75 To 100, Deduct	*-17.94*	
		For >100 To 200, Deduct	*-39.46*	
		For >200, Deduct	*-57.40*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*33.36*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*130.66*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	557.53	74.49
		For Up To 10, Add	*141.30*	
		For >10 To 20, Add	*78.10*	
		For >20 To 40, Add	*42.77*	
		For >75 To 100, Deduct	*-21.39*	
		For >100 To 200, Deduct	*-46.50*	
		For >200, Deduct	*-67.88*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*33.36*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*144.57*	
		For 30 Year Warranty, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	459.07	91.67
		For Up To 10, Add	*128.48*	
		For >10 To 20, Add	*73.41*	
		For >20 To 40, Add	*41.29*	
		For >75 To 100, Deduct	*-20.64*	
		For >100 To 200, Deduct	*-45.87*	
		For >200, Deduct	*-66.52*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For Low VOC Adhesive, Add	*83.40*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.90*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	541.47	94.54
		For Up To 10, Add	*146.11*	
		For >10 To 20, Add	*82.51*	
		For >20 To 40, Add	*45.98*	
		For >75 To 100, Deduct	*-22.99*	
		For >100 To 200, Deduct	*-50.71*	
		For >200, Deduct	*-73.70*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For Low VOC Adhesive, Add	*83.40*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*130.66*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	667.90	97.40
		For Up To 10, Add	*172.54*	
		For >10 To 20, Add	*96.01*	
		For >20 To 40, Add	*52.88*	
		For >75 To 100, Deduct	*-26.44*	
		For >100 To 200, Deduct	*-57.75*	
		For >200, Deduct	*-84.18*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*83.40*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*144.57*	
		For 30 Year Warranty, Add	*11.00*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	322.40	68.76
		For Up To 10, Add	*91.98*	
		For >10 To 20, Add	*52.87*	
		For >20 To 40, Add	*29.87*	
		For >75 To 100, Deduct	*-14.94*	
		For >100 To 200, Deduct	*-33.31*	
		For >200, Deduct	*-48.24*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*34.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.70*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	404.81	71.62
		For Up To 10, Add	*109.61*	
		For >10 To 20, Add	*61.97*	
		For >20 To 40, Add	*34.56*	
		For >75 To 100, Deduct	*-17.28*	
		For >100 To 200, Deduct	*-38.14*	
		For >200, Deduct	*-55.43*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*35.81*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.13*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	531.24	74.49
		For Up To 10, Add	*136.04*	
		For >10 To 20, Add	*75.47*	
		For >20 To 40, Add	*41.46*	
		For >75 To 100, Deduct	*-20.73*	
		For >100 To 200, Deduct	*-45.18*	
		For >200, Deduct	*-65.91*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For 30 Year Warranty, Add	*11.00*	
		For Mechanically Fastened To Concrete Decks, Add	*37.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0014		Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*		
07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	73.82	
		For Up To 10, Add	*19.35*	
		For >10 To 20, Add	*10.82*	
		For >20 To 40, Add	*5.98*	
		For >75 To 100, Deduct	*-2.99*	
		For >100 To 200, Deduct	*-6.56*	
		For >200, Deduct	*-9.55*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	76.36	
		For Up To 10, Add	*19.86*	
		For >10 To 20, Add	*11.07*	
		For >20 To 40, Add	*6.11*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.68*	
		For >200, Deduct	*-9.74*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	46.49	10.88
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	66.58	10.88
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	124.54	10.88
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	165.19	12.03
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	36.15	6.64
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	6.86	1.72
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	8.58	2.58
07 53 29		**Polyisobutylene Roofing** *(07 53)*		
07 53 29 00-0001		Polyisobutylene (PIB) Roofing Membranes *(07 53 29)* Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	536.73	51.56
		For Up To 10, Add	*127.97*	
		For >10 To 20, Add	*69.14*	
		For >20 To 40, Add	*37.15*	
		For >75 To 100, Deduct	*-18.57*	
		For >100 To 200, Deduct	*-39.73*	
		For >200, Deduct	*-58.30*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	599.31	74.49
		For Up To 10, Add	*149.66*	
		For >10 To 20, Add	*82.28*	
		For >20 To 40, Add	*44.86*	
		For >75 To 100, Deduct	*-22.43*	
		For >100 To 200, Deduct	*-48.59*	
		For >200, Deduct	*-71.02*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	720.15	97.40
		For Up To 10, Add	*182.99*	
		For >10 To 20, Add	*101.24*	
		For >20 To 40, Add	*55.49*	
		For >75 To 100, Deduct	*-27.74*	
		For >100 To 200, Deduct	*-60.36*	
		For >200, Deduct	*-88.10*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	262.68	45.84
		Note: Includes ballast.		
		For Up To 10, Add	*70.87*	
		For >10 To 20, Add	*40.02*	
		For >20 To 40, Add	*22.30*	
		For >75 To 100, Deduct	*-11.15*	
		For >100 To 200, Deduct	*-24.59*	
		For >200, Deduct	*-35.74*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	295.02	48.70
		Note: Includes ballast.		
		For Up To 10, Add	*78.48*	
		For >10 To 20, Add	*44.11*	
		For >20 To 40, Add	*24.49*	
		For >75 To 100, Deduct	*-12.25*	
		For >100 To 200, Deduct	*-26.93*	
		For >200, Deduct	*-39.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	331.88	50.14
		Note: Includes ballast.		
		For Up To 10, Add	*86.43*	
		For >10 To 20, Add	*48.23*	
		For >20 To 40, Add	*26.62*	
		For >75 To 100, Deduct	*-13.31*	
		For >100 To 200, Deduct	*-29.13*	
		For >200, Deduct	*-42.44*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	349.53	51.56
		Note: Includes ballast.		
		For Up To 10, Add	*90.53*	
		For >10 To 20, Add	*50.42*	
		For >20 To 40, Add	*27.79*	
		For >75 To 100, Deduct	*-13.89*	
		For >100 To 200, Deduct	*-30.37*	
		For >200, Deduct	*-44.26*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	489.14	91.67
		Note: Includes adhesive.		
		For Up To 10, Add	*134.50*	
		For >10 To 20, Add	*76.42*	
		For >20 To 40, Add	*42.79*	
		For >75 To 100, Deduct	*-21.40*	
		For >100 To 200, Deduct	*-47.38*	
		For >200, Deduct	*-68.77*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	521.47	94.54
		Note: Includes adhesive.		
		For Up To 10, Add	*142.11*	
		For >10 To 20, Add	*80.51*	
		For >20 To 40, Add	*44.98*	
		For >75 To 100, Deduct	*-22.49*	
		For >100 To 200, Deduct	*-49.71*	
		For >200, Deduct	*-72.20*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	558.34	95.97
		Note: Includes adhesive.		
		For Up To 10, Add	*150.06*	
		For >10 To 20, Add	*84.63*	
		For >20 To 40, Add	*47.11*	
		For >75 To 100, Deduct	*-23.56*	
		For >100 To 200, Deduct	*-51.91*	
		For >200, Deduct	*-75.47*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	575.99	97.40
		For Up To 10, Add	*154.16*	
		For >10 To 20, Add	*86.82*	
		For >20 To 40, Add	*48.28*	
		For >75 To 100, Deduct	*-24.14*	
		For >100 To 200, Deduct	*-53.15*	
		For >200, Deduct	*-77.29*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	283.76	68.76
		For Up To 10, Add	*84.25*	
		For >10 To 20, Add	*49.00*	
		For >20 To 40, Add	*27.94*	
		For >75 To 100, Deduct	*-13.97*	
		For >100 To 200, Deduct	*-31.38*	
		For >200, Deduct	*-45.35*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*34.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.70*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	316.09	71.62
		For Up To 10, Add	*91.86*	
		For >10 To 20, Add	*53.09*	
		For >20 To 40, Add	*30.13*	
		For >75 To 100, Deduct	*-15.06*	
		For >100 To 200, Deduct	*-33.71*	
		For >200, Deduct	*-48.77*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*35.81*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.13*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	352.97	73.05
		For Up To 10, Add	*99.82*	
		For >10 To 20, Add	*57.21*	
		For >20 To 40, Add	*32.26*	
		For >75 To 100, Deduct	*-16.13*	
		For >100 To 200, Deduct	*-35.91*	
		For >200, Deduct	*-52.04*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*36.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.85*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	370.61	74.49
		For Up To 10, Add	*103.92*	
		For >10 To 20, Add	*59.41*	
		For >20 To 40, Add	*33.43*	
		For >75 To 100, Deduct	*-16.71*	
		For >100 To 200, Deduct	*-37.15*	
		For >200, Deduct	*-53.87*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*37.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.56*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	73.82	
		For Up To 10, Add	*19.35*	
		For >10 To 20, Add	*10.82*	
		For >20 To 40, Add	*5.98*	
		For >75 To 100, Deduct	*-2.99*	
		For >100 To 200, Deduct	*-6.56*	
		For >200, Deduct	*-9.55*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	76.36	
		For Up To 10, Add	*19.86*	
		For >10 To 20, Add	*11.07*	
		For >20 To 40, Add	*6.11*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.68*	
		For >200, Deduct	*-9.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	77.10	9.74
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	108.25	10.88
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	138.48	12.03
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	176.20	12.03
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	30.97	6.64
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	8.17	1.72
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	9.89	2.58
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	11.05	1.72

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	479.35	91.67
		For Up To 10, Add	*132.54*	
		For >10 To 20, Add	*75.44*	
		For >20 To 40, Add	*42.30*	
		For >75 To 100, Deduct	*-21.15*	
		For >100 To 200, Deduct	*-46.89*	
		For >200, Deduct	*-68.04*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	513.88	94.54
		For Up To 10, Add	*140.59*	
		For >10 To 20, Add	*79.75*	
		For >20 To 40, Add	*44.60*	
		For >75 To 100, Deduct	*-22.30*	
		For >100 To 200, Deduct	*-49.33*	
		For >200, Deduct	*-71.63*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	667.68	97.40
		For Up To 10, Add	*172.50*	
		For >10 To 20, Add	*95.99*	
		For >20 To 40, Add	*52.87*	
		For >75 To 100, Deduct	*-26.43*	
		For >100 To 200, Deduct	*-57.74*	
		For >200, Deduct	*-84.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	317.18	68.76
		For Up To 10, Add	*90.94*	
		For >10 To 20, Add	*52.34*	
		For >20 To 40, Add	*29.61*	
		For >75 To 100, Deduct	*-14.81*	
		For >100 To 200, Deduct	*-33.05*	
		For >200, Deduct	*-47.85*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*34.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.70*	
07 54 23 00-0006	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	351.71	71.62
		For Up To 10, Add	*98.99*	
		For >10 To 20, Add	*56.66*	
		For >20 To 40, Add	*31.91*	
		For >75 To 100, Deduct	*-15.95*	
		For >100 To 200, Deduct	*-35.49*	
		For >200, Deduct	*-51.44*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*35.81*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0007	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	505.50	74.49
		For Up To 10, Add	*130.89*	
		For >10 To 20, Add	*72.90*	
		For >20 To 40, Add	*40.17*	
		For >75 To 100, Deduct	*-20.09*	
		For >100 To 200, Deduct	*-43.90*	
		For >200, Deduct	*-63.98*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*37.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.56*	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0009	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	87.82	
		For Up To 10, Add	*22.15*	
		For >10 To 20, Add	*12.22*	
		For >20 To 40, Add	*6.68*	
		For >75 To 100, Deduct	*-3.34*	
		For >100 To 200, Deduct	*-7.26*	
		For >200, Deduct	*-10.60*	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	76.36	
		For Up To 10, Add	*19.86*	
		For >10 To 20, Add	*11.07*	
		For >20 To 40, Add	*6.11*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.68*	
		For >200, Deduct	*-9.74*	
		For Tan Or Gray Color, Add	*2.67*	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	66.40	9.74
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	71.67	10.88
07 54 23 00-0013	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	131.67	12.03
07 54 23 00-0014	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	30.58	6.64
07 54 23 00-0015	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	8.54	1.72
07 54 23 00-0016	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	7.36	1.72
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	12.52	1.72

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) FRoofing *(07 56)*

07 56 00 00-0002	SQ	Rubber - Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) For Metal	494.91	
07 56 00 00-0003	SQ	Rubberized Aluminum - Non-Asphaltic Coating	321.44	
07 56 00 00-0004	SQ	Rubberized Aluminum - Asphaltic Coating	396.34	

07 56 00 00-0005 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0006	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,079.00	151.59
		For Each Additional Coat, Add	*161.85*	

07 56 00 00-0007 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0008	SQ	2 Mil Vinyl Liquid Roofing	1,366.16	159.75
07 56 00 00-0009	SQ	4 Mil Vinyl Liquid Roofing	1,528.99	178.41

07 56 00 00-0010 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0011	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	461.44	91.54
07 56 00 00-0012	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	550.16	91.54
07 56 00 00-0013	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	616.89	91.54

07 56 00 00-0014 Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0015	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,989.11	91.54

07 56 00 00-0016 Urethane Liquid Roofing Membrane *(07 56)*

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0017	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	100.69	
07 56 00 00-0018	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	5.43	
07 56 00 00-0019	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	384.30	
07 56 00 00-0020	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	98.93	
07 56 00 00-0021	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	948.87	
07 56 00 00-0022	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,435.12	
07 56 00 00-0023	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	981.67	
07 56 00 00-0024	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	252.86	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*

07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	402.35	55.58
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	485.88	59.55
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	569.41	63.53
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	661.43	67.49
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	753.44	71.46
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	828.49	75.43
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	903.54	79.41
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	987.08	83.37
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,070.61	87.34
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,154.14	91.32
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,237.67	95.28

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	415.54	55.58
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	499.08	59.55
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	582.61	63.53
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	666.14	67.49
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	749.67	71.46
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	833.21	75.43
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	916.74	79.41
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,000.27	83.37
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,083.80	87.34
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,167.34	91.32
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,250.87	95.28

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0027		**Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	447.59	55.58
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	528.29	59.55
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	609.00	63.53
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	692.53	67.49
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	776.06	71.46
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	894.84	75.43
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,013.62	79.41
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,104.31	83.37
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,195.01	87.34
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,285.70	91.32
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,376.40	95.28
07 57 13 00-0039		**Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating** *(07 57 13 00-0001)*		
07 57 13 00-0040		**Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating** *(07 57 13 00-0039)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	457.01	55.58
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	547.70	59.55
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	638.40	63.53
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	729.09	67.49
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	819.79	71.46
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	910.48	75.43
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,001.18	79.41
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,091.87	83.37
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,182.57	87.34
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,273.26	91.32
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,363.96	95.28
07 57 13 00-0052		**Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating** *(07 57 13 00-0039)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	475.67	55.58
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	566.36	59.55
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	657.06	63.53
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	747.75	67.49
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	838.45	71.46
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	929.14	75.43
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,019.84	79.41
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,110.53	83.37
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,201.23	87.34
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,291.92	91.32
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,382.62	95.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0064		Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	490.18	55.58
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	580.88	59.55
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	671.57	63.53
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	762.27	67.49
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	852.96	71.46
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	943.65	75.43
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,034.35	79.41
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,125.04	83.37
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,215.74	87.34
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,306.43	91.32
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,397.13	95.28

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001		Prepared Roll Roofing *(07 58)* Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	276.68	35.61

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001		Membrane Roofing Termination Bar *(07 59)*		
07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.18	1.63

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001		Standing Seam Concealed Fastener Roofing *(07 61 13)*		
07 61 13 00-0002		Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	36.03	4.04
		For Steep Roof, Over 6 To 12, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.37*	
		For Panels <16" Wide, Add	*3.29*	
		For Up To 1,500, Add	*9.01*	
		For >1,500 To 5,000, Add	*5.40*	
		For >5,000 To 10,000, Add	*0.90*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	39.43	4.38
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For 140 MPH Wind Load, Add	*1.49*	
		For Panels <16" Wide, Add	*3.59*	
		For Up To 1,500, Add	*9.86*	
		For >1,500 To 5,000, Add	*5.91*	
		For >5,000 To 10,000, Add	*0.99*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	46.37	4.77
		For Steep Roof, Over 6 To 12, Add	*2.86*	
		For 140 MPH Wind Load, Add	*1.69*	
		For Panels <16" Wide, Add	*4.08*	
		For Up To 1,500, Add	*11.59*	
		For >1,500 To 5,000, Add	*6.96*	
		For >5,000 To 10,000, Add	*1.16*	
07 61 13 00-0006		Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	42.02	4.38
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For 140 MPH Wind Load, Add	*1.54*	
		For Panels <16" Wide, Add	*3.72*	
		For Up To 1,500, Add	*10.51*	
		For >1,500 To 5,000, Add	*6.30*	
		For >5,000 To 10,000, Add	*1.05*	
		For Tin/Copper, Deduct	*-0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	50.72	4.56
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.74*	
		For Panels <16" Wide, Add	*4.22*	
		For Up To 1,500, Add	*12.68*	
		For >1,500 To 5,000, Add	*7.61*	
		For >5,000 To 10,000, Add	*1.27*	
		For Tin/Copper, Deduct	*-0.83*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	57.55	4.77
		For Steep Roof, Over 6 To 12, Add	*2.86*	
		For 140 MPH Wind Load, Add	*1.91*	
		For Panels <16" Wide, Add	*4.64*	
		For Up To 1,500, Add	*14.39*	
		For >1,500 To 5,000, Add	*8.63*	
		For >5,000 To 10,000, Add	*1.44*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	71.91	5.00
		For Steep Roof, Over 6 To 12, Add	*3.00*	
		For 140 MPH Wind Load, Add	*2.24*	
		For Panels <16" Wide, Add	*5.44*	
		For Up To 1,500, Add	*17.98*	
		For >1,500 To 5,000, Add	*10.79*	
		For >5,000 To 10,000, Add	*1.80*	
		For Tin/Copper, Deduct	*-1.24*	
07 61 13 00-0011		Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	149.62	8.34
		For Steep Roof, Over 6 To 12, Add	*6.26*	
		For 140 MPH Wind Load, Add	*4.66*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	87.26	8.34
		For Steep Roof, Over 6 To 12, Add	*6.26*	
		For 140 MPH Wind Load, Add	*3.41*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	208.59	8.34
		For Steep Roof, Over 6 To 12, Add	*6.26*	
		For 140 MPH Wind Load, Add	*5.84*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	154.28	8.34
		For Steep Roof, Over 6 To 12, Add	*6.26*	
		For 140 MPH Wind Load, Add	*4.75*	
07 61 16		**Batten Seam Sheet Metal Roofing** *(07 61)*		
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	44.31	4.77
		For Steep Roof, Over 6 To 12, Add	*2.86*	
		For 140 MPH Wind Load, Add	*1.65*	
		For Panels <16" Wide, Add	*3.98*	
		For Up To 1,500, Add	*11.08*	
		For >1,500 To 5,000, Add	*6.65*	
		For >5,000 To 10,000, Add	*1.11*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	48.88	5.01
		For Steep Roof, Over 6 To 12, Add	*3.00*	
		For 140 MPH Wind Load, Add	*1.78*	
		For Panels <16" Wide, Add	*4.30*	
		For Up To 1,500, Add	*12.22*	
		For >1,500 To 5,000, Add	*7.33*	
		For >5,000 To 10,000, Add	*1.22*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	56.86	5.25
		For Steep Roof, Over 6 To 12, Add	*3.15*	
		For 140 MPH Wind Load, Add	*1.98*	
		For Panels <16" Wide, Add	*4.78*	
		For Up To 1,500, Add	*14.22*	
		For >1,500 To 5,000, Add	*8.53*	
		For >5,000 To 10,000, Add	*1.42*	
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	44.88	4.38
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For 140 MPH Wind Load, Add	*1.60*	
		For Panels <16" Wide, Add	*3.86*	
		For Up To 1,500, Add	*11.22*	
		For >1,500 To 5,000, Add	*6.73*	
		For >5,000 To 10,000, Add	*1.12*	
		For Tin/Copper, Deduct	*-0.72*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	54.82	4.56
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.83*	
		For Panels <16" Wide, Add	*4.43*	
		For Up To 1,500, Add	*13.71*	
		For >1,500 To 5,000, Add	*8.22*	
		For >5,000 To 10,000, Add	*1.37*	
		For Tin/Copper, Deduct	*-0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	61.37	4.77
		For Steep Roof, Over 6 To 12, Add	*2.86*	
		For 140 MPH Wind Load, Add	*1.99*	
		For Panels <16" Wide, Add	*4.83*	
		For Up To 1,500, Add	*15.34*	
		For >1,500 To 5,000, Add	*9.21*	
		For >5,000 To 10,000, Add	*1.53*	
		For Tin/Copper, Deduct	*-1.04*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	76.82	5.00
		For Steep Roof, Over 6 To 12, Add	*3.00*	
		For 140 MPH Wind Load, Add	*2.34*	
		For Panels <16" Wide, Add	*5.69*	
		For Up To 1,500, Add	*19.21*	
		For >1,500 To 5,000, Add	*11.52*	
		For >5,000 To 10,000, Add	*1.92*	
		For Tin/Copper, Deduct	*-1.34*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	34.38	4.38
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For 140 MPH Wind Load, Add	*1.39*	
		For Panels <16" Wide, Add	*3.34*	
		For Up To 1,500, Add	*8.60*	
		For >1,500 To 5,000, Add	*5.16*	
		For >5,000 To 10,000, Add	*0.86*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	37.77	4.56
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.49*	
		For Panels <16" Wide, Add	*3.58*	
		For Up To 1,500, Add	*9.44*	
		For >1,500 To 5,000, Add	*5.67*	
		For >5,000 To 10,000, Add	*0.94*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	43.64	4.77
		For Steep Roof, Over 6 To 12, Add	*2.86*	
		For 140 MPH Wind Load, Add	*1.64*	
		For Panels <16" Wide, Add	*3.95*	
		For Up To 1,500, Add	*10.91*	
		For >1,500 To 5,000, Add	*6.55*	
		For >5,000 To 10,000, Add	*1.09*	

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	39.43	4.38
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For 140 MPH Wind Load, Add	*1.49*	
		For Panels <16" Wide, Add	*3.59*	
		For Up To 1,500, Add	*9.86*	
		For >1,500 To 5,000, Add	*5.91*	
		For >5,000 To 10,000, Add	*0.99*	
		For Tin/Copper, Deduct	*-0.61*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	48.00	4.56
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.69*	
		For Panels <16" Wide, Add	*4.09*	
		For Up To 1,500, Add	*12.00*	
		For >1,500 To 5,000, Add	*7.20*	
		For >5,000 To 10,000, Add	*1.20*	
		For Tin/Copper, Deduct	*-0.78*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	53.87	4.77
		For Steep Roof, Over 6 To 12, Add	*2.86*	
		For 140 MPH Wind Load, Add	*1.84*	
		For Panels <16" Wide, Add	*4.46*	
		For Up To 1,500, Add	*13.47*	
		For >1,500 To 5,000, Add	*8.08*	
		For >5,000 To 10,000, Add	*1.35*	
		For Tin/Copper, Deduct	*-0.89*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	67.27	5.00
		For Steep Roof, Over 6 To 12, Add	*3.00*	
		For 140 MPH Wind Load, Add	*2.14*	
		For Panels <16" Wide, Add	*5.21*	
		For Up To 1,500, Add	*16.82*	
		For >1,500 To 5,000, Add	*10.09*	
		For >5,000 To 10,000, Add	*1.68*	
		For Tin/Copper, Deduct	*-1.15*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	25.22	6.36
		For Up To 100, Add	*6.31*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	32.75	6.36
		For Up To 100, Add	*8.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0004		**Copper Flashing And Trim** *(07 62 13)*		
07 62 13 00-0005		**Copper Flashing And Trim** *(07 62 13 00-0004)*		
07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	29.85	6.22
		For Up To 100, Add	*7.46*	
		For >500 To 2,000, Deduct	*-4.13*	
		For >2,000, Deduct	*-5.00*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.46*	
		For Wrap Around Window Panning, Add	*12.29*	
		For Zinc-Tin Coated Copper, Add	*4.83*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	30.84	6.36
		For Up To 100, Add	*7.71*	
		For >500 To 2,000, Deduct	*-4.27*	
		For >2,000, Deduct	*-5.17*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.57*	
		For Wrap Around Window Panning, Add	*12.85*	
		For Zinc-Tin Coated Copper, Add	*4.95*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	35.05	6.79
		For Up To 100, Add	*8.76*	
		For >500 To 2,000, Deduct	*-4.83*	
		For >2,000, Deduct	*-5.91*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.69*	
		For Wrap Around Window Panning, Add	*13.46*	
		For Zinc-Tin Coated Copper, Add	*5.94*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	42.92	7.07
		For Up To 100, Add	*10.73*	
		For >500 To 2,000, Deduct	*-5.86*	
		For >2,000, Deduct	*-7.30*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.83*	
		For Wrap Around Window Panning, Add	*14.13*	
		For Zinc-Tin Coated Copper, Add	*7.92*	
07 62 13 00-0010		**Stainless Steel Flashing And Trim** *(07 62 13)*		
07 62 13 00-0011		**Stainless Steel Flashing And Trim** *(07 62 13 00-0010)*		
07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	11.89	3.39
		For Up To 100, Add	*2.97*	
		For Wrap Around Window Panning, Add	*8.72*	
		For Mechanically Keyed Flashing, Add	*1.27*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	12.82	3.81
		For Up To 100, Add	*3.21*	
		For Wrap Around Window Panning, Add	*8.86*	
		For Mechanically Keyed Flashing, Add	*1.58*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	13.76	4.24
		For Up To 100, Add	*3.44*	
		For Wrap Around Window Panning, Add	*9.01*	
		For Mechanically Keyed Flashing, Add	*1.90*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	15.24	4.66
		For Up To 100, Add	*3.81*	
		For Wrap Around Window Panning, Add	*9.30*	
		For Mechanically Keyed Flashing, Add	*2.38*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	17.72	4.94
		For Up To 100, Add	*4.43*	
		For Wrap Around Window Panning, Add	*9.81*	
		For Mechanically Keyed Flashing, Add	*3.16*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	19.32	5.19
		For Up To 100, Add	*4.83*	
		For Wrap Around Window Panning, Add	*10.39*	
		For Mechanically Keyed Flashing, Add	*3.57*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	20.67	5.52
		For Up To 100, Add	*5.17*	
		For Wrap Around Window Panning, Add	*10.99*	
		For Mechanically Keyed Flashing, Add	*3.87*	
07 62 13 00-0019		**Aluminum Flashing And Trim** *(07 62 13)*		
07 62 13 00-0020		**Aluminum Flashing And Trim** *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	14.04	4.38
		For Up To 100, Add	*3.51*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*9.74*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	14.97	4.38
		For Up To 100, Add	*3.74*	
		For Baked Aluminum Colors, Add	*0.52*	
		For Wrap Around Window Panning, Add	*9.74*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	15.72	4.38
		For Up To 100, Add	*3.93*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*9.74*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	16.79	4.38
		For Up To 100, Add	*4.20*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*9.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	18.29	4.38
		For Up To 100, Add	*4.57*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*9.74*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	19.21	4.38
		For Up To 100, Add	*4.80*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*9.74*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	19.96	4.38
		For Up To 100, Add	*4.99*	
		For Baked Aluminum Colors, Add	*1.02*	
		For Wrap Around Window Panning, Add	*9.74*	
07 62 13 00-0028		Steel Flashing And Trim *(07 62 13)*		
07 62 13 00-0029		Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	13.70	4.24
		For Up To 100, Add	*3.43*	
		For Wrap Around Window Panning, Add	*9.01*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	14.24	4.66
		For Up To 100, Add	*3.56*	
		For Wrap Around Window Panning, Add	*9.30*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	15.15	4.94
		For Up To 100, Add	*3.79*	
		For Wrap Around Window Panning, Add	*9.81*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	16.11	5.19
		For Up To 100, Add	*4.03*	
		For Wrap Around Window Panning, Add	*10.39*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	17.39	5.52
		For Up To 100, Add	*4.35*	
		For Wrap Around Window Panning, Add	*10.99*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001		Drip Edge *(07 62 19)*		
07 62 19 00-0002		Aluminum Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.26	1.79
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.57	1.91
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.74	2.14
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.59	2.26
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.95	2.38
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.21	1.79
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.63	1.91
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.32	2.14
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.48	2.26
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.74	2.38
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.15	1.79
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.89	1.91
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.84	2.14
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.38	2.26
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.27	2.38
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.05	1.79
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.42	1.91
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.85	2.14
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.17	2.26
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	38.33	2.38
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.68	1.79
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.37	1.91
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.85	2.14
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.44	2.26
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.01	2.38
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.89	1.79
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.21	1.91
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.32	2.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.86	2.26
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	45.91	2.38
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.05	1.79
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.42	1.91
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.33	2.14
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	42.18	2.26
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	54.33	2.38
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.85	1.79
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.48	1.91
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.33	2.14
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	49.76	2.26
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	64.44	2.38
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	10.81	1.79
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	13.24	1.91
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.88	2.14
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	17.69	2.26
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	22.19	2.38
07 62 19 00-0059		0.019" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	11.46	1.79
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	13.97	1.91
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.97	2.14
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	18.99	2.26
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	23.42	2.38
07 62 19 00-0065		0.025" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	12.12	1.79
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	14.84	1.91
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	17.02	2.14
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	20.30	2.26
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	25.16	2.38
07 62 19 00-0071		0.032" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	13.42	1.79
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	16.58	1.91
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	19.09	2.14
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	22.91	2.26
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	28.65	2.38
07 62 19 00-0077		0.040" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	13.86	1.79
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	17.23	1.91
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	19.78	2.14
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	23.79	2.26
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	29.81	2.38
07 62 19 00-0083		0.050" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	15.38	1.79
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	19.19	1.91
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	22.18	2.14
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	26.84	2.26
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	33.88	2.38
07 62 19 00-0089		0.063" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	17.56	1.79
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	22.10	1.91
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	25.63	2.14
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	31.20	2.26
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	39.69	2.38
07 62 19 00-0095		0.080" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	20.18	1.79
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	25.59	1.91
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	29.77	2.14
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	36.43	2.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	46.66	2.38
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	13.73	1.79
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.22	1.91
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.48	2.14
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.54	2.26
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.26	2.38
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.74	1.79
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.33	1.91
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.16	2.14
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.55	2.26
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.16	2.38
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.74	1.79
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.67	1.91
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.78	2.14
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.55	2.26
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.84	2.38
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.75	1.79
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.35	1.91
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.96	2.14
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.57	2.26
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	40.20	2.38
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.42	1.79
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.36	1.91
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.02	2.14
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.91	2.26
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.98	2.38
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.77	1.79
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.37	1.91
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.70	2.14
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.60	2.26
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	48.23	2.38
07 62 19 00-0138		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.12	1.79
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.84	1.91
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.01	2.14
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	44.30	2.26
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	57.16	2.38
07 62 19 00-0144		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.13	1.79
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.20	1.91
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	42.37	2.14
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	52.34	2.26
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	67.88	2.38
07 62 19 00-0150		**Galvanized Steel Drip Edge** *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		**Galvanized Steel Drip Edge** *(07 62 19 00-0150)*		
07 62 19 00-0152		**26 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	12.62	1.79
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	15.58	1.91
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	17.83	2.14
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	21.32	2.26
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	26.52	2.38
07 62 19 00-0158		**24 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	13.72	1.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	17.04	1.91
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	19.55	2.14
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	23.51	2.26
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	29.41	2.38
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	15.89	1.79
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	19.96	1.91
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.01	2.14
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.85	2.26
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	35.24	2.38
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.47	1.79
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.08	1.91
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	25.51	2.14
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	31.01	2.26
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	39.45	2.38
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	21.92	1.79
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	27.92	1.91
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	32.54	2.14
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	39.92	2.26
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	51.32	2.38
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	27.14	1.79
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	34.87	1.91
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	40.82	2.14
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	50.35	2.26
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	65.23	2.38
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	33.28	1.79
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	43.05	1.91
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	50.53	2.14
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	62.62	2.26
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	81.59	2.38

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001		Pitch Pockets *(07 63)*	
		Note: Cut into deck, filled with non-shrink grout, includes blocking.	
07 63 00 00-0002		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*	
07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	100.14
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	120.42
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	146.37
		For Pourable Sealer Filled, Add	*162.37*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	160.70
		For Pourable Sealer Filled, Add	*202.96*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	174.20
		For Pourable Sealer Filled, Add	*243.55*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	204.40
		For Pourable Sealer Filled, Add	*365.33*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*
07 63 00 00-0009		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*	
07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	104.03
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	124.78
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	151.96	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	169.47	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	182.78	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	213.64	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	110.53	
		For Pourable Sealer Filled, Add	*40.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	131.49	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	152.99	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	166.36	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	178.68	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	206.53	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	78.92	
		For Pourable Sealer Filled, Add	*40.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	90.87	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	106.79	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	116.87	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	126.96	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	152.45	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe	117.18	41.17
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe	117.18	41.17
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe	136.69	41.17
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe	147.84	41.17
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe	153.42	41.17
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe	156.21	41.17
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe	184.08	41.17
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe	196.63	41.17

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	102.85	26.61
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	104.12	26.61
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	108.69	26.61
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	112.63	26.61

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	15.66	2.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	10.09	3.21
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	13.46	3.44
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	17.18	3.80
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	21.09	4.28

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	35.37	2.57
		For Up To 25 LF, Add	*5.25*	
		For >25 To 100 LF, Add	*2.63*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	37.31	2.79
		For Up To 25 LF, Add	*5.59*	
		For >25 To 100 LF, Add	*2.79*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	42.54	2.93
		For Up To 25 LF, Add	*6.21*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	49.40	3.22
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	59.66	3.36
		For Up To 25 LF, Add	*8.21*	
		For >25 To 100 LF, Add	*4.10*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.12	2.57
		For Up To 25 LF, Add	*4.53*	
		For >25 To 100 LF, Add	*2.26*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.01	2.79
		For Up To 25 LF, Add	*4.86*	
		For >25 To 100 LF, Add	*2.43*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.97	2.93
		For Up To 25 LF, Add	*5.45*	
		For >25 To 100 LF, Add	*2.73*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	41.72	3.22
		For Up To 25 LF, Add	*6.32*	
		For >25 To 100 LF, Add	*3.16*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	51.80	3.36
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.50	2.57
		For Up To 25 LF, Add	*4.77*	
		For >25 To 100 LF, Add	*2.38*	
		For >1,000 LF, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.55	2.79
		For Up To 25 LF, Add	*5.11*	
		For >25 To 100 LF, Add	*2.56*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	37.98	2.93
		For Up To 25 LF, Add	*5.75*	
		For >25 To 100 LF, Add	*2.88*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	45.36	3.22
		For Up To 25 LF, Add	*6.68*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	56.41	3.36
		For Up To 25 LF, Add	*7.88*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.46	2.57
		For Up To 25 LF, Add	*4.96*	
		For >25 To 100 LF, Add	*2.48*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.81	2.79
		For Up To 25 LF, Add	*5.34*	
		For >25 To 100 LF, Add	*2.67*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	41.72	2.93
		For Up To 25 LF, Add	*6.13*	
		For >25 To 100 LF, Add	*3.06*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.06	3.22
		For Up To 25 LF, Add	*7.35*	
		For >25 To 100 LF, Add	*3.68*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	67.26	3.36
		For Up To 25 LF, Add	*8.97*	
		For >25 To 100 LF, Add	*4.48*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	38.84	2.57
		For Up To 25 LF, Add	*5.60*	
		For >25 To 100 LF, Add	*2.80*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.43	2.79
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.51	2.93
		For Up To 25 LF, Add	*6.81*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	58.09	3.22
		For Up To 25 LF, Add	*7.95*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	72.58	3.36
		For Up To 25 LF, Add	*9.50*	
		For >25 To 100 LF, Add	*4.75*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.29	2.57
		For Up To 25 LF, Add	*5.95*	
		For >25 To 100 LF, Add	*2.97*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.11	2.79
		For Up To 25 LF, Add	*6.37*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	52.87	2.93
		For Up To 25 LF, Add	*7.24*	
		For >25 To 100 LF, Add	*3.62*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	63.36	3.22
		For Up To 25 LF, Add	*8.48*	
		For >25 To 100 LF, Add	*4.24*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	79.28	3.36
		For Up To 25 LF, Add	*10.17*	
		For >25 To 100 LF, Add	*5.08*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.13	2.57
		For Up To 25 LF, Add	*6.23*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.39	2.79
		For Up To 25 LF, Add	*6.70*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	58.29	2.93
		For Up To 25 LF, Add	*7.79*	
		For >25 To 100 LF, Add	*3.89*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.08	3.22
		For Up To 25 LF, Add	*9.45*	
		For >25 To 100 LF, Add	*4.73*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	95.01	3.36
		For Up To 25 LF, Add	*11.74*	
		For >25 To 100 LF, Add	*5.87*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	40.91	2.57
		For Up To 25 LF, Add	*5.81*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.64	2.79
		For Up To 25 LF, Add	*6.22*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.12	2.93
		For Up To 25 LF, Add	*7.07*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.25	3.22
		For Up To 25 LF, Add	*8.27*	
		For >25 To 100 LF, Add	*4.13*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	76.60	3.36
		For Up To 25 LF, Add	*9.90*	
		For >25 To 100 LF, Add	*4.95*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.57	2.57
		For Up To 25 LF, Add	*6.17*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.54	2.79
		For Up To 25 LF, Add	*6.61*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	55.75	2.93
		For Up To 25 LF, Add	*7.53*	
		For >25 To 100 LF, Add	*3.77*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	66.84	3.22
		For Up To 25 LF, Add	*8.83*	
		For >25 To 100 LF, Add	*4.41*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	83.70	3.36
		For Up To 25 LF, Add	*10.61*	
		For >25 To 100 LF, Add	*5.31*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.58	2.57
		For Up To 25 LF, Add	*6.47*	
		For >25 To 100 LF, Add	*3.24*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.02	2.79
		For Up To 25 LF, Add	*6.96*	
		For >25 To 100 LF, Add	*3.48*	
		For >1,000 LF, Deduct	*-0.46*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.49	2.93
		For Up To 25 LF, Add	*8.11*	
		For >25 To 100 LF, Add	*4.05*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.14	3.22
		For Up To 25 LF, Add	*9.86*	
		For >25 To 100 LF, Add	*4.93*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	100.37	3.36
		For Up To 25 LF, Add	*12.28*	
		For >25 To 100 LF, Add	*6.14*	
		For >1,000 LF, Deduct	*-0.56*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	41.55	2.03
		For Up To 25 LF, Add	*6.54*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.90	2.38
		For Up To 25 LF, Add	*7.10*	
		For >25 To 100 LF, Add	*3.55*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.32	2.62
		For Up To 25 LF, Add	*7.62*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.80*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.17	2.03
		For Up To 25 LF, Add	*6.80*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.64	2.38
		For Up To 25 LF, Add	*7.38*	
		For >25 To 100 LF, Add	*3.69*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.20	2.62
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0013		**0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)*		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.58	2.03
		For Up To 25 LF, Add	*7.14*	
		For >25 To 100 LF, Add	*3.57*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.90	2.38
		For Up To 25 LF, Add	*7.70*	
		For >25 To 100 LF, Add	*3.85*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.83	2.62
		For Up To 25 LF, Add	*8.28*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0017		**0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.90	2.03
		For Up To 25 LF, Add	*7.37*	
		For >25 To 100 LF, Add	*3.69*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.31	2.38
		For Up To 25 LF, Add	*7.94*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	53.38	2.62
		For Up To 25 LF, Add	*8.53*	
		For >25 To 100 LF, Add	*4.27*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0021		**Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0003)*		
07 71 19 00-0022		**0.032" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	27.02	2.03
		For Up To 25 LF, Add	*5.09*	
		For >25 To 100 LF, Add	*2.54*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	29.11	2.38
		For Up To 25 LF, Add	*5.72*	
		For >25 To 100 LF, Add	*2.86*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	31.22	2.62
		For Up To 25 LF, Add	*6.31*	
		For >25 To 100 LF, Add	*3.16*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0026		**0.040" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	29.20	2.03
		For Up To 25 LF, Add	*5.30*	
		For >25 To 100 LF, Add	*2.65*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	31.00	2.38
		For Up To 25 LF, Add	*5.91*	
		For >25 To 100 LF, Add	*2.96*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	32.68	2.62
		For Up To 25 LF, Add	*6.46*	
		For >25 To 100 LF, Add	*3.23*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0030		**0.050" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	31.38	2.03
		For Up To 25 LF, Add	*5.52*	
		For >25 To 100 LF, Add	*2.76*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	33.18	2.38
		For Up To 25 LF, Add	*6.13*	
		For >25 To 100 LF, Add	*3.07*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	35.04	2.62
		For Up To 25 LF, Add	*6.70*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0034		**0.063" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	33.74	2.03
		For Up To 25 LF, Add	*5.76*	
		For >25 To 100 LF, Add	*2.88*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	35.36	2.38
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.17*	
		For >1,000 LF, Deduct	*-0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.79	2.62
		For Up To 25 LF, Add	*6.87*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.80*	

07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	49.61	2.03
		For Up To 25 LF, Add	*7.35*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	51.31	2.38
		For Up To 25 LF, Add	*7.94*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.85	2.62
		For Up To 25 LF, Add	*8.48*	
		For >25 To 100 LF, Add	*4.24*	
		For >1,000 LF, Deduct	*-0.80*	

07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.75	2.03
		For Up To 25 LF, Add	*7.66*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.59	2.38
		For Up To 25 LF, Add	*8.27*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.28	2.62
		For Up To 25 LF, Add	*8.82*	
		For >25 To 100 LF, Add	*4.41*	
		For >1,000 LF, Deduct	*-0.80*	

07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.85	2.03
		For Up To 25 LF, Add	*8.07*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.51	2.38
		For Up To 25 LF, Add	*8.66*	
		For >25 To 100 LF, Add	*4.33*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.91	2.62
		For Up To 25 LF, Add	*9.18*	
		For >25 To 100 LF, Add	*4.59*	
		For >1,000 LF, Deduct	*-0.80*	

07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.63	2.03
		For Up To 25 LF, Add	*8.35*	
		For >25 To 100 LF, Add	*4.17*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	61.40	2.38
		For Up To 25 LF, Add	*8.95*	
		For >25 To 100 LF, Add	*4.48*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.91	2.62
		For Up To 25 LF, Add	*9.48*	
		For >25 To 100 LF, Add	*4.74*	
		For >1,000 LF, Deduct	*-0.80*	

07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	46.86	2.14
		For Up To 25 LF, Add	*7.31*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.79	2.56
		For Up To 25 LF, Add	*8.08*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.14	2.92
		For Up To 25 LF, Add	*8.84*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.48	2.14
		For Up To 25 LF, Add	*7.57*	
		For >25 To 100 LF, Add	*3.78*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.52	2.56
		For Up To 25 LF, Add	*8.35*	
		For >25 To 100 LF, Add	*4.17*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.02	2.92
		For Up To 25 LF, Add	*9.13*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.89	2.14
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.95*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.79	2.56
		For Up To 25 LF, Add	*8.68*	
		For >25 To 100 LF, Add	*4.34*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.65	2.92
		For Up To 25 LF, Add	*9.49*	
		For >25 To 100 LF, Add	*4.74*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.21	2.14
		For Up To 25 LF, Add	*8.14*	
		For >25 To 100 LF, Add	*4.07*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	58.19	2.56
		For Up To 25 LF, Add	*8.92*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	62.20	2.92
		For Up To 25 LF, Add	*9.74*	
		For >25 To 100 LF, Add	*4.87*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	34.35	2.14
		For Up To 25 LF, Add	*6.06*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.74	2.56
		For Up To 25 LF, Add	*6.77*	
		For >25 To 100 LF, Add	*3.39*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.50	2.92
		For Up To 25 LF, Add	*7.47*	
		For >25 To 100 LF, Add	*3.74*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.16	2.14
		For Up To 25 LF, Add	*6.24*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.62	2.56
		For Up To 25 LF, Add	*6.96*	
		For >25 To 100 LF, Add	*3.48*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.50	2.92
		For Up To 25 LF, Add	*7.67*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.88*	

07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.51	2.14
		For Up To 25 LF, Add	*6.47*	
		For >25 To 100 LF, Add	*3.24*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.88	2.56
		For Up To 25 LF, Add	*7.18*	
		For >25 To 100 LF, Add	*3.59*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.86	2.92
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.88*	

07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.11	2.14
		For Up To 25 LF, Add	*6.63*	
		For >25 To 100 LF, Add	*3.32*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.53	2.56
		For Up To 25 LF, Add	*7.35*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.61	2.92
		For Up To 25 LF, Add	*8.09*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.88*	

07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	54.92	2.14
		For Up To 25 LF, Add	*8.11*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	58.20	2.56
		For Up To 25 LF, Add	*8.92*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.67	2.92
		For Up To 25 LF, Add	*9.69*	
		For >25 To 100 LF, Add	*4.85*	
		For >1,000 LF, Deduct	*-0.88*	

07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	58.06	2.14
		For Up To 25 LF, Add	*8.43*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.48	2.56
		For Up To 25 LF, Add	*9.24*	
		For >25 To 100 LF, Add	*4.62*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	65.10	2.92
		For Up To 25 LF, Add	*10.03*	
		For >25 To 100 LF, Add	*5.02*	
		For >1,000 LF, Deduct	*-0.88*	

07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.16	2.14
		For Up To 25 LF, Add	*8.84*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	65.40	2.56
		For Up To 25 LF, Add	*9.64*	
		For >25 To 100 LF, Add	*4.82*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	68.73	2.92
		For Up To 25 LF, Add	*10.40*	
		For >25 To 100 LF, Add	*5.20*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	64.94	2.14
		For Up To 25 LF, Add	*9.11*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	68.28	2.56
		For Up To 25 LF, Add	*9.92*	
		For >25 To 100 LF, Add	*4.96*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	71.73	2.92
		For Up To 25 LF, Add	*10.70*	
		For >25 To 100 LF, Add	*5.35*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	39.81	2.03
		For Up To 25 LF, Add	*6.37*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	52.33	2.38
		For Up To 25 LF, Add	*8.05*	
		For >25 To 100 LF, Add	*4.02*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	77.72	2.62
		For Up To 25 LF, Add	*10.96*	
		For >25 To 100 LF, Add	*5.48*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	49.62	2.03
		For Up To 25 LF, Add	*7.35*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	65.42	2.38
		For Up To 25 LF, Add	*9.35*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	97.35	2.62
		For Up To 25 LF, Add	*12.93*	
		For >25 To 100 LF, Add	*6.46*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	60.05	2.03
		For Up To 25 LF, Add	*8.39*	
		For >25 To 100 LF, Add	*4.19*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	79.32	2.38
		For Up To 25 LF, Add	*10.74*	
		For >25 To 100 LF, Add	*5.37*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	118.21	2.62
		For Up To 25 LF, Add	*15.01*	
		For >25 To 100 LF, Add	*7.51*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	47.04	2.14
		For Up To 25 LF, Add	*7.32*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	61.73	2.56
		For Up To 25 LF, Add	*9.27*	
		For >25 To 100 LF, Add	*4.63*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	89.79	2.92
		For Up To 25 LF, Add	*12.50*	
		For >25 To 100 LF, Add	*6.25*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	56.86	2.14
		For Up To 25 LF, Add	*8.31*	
		For >25 To 100 LF, Add	*4.15*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	74.82	2.56
		For Up To 25 LF, Add	*10.58*	
		For >25 To 100 LF, Add	*5.29*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	109.43	2.92
		For Up To 25 LF, Add	*14.47*	
		For >25 To 100 LF, Add	*7.23*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	67.29	2.14
		For Up To 25 LF, Add	*9.35*	
		For >25 To 100 LF, Add	*4.67*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	88.72	2.56
		For Up To 25 LF, Add	*11.97*	
		For >25 To 100 LF, Add	*5.98*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	130.29	2.92
		For Up To 25 LF, Add	*16.55*	
		For >25 To 100 LF, Add	*8.28*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	38.08	2.03
		For Up To 25 LF, Add	*6.19*	
		For >25 To 100 LF, Add	*3.10*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	39.38	2.38
		For Up To 25 LF, Add	*6.75*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	40.96	2.62
		For Up To 25 LF, Add	*7.29*	
		For >25 To 100 LF, Add	*3.64*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	43.54	2.14
		For Up To 25 LF, Add	*6.97*	
		For >25 To 100 LF, Add	*3.49*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	46.46	2.56
		For Up To 25 LF, Add	*7.74*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	50.04	2.92
		For Up To 25 LF, Add	*8.53*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	63.89	2.03
		For Up To 25 LF, Add	*8.77*	
		For >25 To 100 LF, Add	*4.39*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	73.15	2.38
		For Up To 25 LF, Add	*10.13*	
		For >25 To 100 LF, Add	*5.06*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	84.51	2.62
		For Up To 25 LF, Add	*11.64*	
		For >25 To 100 LF, Add	*5.82*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	77.63	2.03
		For Up To 25 LF, Add	*10.15*	
		For >25 To 100 LF, Add	*5.07*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	89.94	2.38
		For Up To 25 LF, Add	*11.81*	
		For >25 To 100 LF, Add	*5.90*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	102.83	2.62
		For Up To 25 LF, Add	*13.48*	
		For >25 To 100 LF, Add	*6.74*	
		For >1,000 LF, Deduct	*-0.80*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	66.47	2.14
		For Up To 25 LF, Add	*9.27*	
		For >25 To 100 LF, Add	*4.63*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	76.45	2.56
		For Up To 25 LF, Add	*10.74*	
		For >25 To 100 LF, Add	*5.37*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	88.70	2.92
		For Up To 25 LF, Add	*12.39*	
		For >25 To 100 LF, Add	*6.20*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	80.21	2.14
		For Up To 25 LF, Add	*10.64*	
		For >25 To 100 LF, Add	*5.32*	
		For >1,000 LF, Deduct	*-0.66*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	93.25	2.56
		For Up To 25 LF, Add	*12.42*	
		For >25 To 100 LF, Add	*6.21*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	107.02	2.92
		For Up To 25 LF, Add	*14.23*	
		For >25 To 100 LF, Add	*7.11*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	46.61	2.98
		For Up To 25 LF, Add	*7.05*	
		For >25 To 100 LF, Add	*3.52*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	52.46	3.10
		For Up To 25 LF, Add	*7.73*	
		For >25 To 100 LF, Add	*3.86*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	56.19	3.22
		For Up To 25 LF, Add	*8.19*	
		For >25 To 100 LF, Add	*4.10*	
		For >1,000 LF, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	325.98	4.17
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	348.20	4.17
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	362.16	4.17
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	265.47	4.17
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	276.69	4.17
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	283.52	4.17
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	24.17	2.98
		For Up To 25 LF, Add	*4.80*	
		For >25 To 100 LF, Add	*2.40*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.28	3.10
		For Up To 25 LF, Add	*5.21*	
		For >25 To 100 LF, Add	*2.60*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.92	3.22
		For Up To 25 LF, Add	*5.46*	
		For >25 To 100 LF, Add	*2.73*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.36	2.98
		For Up To 25 LF, Add	*4.92*	
		For >25 To 100 LF, Add	*2.46*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.81	3.10
		For Up To 25 LF, Add	*5.36*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.64	3.22
		For Up To 25 LF, Add	*5.64*	
		For >25 To 100 LF, Add	*2.82*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	153.22	4.17
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	166.09	4.17
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	171.72	4.17
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	121.50	4.17
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	127.91	4.17
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	130.72	4.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.81	2.98
		For Up To 25 LF, Add	*5.17*	
		For >25 To 100 LF, Add	*2.58*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.49	3.10
		For Up To 25 LF, Add	*5.63*	
		For >25 To 100 LF, Add	*2.81*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.42	3.22
		For Up To 25 LF, Add	*5.91*	
		For >25 To 100 LF, Add	*2.96*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.24	2.98
		For Up To 25 LF, Add	*5.31*	
		For >25 To 100 LF, Add	*2.65*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.33	3.10
		For Up To 25 LF, Add	*5.81*	
		For >25 To 100 LF, Add	*2.91*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.48	3.22
		For Up To 25 LF, Add	*6.12*	
		For >25 To 100 LF, Add	*3.06*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	189.45	4.17
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	205.53	4.17
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	212.56	4.17
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	149.79	4.17
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	157.81	4.17
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	161.31	4.17
07 71 23		**Manufactured Gutters and Downspouts** *(07 71)*		
		Note: Includes all necessary support straps.		
07 71 23 00-0001		Aluminum Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0002		Aluminum Gutters *(07 71 23 00-0001)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		K-Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.64	5.22
		For Up To 100', Add	*2.46*	
		For >100' To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.86*	
		For Kynar 500® Finish, Add	*1.36*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	12.91	5.52
		For Up To 100', Add	*2.65*	
		For >100' To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.91*	
		For Kynar 500® Finish, Add	*1.74*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	12.08	5.22
		For Up To 100', Add	*2.50*	
		For >100' To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.86*	
		For Kynar 500® Finish, Add	*1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.47	5.52
		For Up To 100', Add	*2.70*	
		For >100' To 250', Add	*1.13*	
		For >1,000', Deduct	*-0.91*	
		For Kynar 500® Finish, Add	*1.99*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	24.02	5.80
		For Up To 100', Add	*3.86*	
		For >100' To 250', Add	*1.69*	
		For >1,000', Deduct	*-0.98*	
		For Kynar 500® Finish, Add	*6.42*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	26.34	6.50
		For Up To 100', Add	*4.25*	
		For >100' To 250', Add	*1.85*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*7.02*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	29.35	6.50
		For Up To 100', Add	*4.55*	
		For >100' To 250', Add	*2.00*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*8.37*	

07 71 23 00-0011 Half Round Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	20.36	5.22
		For Up To 100', Add	*3.33*	
		For >100' To 250', Add	*1.45*	
		For >1,000', Deduct	*-0.86*	
		For Kynar 500® Finish, Add	*5.28*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	24.34	5.52
		For Up To 100', Add	*3.79*	
		For >100' To 250', Add	*1.67*	
		For >1,000', Deduct	*-0.91*	
		For Kynar 500® Finish, Add	*6.88*	

07 71 23 00-0014 Box Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	21.64	6.50
		For Up To 100', Add	*3.78*	
		For >100' To 250', Add	*1.62*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*4.91*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	21.69	6.50
		For Up To 100', Add	*3.78*	
		For >100' To 250', Add	*1.62*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*4.93*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	25.10	6.93
		For Up To 100', Add	*4.23*	
		For >100' To 250', Add	*1.83*	
		For >1,000', Deduct	*-1.15*	
		For Kynar 500® Finish, Add	*6.14*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	28.22	7.35
		For Up To 100', Add	*4.64*	
		For >100' To 250', Add	*2.02*	
		For >1,000', Deduct	*-1.22*	
		For Kynar 500® Finish, Add	*7.23*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.87	
		For Kynar 500® Finish, Add	*0.47*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.72	
		For Kynar 500® Finish, Add	*0.86*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	9.92	
		For Kynar 500® Finish, Add	*3.20*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	11.51	
		For Kynar 500® Finish, Add	*3.91*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.05	
		For Kynar 500® Finish, Add	*1.45*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.21	
		For Kynar 500® Finish, Add	*2.88*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	10.79	
		For Kynar 500® Finish, Add	*3.59*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	11.70	
		For Kynar 500® Finish, Add	*4.00*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	13.69	
		For Kynar 500® Finish, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0032		**Aluminum Gutter Miters** *(07 71 23 00-0001)* Note: Inside or outside miters.		
07 71 23 00-0033		**K-Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	22.58	
		For Kynar 500® Finish, Add	*3.74*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	29.64	
		For Kynar 500® Finish, Add	*6.47*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	85.48	
		For Kynar 500® Finish, Add	*31.15*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	92.75	
		For Kynar 500® Finish, Add	*33.91*	
07 71 23 00-0038		**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	37.83	
		For Kynar 500® Finish, Add	*10.60*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	58.65	
		For Kynar 500® Finish, Add	*19.53*	
07 71 23 00-0041		**Box Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	69.50	
		For Kynar 500® Finish, Add	*24.41*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	102.79	
		For Kynar 500® Finish, Add	*38.94*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	111.59	
		For Kynar 500® Finish, Add	*42.39*	
07 71 23 00-0045		**Aluminum Gutter Wire Strainers** *(07 71 23 00-0001)*		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	16.91	3.53
		For Kynar 500® Finish, Add	*4.30*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.77*	
		For 0.031" Thick, Add	*4.01*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	24.95	3.53
		For Kynar 500® Finish, Add	*7.92*	
		For 0.024" Thick, Add	*2.46*	
		For 0.027" Thick, Add	*5.10*	
		For 0.031" Thick, Add	*7.39*	
07 71 23 00-0048		**Aluminum Downspouts** *(07 71 23 00-0001)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	7.81	3.39
		For Up To 100', Add	*1.33*	
		For >100 To 250', Add	*0.57*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*1.86*	
		For 0.024" Thick, Add	*0.58*	
		For 0.027" Thick, Add	*1.20*	
		For 0.031" Thick, Add	*1.74*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	8.78	3.39
		For Up To 100', Add	*1.43*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*2.30*	
		For 0.024" Thick, Add	*0.72*	
		For 0.027" Thick, Add	*1.48*	
		For 0.031" Thick, Add	*2.15*	
07 71 23 00-0052		**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.79	3.39
		For Up To 100', Add	*1.13*	
		For >100 To 250', Add	*0.47*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*0.95*	
		For 0.024" Thick, Add	*0.30*	
		For 0.027" Thick, Add	*0.61*	
		For 0.031" Thick, Add	*0.89*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.03	3.39
		For Up To 100', Add	*1.25*	
		For >100 To 250', Add	*0.54*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*1.51*	
		For 0.024" Thick, Add	*0.47*	
		For 0.027" Thick, Add	*0.97*	
		For 0.031" Thick, Add	*1.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	12.23	3.39
		For Up To 100', Add	*1.77*	
		For >100 To 250', Add	*0.80*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*3.85*	
		For 0.024" Thick, Add	*1.20*	
		For 0.027" Thick, Add	*2.48*	
		For 0.031" Thick, Add	*3.60*	

07 71 23 00-0056 Aluminum Devices *(07 71 23 00-0001)*

07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	265.62	26.71
		For Kynar 500® Finish, Add	*79.47*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	239.64	29.67
		For Kynar 500® Finish, Add	*81.14*	

07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0061 K-Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	19.92	4.94
		For Up To 100', Add	*3.22*	
		For >100' To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.82*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	27.67	5.22
		For Up To 100', Add	*4.06*	
		For >100' To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	32.78	5.52
		For Up To 100', Add	*4.64*	
		For >100' To 250', Add	*2.09*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	34.51	5.22
		For Up To 100', Add	*4.74*	
		For >100' To 250', Add	*2.16*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	42.47	5.52
		For Up To 100', Add	*5.60*	
		For >100' To 250', Add	*2.58*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	49.41	5.80
		For Up To 100', Add	*6.40*	
		For >100' To 250', Add	*2.96*	
		For >1,000', Deduct	*-0.98*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	54.91	6.50
		For Up To 100', Add	*7.10*	
		For >100' To 250', Add	*3.28*	
		For >1,000', Deduct	*-1.07*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	24.10	5.22
		For Up To 100', Add	*3.70*	
		For >100' To 250', Add	*1.64*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	30.12	5.52
		For Up To 100', Add	*4.37*	
		For >100' To 250', Add	*1.96*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	49.42	5.80
		For Up To 100', Add	*6.40*	
		For >100' To 250', Add	*2.96*	
		For >1,000', Deduct	*-0.98*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	27.84	5.22
		For Up To 100', Add	*4.08*	
		For >100' To 250', Add	*1.82*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	34.09	5.52
		For Up To 100', Add	*4.77*	
		For >100' To 250', Add	*2.16*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	51.84	5.80
		For Up To 100', Add	*6.65*	
		For >100' To 250', Add	*3.08*	
		For >1,000', Deduct	*-0.98*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	58.83	6.50
		For Up To 100', Add	*7.49*	
		For >100' To 250', Add	*3.48*	
		For >1,000', Deduct	*-1.07*	

07 71 23 00-0077 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0078 K-Style, Copper Gutter End Caps *(07 71 23 00-0077)*

07 71 23 00-0079	EA	4", K-Style Copper Gutter End Cap	6.86
07 71 23 00-0080	EA	5", K-Style Copper Gutter End Cap	7.31
07 71 23 00-0081	EA	6", K-Style Copper Gutter End Cap	7.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0082	EA	7", K-Style Copper Gutter End Cap	19.71	
07 71 23 00-0083	EA	8", K-Style Copper Gutter End Cap	23.91	

07 71 23 00-0084 Half Round, Copper Gutter End Caps *(07 71 23 00-0077)*

07 71 23 00-0085	EA	4", Half Round Copper Gutter End Cap	8.19	
07 71 23 00-0086	EA	5", Half Round Copper Gutter End Cap	9.13	
07 71 23 00-0087	EA	6", Half Round Copper Gutter End Cap	13.51	
07 71 23 00-0088	EA	7", Half Round Copper Gutter End Cap	39.56	
07 71 23 00-0089	EA	8", Half Round Copper Gutter End Cap	46.63	

07 71 23 00-0090 Copper Gutter Miters *(07 71 23 00-0059)*

Note: Inside or outside miters.

07 71 23 00-0091 K-Style, Copper Gutter Miters *(07 71 23 00-0090)*

07 71 23 00-0092	EA	4", K-Style Copper Gutter Miter	43.25	
07 71 23 00-0093	EA	5", K-Style Copper Gutter Miter	48.84	
07 71 23 00-0094	EA	6", K-Style Copper Gutter Miter	69.27	
07 71 23 00-0095	EA	7", K-Style Copper Gutter Miter	96.97	
07 71 23 00-0096	EA	8", K-Style Copper Gutter Miter	113.43	

07 71 23 00-0097 Half Round, Copper Gutter Miters *(07 71 23 00-0090)*

07 71 23 00-0098	EA	4", Half Round Copper Gutter Miter	66.08	
07 71 23 00-0099	EA	5", Half Round Copper Gutter Miter	61.49	
07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	87.57	
07 71 23 00-0101	EA	7", Half Round Copper Gutter Miter	104.07	
07 71 23 00-0102	EA	8", Half Round Copper Gutter Miter	122.63	

07 71 23 00-0103 Copper Gutter Wire Strainers *(07 71 23 00-0059)*

07 71 23 00-0104	EA	2" Diameter, Round Copper Wire Strainer	21.80	3.53
07 71 23 00-0105	EA	3" Diameter, Round Copper Wire Strainer	26.55	3.53
07 71 23 00-0106	EA	4" Diameter, Round Copper Wire Strainer	42.04	3.53
07 71 23 00-0107	EA	5" Diameter, Round Copper Wire Strainer	55.54	3.53
07 71 23 00-0108	EA	6" Diameter, Round Copper Wire Strainer	66.84	3.53

07 71 23 00-0109 Copper Downspouts *(07 71 23 00-0059)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0110 Round Copper Downspouts *(07 71 23 00-0109)*

07 71 23 00-0111	LF	2" Diameter, 16 Ounce, Round Copper Downspout	26.83	3.39
		For Up To 100', Add	*3.23*	
		For >100 To 250', Add	*1.53*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0112	LF	3" Diameter, 16 Ounce, Round Copper Downspout	18.92	3.39
		For Up To 100', Add	*2.44*	
		For >100 To 250', Add	*1.13*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0113	LF	4" Diameter, 16 Ounce, Round Copper Downspout	23.64	3.39
		For Up To 100', Add	*2.91*	
		For >100 To 250', Add	*1.37*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0114	LF	5" Diameter, 16 Ounce, Round Copper Downspout	37.32	3.39
		For Up To 100', Add	*4.28*	
		For >100 To 250', Add	*2.05*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0115	LF	6" Diameter, 16 Ounce, Round Copper Downspout	47.76	3.39
		For Up To 100', Add	*5.33*	
		For >100 To 250', Add	*2.57*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0116	LF	3" Diameter, 20 Ounce, Round Copper Downspout	25.32	3.39
		For Up To 100', Add	*3.08*	
		For >100 To 250', Add	*1.45*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0117	LF	4" Diameter, 20 Ounce, Round Copper Downspout	32.62	3.39
		For Up To 100', Add	*3.81*	
		For >100 To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0118	LF	5" Diameter, 20 Ounce, Round Copper Downspout	49.18	3.39
		For Up To 100', Add	*5.47*	
		For >100 To 250', Add	*2.64*	
		For >1,000', Deduct	*-0.37*	

07 71 23 00-0119 Square Copper Downspouts *(07 71 23 00-0109)*

07 71 23 00-0120	LF	3" Diameter, 16 Ounce, Square Copper Downspout	13.35	3.39
		For Up To 100', Add	*1.89*	
		For >100 To 250', Add	*0.85*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0121	LF	4" Diameter, 16 Ounce, Square Copper Downspout	16.48	3.39
		For Up To 100', Add	*2.20*	
		For >100 To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0122	LF	5" Diameter, 16 Ounce, Square Copper Downspout	23.26	3.39
		For Up To 100', Add	*2.88*	
		For >100 To 250', Add	*1.35*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0123	LF	3" Diameter, 20 Ounce, Square Copper Downspout	15.28	3.39
		For Up To 100', Add	*2.08*	
		For >100 To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0124	LF	4" Diameter, 20 Ounce, Square Copper Downspout	19.20	3.39
		For Up To 100', Add	*2.47*	
		For >100 To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0125	LF	5" Diameter, 20 Ounce, Square Copper Downspout	27.24	3.39
		For Up To 100', Add	*3.27*	
		For >100 To 250', Add	*1.55*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0126		**Rectangular Copper Downspouts** *(07 71 23 00-0109)*		
07 71 23 00-0127	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	19.41	3.39
		For Up To 100', Add	*2.49*	
		For >100 To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0128	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	24.34	3.39
		For Up To 100', Add	*2.98*	
		For >100 To 250', Add	*1.40*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0129	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	34.29	3.39
		For Up To 100', Add	*3.98*	
		For >100 To 250', Add	*1.90*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0130	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	22.47	3.39
		For Up To 100', Add	*2.80*	
		For >100 To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0131	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	28.59	3.39
		For Up To 100', Add	*3.41*	
		For >100 To 250', Add	*1.61*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0132	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	40.70	3.39
		For Up To 100', Add	*4.62*	
		For >100 To 250', Add	*2.22*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0133		**Copper Devices And Accessories** *(07 71 23 00-0059)*		
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet	220.80	26.71
07 71 23 00-0135	EA	Copper Leader/Conductor Head	310.24	29.67
07 71 23 00-0136	EA	Copper Eave Box	144.89	21.20
07 71 23 00-0137		**Galvanized Steel Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0138		**Galvanized Steel Gutters** *(07 71 23 00-0137)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139		**K-Style Galvanized Steel Gutters** *(07 71 23 00-0138)*		
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	15.11	5.22
		For Up To 100', Add	*2.80*	
		For >100' To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.86*	
		For Kynar 500® Finish, Add	*2.92*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.57*	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	17.52	5.52
		For Up To 100', Add	*3.11*	
		For >100' To 250', Add	*1.33*	
		For >1,000', Deduct	*-0.91*	
		For Kynar 500® Finish, Add	*3.81*	
		For 24 Gauge, Add	*2.37*	
		For 22 Gauge, Add	*4.66*	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	35.81	5.80
		For Up To 100', Add	*5.04*	
		For >100' To 250', Add	*2.28*	
		For >1,000', Deduct	*-0.98*	
		For Kynar 500® Finish, Add	*11.73*	
		For 24 Gauge, Add	*7.30*	
		For 22 Gauge, Add	*14.33*	
07 71 23 00-0143	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	37.79	6.50
		For Up To 100', Add	*5.39*	
		For >100' To 250', Add	*2.43*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*12.17*	
		For 24 Gauge, Add	*7.57*	
		For 22 Gauge, Add	*14.88*	
07 71 23 00-0144		**Half Round Galvanized Steel Gutters** *(07 71 23 00-0138)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	21.81	5.22
		For Up To 100', Add	*3.47*	
		For >100' To 250', Add	*1.52*	
		For >1,000', Deduct	*-0.86*	
		For Kynar 500® Finish, Add	*5.94*	
		For 24 Gauge, Add	*3.69*	
		For 22 Gauge, Add	*7.25*	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	27.39	5.52
		For Up To 100', Add	*4.10*	
		For >100' To 250', Add	*1.82*	
		For >1,000', Deduct	*-0.91*	
		For Kynar 500® Finish, Add	*8.25*	
		For 24 Gauge, Add	*5.14*	
		For 22 Gauge, Add	*10.09*	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	68.17	5.80
		For Up To 100', Add	*8.28*	
		For >100' To 250', Add	*3.90*	
		For >1,000', Deduct	*-0.98*	
		For Kynar 500® Finish, Add	*26.29*	
		For 24 Gauge, Add	*16.36*	
		For 22 Gauge, Add	*32.13*	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	72.75	6.50
		For Up To 100', Add	*8.89*	
		For >100' To 250', Add	*4.17*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*27.90*	
		For 24 Gauge, Add	*17.36*	
		For 22 Gauge, Add	*34.11*	

07 71 23 00-0149 Box Style Galvanized Steel Gutters *(07 71 23 00-0138)*

07 71 23 00-0150	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	26.07	5.94
		For Up To 100', Add	*4.09*	
		For >100' To 250', Add	*1.80*	
		For >1,000', Deduct	*-0.99*	
		For Kynar 500® Finish, Add	*7.28*	
		For 22 Gauge, Add	*3.56*	
07 71 23 00-0151	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	30.55	6.50
		For Up To 100', Add	*4.67*	
		For >100' To 250', Add	*2.06*	
		For >1,000', Deduct	*-1.07*	
		For Kynar 500® Finish, Add	*8.91*	
		For 22 Gauge, Add	*4.36*	
07 71 23 00-0152	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	38.39	5.80
		For Up To 100', Add	*5.30*	
		For >100' To 250', Add	*2.41*	
		For >1,000', Deduct	*-0.98*	
		For Kynar 500® Finish, Add	*12.89*	
		For 22 Gauge, Add	*6.30*	
07 71 23 00-0153	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	42.71	7.35
		For Up To 100', Add	*6.09*	
		For >100' To 250', Add	*2.74*	
		For >1,000', Deduct	*-1.22*	
		For Kynar 500® Finish, Add	*13.75*	
		For 22 Gauge, Add	*6.72*	

07 71 23 00-0154 Galvanized Steel Gutter End Caps *(07 71 23 00-0137)*

07 71 23 00-0155 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*

07 71 23 00-0156	EA	5", K-Style Galvanized Steel Gutter End Cap	6.71	
		For Kynar 500® Finish, Add	*1.75*	
07 71 23 00-0157	EA	6", K-Style Galvanized Steel Gutter End Cap	7.73	
		For Kynar 500® Finish, Add	*2.21*	
07 71 23 00-0158	EA	7", K-Style Galvanized Steel Gutter End Cap	16.81	
		For Kynar 500® Finish, Add	*6.30*	
07 71 23 00-0159	EA	8", K-Style Galvanized Steel Gutter End Cap	24.39	
		For Kynar 500® Finish, Add	*9.71*	

07 71 23 00-0160 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*

07 71 23 00-0161	EA	5", Half Round Galvanized Steel Gutter End Cap	8.63	
		For Kynar 500® Finish, Add	*2.61*	
07 71 23 00-0162	EA	6", Half Round Galvanized Steel Gutter End Cap	9.94	
		For Kynar 500® Finish, Add	*3.20*	
07 71 23 00-0163	EA	7", Half Round Galvanized Steel Gutter End Cap	18.54	
		For Kynar 500® Finish, Add	*7.07*	
07 71 23 00-0164	EA	8", Half Round Galvanized Steel Gutter End Cap	25.07	
		For Kynar 500® Finish, Add	*10.01*	

07 71 23 00-0165 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*

07 71 23 00-0166	EA	5", Box Style Galvanized Steel Gutter End Cap	15.50	
		For Kynar 500® Finish, Add	*5.71*	
07 71 23 00-0167	EA	6", Box Style Galvanized Steel Gutter End Cap	18.67	
		For Kynar 500® Finish, Add	*7.13*	
07 71 23 00-0168	EA	7", Box Style Galvanized Steel Gutter End Cap	20.92	
		For Kynar 500® Finish, Add	*8.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0169	EA	8", Box Style Galvanized Steel Gutter End Cap	28.04	
		For Kynar 500® Finish, Add	*11.35*	

07 71 23 00-0170 Galvanized Steel Gutter Miters *(07 71 23 00-0137)*

Note: Inside or outside miters.

07 71 23 00-0171 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*

07 71 23 00-0172	EA	5", K-Style Galvanized Steel Gutter Miter	40.61	
		For Kynar 500® Finish, Add	*11.85*	
07 71 23 00-0173	EA	6", K-Style Galvanized Steel Gutter Miter	65.67	
		For Kynar 500® Finish, Add	*22.68*	
07 71 23 00-0174	EA	7", K-Style Galvanized Steel Gutter Miter	104.91	
		For Kynar 500® Finish, Add	*39.89*	
07 71 23 00-0175	EA	8", K-Style Galvanized Steel Gutter Miter	117.90	
		For Kynar 500® Finish, Add	*45.23*	

07 71 23 00-0176 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*

07 71 23 00-0177	EA	5", Half Round Galvanized Steel Gutter Miter	55.51	
		For Kynar 500® Finish, Add	*18.56*	
07 71 23 00-0178	EA	6", Half Round Galvanized Steel Gutter Miter	62.37	
		For Kynar 500® Finish, Add	*21.20*	
07 71 23 00-0179	EA	7", Half Round Galvanized Steel Gutter Miter	176.47	
		For Kynar 500® Finish, Add	*72.09*	
07 71 23 00-0180	EA	8", Half Round Galvanized Steel Gutter Miter	186.50	
		For Kynar 500® Finish, Add	*76.10*	

07 71 23 00-0181 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*

07 71 23 00-0182	EA	5", Box Style Galvanized Steel Gutter Miter	52.53	
		For Kynar 500® Finish, Add	*17.22*	
07 71 23 00-0183	EA	6", Box Style Galvanized Steel Gutter Miter	85.38	
		For Kynar 500® Finish, Add	*31.55*	
07 71 23 00-0184	EA	7", Box Style Galvanized Steel Gutter Miter	110.84	
		For Kynar 500® Finish, Add	*42.56*	
07 71 23 00-0185	EA	8", Box Style Galvanized Steel Gutter Miter	117.90	
		For Kynar 500® Finish, Add	*45.23*	

07 71 23 00-0186 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0137)*

07 71 23 00-0187	EA	3" Diameter, Round Galvanized Steel Wire Strainer	14.96	3.53
		For Kynar 500® Finish, Add	*3.42*	
07 71 23 00-0188	EA	4" Diameter, Round Galvanized Steel Wire Strainer	21.44	3.53
		For Kynar 500® Finish, Add	*6.34*	

07 71 23 00-0189 Galvanized Steel Downspouts *(07 71 23 00-0137)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0190 Round Galvanized Steel Downspouts *(07 71 23 00-0189)*

07 71 23 00-0191	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.41	3.39
		For Up To 100', Add	*1.39*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*2.13*	
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*2.61*	
07 71 23 00-0192	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	10.43	3.39
		For Up To 100', Add	*1.59*	
		For >100 To 250', Add	*0.71*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*3.04*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.72*	
07 71 23 00-0193	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	14.18	3.39
		For Up To 100', Add	*1.97*	
		For >100 To 250', Add	*0.89*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*4.73*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.78*	
07 71 23 00-0194	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	31.50	3.39
		For Up To 100', Add	*3.70*	
		For >100 To 250', Add	*1.76*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*12.52*	
		For 24 Gauge, Add	*7.79*	
		For 22 Gauge, Add	*15.31*	

07 71 23 00-0195 Square Galvanized Steel Downspouts *(07 71 23 00-0189)*

07 71 23 00-0196	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.54	3.39
		For Up To 100', Add	*1.50*	
		For >100 To 250', Add	*0.66*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*2.64*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0197	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.21	3.39
		For Up To 100', Add	*1.77*	
		For >100 To 250', Add	*0.79*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*3.84*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*4.70*	

07 71 23 00-0198 Rectangular Galvanized Steel Downspouts *(07 71 23 00-0189)*

07 71 23 00-0199	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.56	3.39
		For Up To 100', Add	*1.41*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*2.20*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.69*	
07 71 23 00-0200	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	10.90	3.39
		For Up To 100', Add	*1.64*	
		For >100 To 250', Add	*0.73*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*3.25*	
		For 24 Gauge, Add	*2.02*	
		For 22 Gauge, Add	*3.98*	
07 71 23 00-0201	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	20.20	3.39
		For Up To 100', Add	*2.57*	
		For >100 To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.37*	
		For Kynar 500® Finish, Add	*7.44*	
		For 24 Gauge, Add	*4.63*	
		For 22 Gauge, Add	*9.09*	

07 71 23 00-0202 Galvanized Steel Devices *(07 71 23 00-0137)*

07 71 23 00-0203	EA	Galvanized Steel Leader/Conductor Head	362.01	29.67
		For Kynar 500® Finish, Add	*136.20*	
07 71 23 00-0204	EA	Thru-Wall Galvanized Steel Scupper Outlet	170.46	26.71
		For Kynar 500® Finish, Add	*36.65*	

07 71 23 00-0205 Stainless Steel Gutters And Downspouts *(07 71 23)*

Note: AISI type 304 stainless steel.

07 71 23 00-0206 Stainless Steel Gutters *(07 71 23 00-0205)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0207 K-Style, Stainless Steel Gutters *(07 71 23 00-0206)*

07 71 23 00-0208	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	31.39	5.22
		For Up To 100', Add	*4.43*	
		For >100' To 250', Add	*2.00*	
		For >1,000', Deduct	*-0.86*	
		For 316 Stainless Steel, Add	*8.65*	
		For 24 Gauge, Add	*7.51*	
		For 22 Gauge, Add	*15.03*	
		For 20 Gauge, Add	*22.54*	
07 71 23 00-0209	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	37.52	5.52
		For Up To 100', Add	*5.11*	
		For >100' To 250', Add	*2.33*	
		For >1,000', Deduct	*-0.91*	
		For 316 Stainless Steel, Add	*10.82*	
		For 24 Gauge, Add	*9.40*	
		For 22 Gauge, Add	*18.79*	
		For 20 Gauge, Add	*28.19*	

07 71 23 00-0210 Half Round, Stainless Steel Gutters *(07 71 23 00-0206)*

07 71 23 00-0211	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	43.10	5.22
		For Up To 100', Add	*5.60*	
		For >100' To 250', Add	*2.59*	
		For >1,000', Deduct	*-0.86*	
		For 316 Stainless Steel, Add	*13.10*	
		For 24 Gauge, Add	*11.38*	
		For 22 Gauge, Add	*22.76*	
		For 20 Gauge, Add	*34.14*	
07 71 23 00-0212	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	52.08	5.52
		For Up To 100', Add	*6.57*	
		For >100' To 250', Add	*3.06*	
		For >1,000', Deduct	*-0.91*	
		For 316 Stainless Steel, Add	*16.35*	
		For 24 Gauge, Add	*14.20*	
		For 22 Gauge, Add	*28.40*	
		For 20 Gauge, Add	*42.60*	

07 71 23 00-0213 Box Style, Stainless Steel Gutters *(07 71 23 00-0206)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0214	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	42.36	5.94
		For Up To 100', Add	*5.72*	
		For >100' To 250', Add	*2.61*	
		For >1,000', Deduct	*-0.99*	
		For 316 Stainless Steel, Add	*12.34*	
		For 24 Gauge, Add	*10.72*	
		For 22 Gauge, Add	*21.43*	
		For 20 Gauge, Add	*32.15*	
		For Seamless Gutter, Add	*-0.14*	
07 71 23 00-0215	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	51.53	6.50
		For Up To 100', Add	*6.76*	
		For >100' To 250', Add	*3.11*	
		For >1,000', Deduct	*-1.07*	
		For 316 Stainless Steel, Add	*15.50*	
		For 24 Gauge, Add	*13.46*	
		For 22 Gauge, Add	*26.92*	
		For 20 Gauge, Add	*40.38*	
		For Seamless Gutter, Add	*-0.43*	
07 71 23 00-0216	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	60.75	6.93
		For Up To 100', Add	*7.79*	
		For >100' To 250', Add	*3.61*	
		For >1,000', Deduct	*-1.15*	
		For 316 Stainless Steel, Add	*18.73*	
		For 24 Gauge, Add	*16.27*	
		For 22 Gauge, Add	*32.54*	
		For 20 Gauge, Add	*48.81*	
		For Seamless Gutter, Add	*-0.75*	
07 71 23 00-0217	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	66.01	7.35
		For Up To 100', Add	*8.42*	
		For >100' To 250', Add	*3.91*	
		For >1,000', Deduct	*-1.22*	
		For 316 Stainless Steel, Add	*20.47*	
		For 24 Gauge, Add	*17.77*	
		For 22 Gauge, Add	*35.55*	
		For 20 Gauge, Add	*53.32*	
		For Seamless Gutter, Add	*-0.87*	

07 71 23 00-0218 Stainless Steel Gutter End Caps *(07 71 23 00-0205)*

07 71 23 00-0219 K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0218)*

07 71 23 00-0220	EA	5", K-Style Stainless Steel Gutter End Cap	9.94	
		For 316 Stainless Steel, Add	*2.71*	
07 71 23 00-0221	EA	6", K-Style Stainless Steel Gutter End Cap	11.37	
		For 316 Stainless Steel, Add	*3.25*	

07 71 23 00-0222 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0218)*

07 71 23 00-0223	EA	5", Half Round Stainless Steel Gutter End Cap	11.72	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0224	EA	6", Half Round Stainless Steel Gutter End Cap	13.50	
		For 316 Stainless Steel, Add	*4.06*	

07 71 23 00-0225 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0218)*

07 71 23 00-0226	EA	5", Box Style Stainless Steel Gutter End Cap	12.43	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0227	EA	6", Box Style Stainless Steel Gutter End Cap	14.21	
		For 316 Stainless Steel, Add	*4.06*	
07 71 23 00-0228	EA	7", Box Style Stainless Steel Gutter End Cap	14.84	
		For 316 Stainless Steel, Add	*4.39*	
07 71 23 00-0229	EA	8", Box Style Stainless Steel Gutter End Cap	17.97	
		For 316 Stainless Steel, Add	*5.40*	

07 71 23 00-0230 Stainless Steel Gutter Miters *(07 71 23 00-0205)*

Note: Inside or outside box miters.

07 71 23 00-0231 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0230)*

07 71 23 00-0232	EA	5", K-Style Stainless Steel Gutter Miter	51.07	
		For 316 Stainless Steel, Add	*13.98*	
07 71 23 00-0233	EA	6", K-Style Stainless Steel Gutter Miter	80.55	
		For 316 Stainless Steel, Add	*24.81*	
07 71 23 00-0234	EA	7", K-Style Stainless Steel Gutter Miter	92.98	
		For 316 Stainless Steel, Add	*29.15*	

07 71 23 00-0235 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0230)*

07 71 23 00-0236	EA	5", Half Round Stainless Steel Gutter Miter	122.30	
		For 316 Stainless Steel, Add	*41.05*	
07 71 23 00-0237	EA	6", Half Round Stainless Steel Gutter Miter	149.36	
		For 316 Stainless Steel, Add	*50.96*	

07 71 23 00-0238 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0230)*

07 71 23 00-0239	EA	5", Box-Style Stainless Steel Gutter Miter	58.43	
		For 316 Stainless Steel, Add	*16.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0240	EA	6", Box-Style Stainless Steel Gutter Miter	93.61	
		For 316 Stainless Steel, Add	*29.77*	
07 71 23 00-0241	EA	7", Box-Style Stainless Steel Gutter Miter	107.67	
		For 316 Stainless Steel, Add	*34.74*	
07 71 23 00-0242	EA	8", Box-Style Stainless Steel Gutter Miter	121.86	
		For 316 Stainless Steel, Add	*39.70*	
07 71 23 00-0243		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0205)*		
07 71 23 00-0244	EA	3" Diameter, Round Stainless Steel Wire Strainer	48.26	3.53
07 71 23 00-0245	EA	4" Diameter, Round Stainless Steel Wire Strainer	49.38	3.53
07 71 23 00-0246		**Stainless Steel Downspouts** *(07 71 23 00-0205)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0247		**Round Stainless Steel Downspouts** *(07 71 23 00-0246)*		
07 71 23 00-0248	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	18.38	3.39
		For Up To 100', Add	*2.39*	
		For >100 To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*5.59*	
		For 24 Gauge, Add	*4.85*	
		For 22 Gauge, Add	*9.71*	
		For 20 Gauge, Add	*14.56*	
07 71 23 00-0249	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	24.09	3.39
		For Up To 100', Add	*2.96*	
		For >100 To 250', Add	*1.39*	
		For >1,000', Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*7.76*	
		For 24 Gauge, Add	*6.74*	
		For 22 Gauge, Add	*13.48*	
		For 20 Gauge, Add	*20.22*	
07 71 23 00-0250	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	34.87	3.39
		For Up To 100', Add	*4.04*	
		For >100 To 250', Add	*1.93*	
		For >1,000', Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*11.86*	
		For 24 Gauge, Add	*10.30*	
		For 22 Gauge, Add	*20.59*	
		For 20 Gauge, Add	*30.89*	
07 71 23 00-0251		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0246)*		
07 71 23 00-0252	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	18.80	3.39
		For Up To 100', Add	*2.43*	
		For >100 To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*5.75*	
		For 24 Gauge, Add	*4.99*	
		For 22 Gauge, Add	*9.99*	
		For 20 Gauge, Add	*14.98*	
07 71 23 00-0253	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	24.94	3.39
		For Up To 100', Add	*3.04*	
		For >100 To 250', Add	*1.43*	
		For >1,000', Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*8.08*	
		For 24 Gauge, Add	*7.02*	
		For 22 Gauge, Add	*14.04*	
		For 20 Gauge, Add	*21.06*	
07 71 23 00-0254	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	32.13	3.39
		For Up To 100', Add	*3.76*	
		For >100 To 250', Add	*1.79*	
		For >1,000', Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*10.81*	
		For 24 Gauge, Add	*9.39*	
		For 22 Gauge, Add	*18.78*	
		For 20 Gauge, Add	*28.18*	
07 71 23 00-0255		**Stainless Steel Devices** *(07 71 23 00-0205)*		
07 71 23 00-0256	EA	Thru-Wall Stainless Steel Scupper Outlet	286.01	31.80
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0257	EA	Stainless Steel Leader/Conductor Head	494.40	31.80
		For 316 Stainless Steel, Add	*161.02*	
07 71 23 00-0258		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0259		**Vinyl Gutters** *(07 71 23 00-0258)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0260		**K-Style Vinyl Gutters** *(07 71 23 00-0259)*		
07 71 23 00-0261	LF	4", K-Style Vinyl Gutter	12.76	3.53
		For Up To 100', Add	*2.16*	
		For >100' To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0262	LF	5", K-Style Vinyl Gutter	16.30	3.53
		For Up To 100', Add	*2.51*	
		For >100' To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.59*	
07 71 23 00-0263		**Half Round Vinyl Gutters** *(07 71 23 00-0259)*		
07 71 23 00-0264	LF	4", Half Round Vinyl Gutter	13.16	3.53
		For Up To 100', Add	*2.20*	
		For >100' To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.59*	
07 71 23 00-0265	LF	5", Half Round Vinyl Gutter	13.81	3.53
		For Up To 100', Add	*2.26*	
		For >100' To 250', Add	*0.99*	
		For >1,000', Deduct	*-0.59*	
07 71 23 00-0266		**Vinyl Gutter End Caps** *(07 71 23 00-0258)*		
07 71 23 00-0267		**K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0266)*		
07 71 23 00-0268	EA	4", K-Style Vinyl Gutter End Cap	7.80	
07 71 23 00-0269	EA	5", K-Style Vinyl Gutter End Cap	10.74	
07 71 23 00-0270		**Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0266)*		
07 71 23 00-0271	EA	4", Half Round Vinyl Gutter End Cap	8.88	
07 71 23 00-0272	EA	5", Half Round Vinyl Gutter End Cap	8.40	
07 71 23 00-0273		**Vinyl Gutter Miters** *(07 71 23 00-0258)*		
		Note: Inside or outside miters.		
07 71 23 00-0274		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0273)*		
07 71 23 00-0275	EA	4", K-Style Vinyl Gutter Miter	19.26	
07 71 23 00-0276	EA	5", K-Style Vinyl Gutter Miter	28.74	
07 71 23 00-0277		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0273)*		
07 71 23 00-0278	EA	4", Half Round Vinyl Gutter Miter	19.26	
07 71 23 00-0279	EA	5", Half Round Vinyl Gutter Miter	20.89	
07 71 23 00-0280		**Vinyl Downspouts** *(07 71 23 00-0258)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0281		**Round Vinyl Downspouts** *(07 71 23 00-0280)*		
07 71 23 00-0282	LF	2-1/2" Diameter, Round Vinyl Downspout	8.36	3.39
		For Up To 100', Add	*1.39*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0283	LF	3" Diameter, Round Vinyl Downspout	8.70	3.39
		For Up To 100', Add	*1.42*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0284		**Square Vinyl Downspouts** *(07 71 23 00-0280)*		
07 71 23 00-0285	LF	2-1/2", Square Vinyl Downspout	8.22	3.39
		For Up To 100', Add	*1.37*	
		For >100 To 250', Add	*0.59*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0286		**Rectangular Vinyl Downspouts** *(07 71 23 00-0280)*		
07 71 23 00-0287	LF	2" x 3", Rectangular Vinyl Downspout	10.43	3.39
		For Up To 100', Add	*1.59*	
		For >100 To 250', Add	*0.71*	
		For >1,000', Deduct	*-0.37*	
07 71 23 00-0288		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0289		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0288)*		
07 71 23 00-0290	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	348.53	5.08
07 71 23 00-0291	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	454.38	5.08
07 71 23 00-0292	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	542.40	5.08
07 71 23 00-0293		**Leaf Guards And Cleaning** *(07 71 23)*		
07 71 23 00-0294	LF	Aluminum Mesh Gutter Leaf Guard	4.40	1.13
		For Up To 100', Add	*0.78*	
		For >100' To 250', Add	*0.33*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0295	LF	Vinyl Mesh Gutter Leaf Guard	3.48	1.13
		For Up To 100', Add	*0.69*	
		For >100' To 250', Add	*0.29*	
		For >1,000', Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0296	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.34	1.41
		For Up To 100', Add	*2.16*	
		For >100' To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.29*	
07 71 23 00-0297	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.61	1.41
		For Up To 100', Add	*2.89*	
		For >100' To 250', Add	*1.37*	
		For >1,000', Deduct	*-0.29*	
07 71 23 00-0298	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.21	1.41
		For Up To 100', Add	*1.66*	
		For >100' To 250', Add	*0.77*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0299	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	20.18	1.41
		For Up To 100', Add	*2.36*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0300	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	163.59	
07 71 23 00-0301	LF	Cleanout Roof Gutters And Downspouts	1.89	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.34	5.30
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.52	5.30
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.84	5.30
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.07	5.30
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.76	5.30
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.56	5.30

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	20.37	5.30
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	20.64	5.30
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.10	5.30
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.87	5.30
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.88	5.30
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	25.05	5.30

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	14.42	5.30
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.03	5.30
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.63	5.30
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.07	5.30
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.04	5.30
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.45	5.30

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.04	5.30
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.43	5.30
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.81	5.30
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.09	5.30
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.71	5.30
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.61	5.30

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.14	5.30
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.70	5.30
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.26	5.30
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.66	5.30
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.56	5.30
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.87	5.30

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	20.35	5.30
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	21.65	5.30
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.08	5.30

07 71 26 00-0044 Copper Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0045 Copper Counter Flashing With Reglet *(07 71 26 00-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	49.72	5.30

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,005.79	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,021.35	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,109.15	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,168.78	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,212.86	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,469.21	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,026.53	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,111.74	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,145.45	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.41	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,427.72	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,562.19	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*268.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,231.01	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,344.75	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,373.27	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,507.74	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,618.88	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,750.76	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*298.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,373.27	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,479.22	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,616.28	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,642.21	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,779.29	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,039.50	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,047.28	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,135.07	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,202.49	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,251.75	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,500.32	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,049.87	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,181.75	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,233.60	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,293.24	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,469.21	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,614.05	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,262.13	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,370.68	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,412.16	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,549.23	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,668.14	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,807.81	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*309.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,412.16	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,520.71	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,660.36	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,694.07	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*290.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,836.33	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*315.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,057.65	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,065.43	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,148.04	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,223.23	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,280.28	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,536.62	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,065.43	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,148.04	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,280.28	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,342.51	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,500.32	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,647.76	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,282.87	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,311.44	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,438.09	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,580.34	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,699.26	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*291.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,844.11	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,438.09	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,549.23	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,694.07	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*290.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,727.78	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,875.22	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*323.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	
07 72 13 00-0076		14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	977.27	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,010.97	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,155.82	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,233.60	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,290.65	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,578.11	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,073.20	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,176.56	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,202.49	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,225.83	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,515.88	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,665.91	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,293.24	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,409.57	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,451.06	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,595.90	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,714.81	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,862.26	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*320.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,451.06	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,562.19	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*268.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,709.63	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*293.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,745.93	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,895.97	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*327.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,000.60	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,039.50	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,194.71	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,280.28	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,350.28	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,588.48	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,106.91	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,218.05	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,251.75	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,282.87	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,578.11	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,741.10	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,339.91	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,461.43	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,510.69	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,658.13	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,787.42	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*309.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,945.23	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*337.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,510.69	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,629.61	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*281.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,782.23	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,821.12	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,984.13	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*344.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,018.75	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,060.24	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,218.05	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,311.39	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,389.18	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,671.45	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.84	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,262.13	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,308.80	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,319.17	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,624.78	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,792.96	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*314.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,371.03	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,393.32	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,549.59	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,704.80	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,834.09	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,002.28	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*148.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*348.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,549.59	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,676.28	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*291.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,826.31	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*317.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,872.98	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*326.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,041.17	416.12
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*152.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*356.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	961.18	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.23*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,103.68	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.73*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,262.95	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.58*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,376.73	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.34*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,522.93	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.57*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,169.84	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.96*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,363.24	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.64*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,448.71	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.73*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,521.42	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*268.27*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,703.23	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*300.63*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,673.19	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*223.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*490.63*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,512.65	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.52*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,710.40	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*310.07*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,025.26	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*166.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*369.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0167		**Wood, Prefabricated Roof Curbs** *(07 72 13)*		
		Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168		**Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0167)*		
07 72 13 00-0169		**2 x 6 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	819.44	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*131.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	912.74	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	970.28	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	963.64	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	979.13	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,096.78	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	974.71	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,116.70	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,276.74	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,076.86	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,183.44	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,321.00	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0182		**2 x 8 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	832.72	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	928.23	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,012.33	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	990.20	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,012.33	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,129.98	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	999.05	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,147.68	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,307.72	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,101.21	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,212.21	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,351.98	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	841.57	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	943.72	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,016.75	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,005.69	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,032.24	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,152.11	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,014.54	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,167.60	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,327.64	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,116.70	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,229.91	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,374.11	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	852.64	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	952.57	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,036.67	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,054.37	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,176.45	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,034.46	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,189.73	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,354.19	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,247.62	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	837.15	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*135.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	928.23	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	999.05	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	983.56	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,003.47	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,123.34	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	994.62	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,141.04	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,301.08	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,103.42	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,207.78	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,351.98	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	852.64	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	945.94	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,025.60	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,010.11	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,038.88	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,163.17	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,025.60	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,178.66	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,343.13	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,132.19	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,240.98	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,389.60	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	865.92	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*141.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	963.64	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,052.16	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,030.03	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,065.44	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,191.94	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,045.52	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,203.01	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,369.68	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,154.32	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,265.32	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,418.37	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	892.47	256.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	976.92	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,072.08	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,087.57	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,276.04	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,109.70	288.08
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,280.46	320.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,458.20	384.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,347.20	352.10
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	195.31	39.49
		For Curb Or Flange Base, Add	*218.06*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	234.49	43.72
		For Curb Or Flange Base, Add	*239.69*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	253.06	52.18
		For Curb Or Flange Base, Add	*266.84*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	486.68	57.82
		For Curb Or Flange Base, Add	*428.48*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	670.58	64.87
		For Curb Or Flange Base, Add	*464.18*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	809.21	70.51
		For Curb Or Flange Base, Add	*503.85*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,033.87	78.98
		For Curb Or Flange Base, Add	*616.84*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,708.45	105.76
		For Curb Or Flange Base, Add	*1,010.90*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	168.19	39.49
		For Curb Or Flange Base, Add	*206.19*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	208.73	43.72
		For Curb Or Flange Base, Add	*227.43*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	234.47	52.18
		For Curb Or Flange Base, Add	*253.80*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	410.43	57.82
		For Curb Or Flange Base, Add	*421.60*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	527.68	64.87
		For Curb Or Flange Base, Add	*451.66*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	665.13	70.51
		For Curb Or Flange Base, Add	*507.67*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	895.08	78.98
		For Curb Or Flange Base, Add	*611.06*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,330.92	105.76
		For Curb Or Flange Base, Add	*913.76*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	164.82	39.49
		For Curb Or Flange Base, Add	*218.06*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	217.05	43.72
		For Curb Or Flange Base, Add	*239.69*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	238.76	52.18
		For Curb Or Flange Base, Add	*266.84*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	408.42	57.82
		For Curb Or Flange Base, Add	*428.48*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	472.52	64.87
		For Curb Or Flange Base, Add	*464.18*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	669.24	70.51
		For Curb Or Flange Base, Add	*503.85*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	871.65	78.98
		For Curb Or Flange Base, Add	*616.84*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,263.43	105.76
		For Curb Or Flange Base, Add	*1,010.90*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	161.98	39.49
		For Curb Or Flange Base, Add	*206.19*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	212.44	43.72
		For Curb Or Flange Base, Add	*227.43*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	237.59	52.18
		For Curb Or Flange Base, Add	*253.80*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	381.20	57.82
		For Curb Or Flange Base, Add	*421.60*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	478.02	64.87
		For Curb Or Flange Base, Add	*451.66*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	584.41	70.51
		For Curb Or Flange Base, Add	*507.67*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	833.02	78.98
		For Curb Or Flange Base, Add	*611.06*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,251.59	105.76
		For Curb Or Flange Base, Add	*913.76*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	335.86	63.46
		For Backdraft Damper, Add	*168.58*	
		For Curb Base, Add	*257.47*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	412.28	70.51
		For Backdraft Damper, Add	*184.44*	
		For Curb Base, Add	*281.72*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	467.37	84.62
		For Backdraft Damper, Add	*251.87*	
		For Curb Base, Add	*356.71*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	567.85	93.07
		For Backdraft Damper, Add	*287.57*	
		For Curb Base, Add	*412.81*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,485.43	126.92
		For Backdraft Damper, Add	*360.95*	
		For Curb Base, Add	*543.98*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,812.43	146.66
		For Backdraft Damper, Add	*426.40*	
		For Curb Base, Add	*649.75*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,463.81	169.22
		For Backdraft Damper, Add	*426.40*	
		For Curb Base, Add	*677.71*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,453.01	183.33
		For Backdraft Damper, Add	*446.23*	
		For Curb Base, Add	*703.12*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	4,955.86	197.43
		For Backdraft Damper, Add	*495.81*	
		For Curb Base, Add	*790.00*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	686.76	70.51
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	803.34	93.07
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,158.20	126.92
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,808.24	146.66

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	16.66	4.09
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	64.73	25.43
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	60.16	25.43

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	15.41	4.38

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	12.31	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	11.20	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,545.84	188.80
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,263.44	209.78
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,990.59	286.09
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,229.98	209.78
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,516.29	233.11
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,123.78	317.95

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,325.33	188.80
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,707.71	209.78
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	3,064.10	286.09
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,666.44	209.78
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,915.60	233.11
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,225.83	317.95
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,856.30	209.78

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,482.94	188.80
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	2,002.17	209.78
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,742.76	286.09
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,858.55	209.78
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,276.65	233.11
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	3,093.35	317.95

07 72 33 00-0023 Stainless Steel *(07 72 33)*

07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,111.95	188.80
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,921.58	209.78
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,898.24	286.09
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,758.20	209.78
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	10,013.09	233.11
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,226.18	317.95

07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch *(07 72 33)*

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch, All Types	580.72	

07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb *(07 72 33)*

07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,286.29	209.78
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,668.67	233.11
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,962.59	317.82
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,635.21	216.34
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,829.70	239.68

07 72 33 00-0038 Security Roof Scuttles *(07 72 33)*

Note: Lock not included.

07 72 33 00-0039	EA	36" x 30" Bilco Security Roof Scuttle	6,061.01	209.78
07 72 33 00-0040	EA	36" x 30" Bilco Security Roof Scuttle and 8" x 8" View Window Note: Bilco S-20c.	7,517.87	209.78

07 72 33 00-0041 Roof Hatch Accessories *(07 72 33)*

07 72 33 00-0042	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	961.21	98.33

07 72 33 00-0043 Roof Hatch Safety Railing *(07 72 33)*

Note: Included mounting bracket to attach to roof hatch

07 72 33 00-0044	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,157.67	
07 72 33 00-0045	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,240.59	
07 72 33 00-0046	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,295.41	
07 72 33 00-0047	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,495.55	
07 72 33 00-0048	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,726.80	
07 72 33 00-0049	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,474.00	

07 72 36 Smoke Vents *(07 72)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0001		**Smoke Vent** *(07 72 36)*		
07 72 36 00-0002	EA	48" x 48" Aluminum Smoke Vent	3,480.97	131.11
07 72 36 00-0003	EA	48" x 48" Galvanized Steel Smoke Vent	1,819.59	131.11
07 72 36 00-0004	EA	48" x 96" Aluminum Heat/Smoke Vent	10,306.71	175.04
07 72 36 00-0005	EA	48" x 96" Galvanized Steel Heat/Smoke Vent	5,043.78	175.04
07 72 36 00-0006	EA	60" x 96" Aluminum Heat/Smoke Vent	12,554.20	218.57
07 72 36 00-0007	EA	60" x 96" Galvanized Steel Heat/Smoke Vent	6,289.41	218.57
07 72 36 00-0008		**Fire Vent** *(07 72 36)*		
07 72 36 00-0009		**Galvanized Steel Covers And Curb** *(07 72 36 00-0008)*		
07 72 36 00-0010	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,000.54	174.91
07 72 36 00-0011	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,602.11	240.46
07 72 36 00-0012	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,245.96	262.36
07 72 36 00-0013	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,349.50	275.47
07 72 36 00-0014	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,207.66	240.46
07 72 36 00-0015	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,599.90	262.36
07 72 36 00-0016	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,968.14	284.25
07 72 36 00-0017	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,935.49	306.15
07 72 36 00-0018	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,849.41	327.91
07 72 36 00-0019	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,596.70	284.25
07 72 36 00-0020	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	13,884.11	349.81
07 72 36 00-0021	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,602.48	371.70
07 72 36 00-0022		**Aluminum Covers And Galvanized Steel Curb** *(07 72 36 00-0008)*		
07 72 36 00-0023	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,792.14	174.91
07 72 36 00-0024	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,210.62	240.46
07 72 36 00-0025	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,610.39	262.36
07 72 36 00-0026	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,739.38	275.47
07 72 36 00-0027	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,624.46	240.46
07 72 36 00-0028	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,617.67	262.36
07 72 36 00-0029	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,939.33	284.25
07 72 36 00-0030	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,815.94	306.15
07 72 36 00-0031	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,738.34	327.91
07 72 36 00-0032	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,666.03	284.25
07 72 36 00-0033	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,816.93	349.81
07 72 36 00-0034	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,601.94	371.70
07 72 36 00-0035		**Aluminum Covers And Curb** *(07 72 36 00-0008)*		
07 72 36 00-0036	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,042.00	174.91
07 72 36 00-0037	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,624.46	240.46
07 72 36 00-0038	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,977.38	262.36
07 72 36 00-0039	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	4,207.88	275.47
07 72 36 00-0040	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,811.86	240.46
07 72 36 00-0041	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,812.88	262.36
07 72 36 00-0042	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,111.11	284.25
07 72 36 00-0043	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,284.44	306.15
07 72 36 00-0044	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,402.58	327.91
07 72 36 00-0045	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,884.67	284.25
07 72 36 00-0046	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,621.19	349.81
07 72 36 00-0047	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,070.44	371.70

07 72 38 Roof Dormers *(07 72)*

07 72 38 13 Roof Dormer Vent *(07 72 38)*

07 72 38 13-0001 Copper Roof Dormer Vent *(07 72 38 13)*

Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.

07 72 38 13-0002 Half Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	468.50	80.56
07 72 38 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	583.26	80.56
07 72 38 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	713.42	80.56
07 72 38 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	811.04	80.56
07 72 38 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	927.51	80.56
07 72 38 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,040.55	80.56
07 72 38 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,155.30	80.56
07 72 38 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,270.05	80.56
07 72 38 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,384.80	80.56
07 72 38 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,497.84	80.56
07 72 38 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,612.59	80.56
07 72 38 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,727.34	80.56
07 72 38 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	838.45	80.56
07 72 38 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	953.20	80.56
07 72 38 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,083.36	80.56
07 72 38 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,180.99	80.56
07 72 38 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,297.45	80.56
07 72 38 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,410.49	80.56
07 72 38 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,525.24	80.56
07 72 38 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,639.99	80.56
07 72 38 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,754.74	80.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,867.78	80.56
07 72 38 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,982.53	80.56
07 72 38 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,097.28	80.56
07 72 38 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	553.52	97.51
07 72 38 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	668.27	97.51
07 72 38 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	798.44	97.51
07 72 38 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	896.06	97.51
07 72 38 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,012.53	97.51
07 72 38 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,125.57	97.51
07 72 38 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,240.32	97.51
07 72 38 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,355.07	97.51
07 72 38 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,469.82	97.51
07 72 38 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,582.86	97.51
07 72 38 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,697.61	97.51
07 72 38 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,812.36	97.51
07 72 38 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	923.47	97.51
07 72 38 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,038.22	97.51
07 72 38 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,168.38	97.51
07 72 38 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,266.01	97.51
07 72 38 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,382.47	97.51
07 72 38 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,495.51	97.51
07 72 38 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,610.26	97.51
07 72 38 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,725.01	97.51
07 72 38 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,839.76	97.51
07 72 38 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,952.80	97.51
07 72 38 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,067.55	97.51
07 72 38 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,182.30	97.51
07 72 38 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	643.64	108.81
07 72 38 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	758.39	108.81
07 72 38 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	888.55	108.81
07 72 38 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	986.18	108.81
07 72 38 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,102.64	108.81
07 72 38 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,215.68	108.81
07 72 38 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,330.43	108.81
07 72 38 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,445.18	108.81
07 72 38 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,559.93	108.81
07 72 38 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,672.97	108.81
07 72 38 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,787.72	108.81
07 72 38 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,902.47	108.81
07 72 38 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,013.58	108.81
07 72 38 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,128.33	108.81
07 72 38 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,258.50	108.81
07 72 38 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,356.12	108.81
07 72 38 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,472.59	108.81
07 72 38 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,585.62	108.81
07 72 38 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,700.37	108.81
07 72 38 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,815.13	108.81
07 72 38 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,929.88	108.81
07 72 38 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,042.91	108.81
07 72 38 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,157.67	108.81
07 72 38 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,272.42	108.81
07 72 38 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	750.65	124.37
07 72 38 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	865.40	124.37
07 72 38 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	995.57	124.37
07 72 38 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,093.19	124.37
07 72 38 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,209.65	124.37
07 72 38 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,322.69	124.37
07 72 38 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,437.44	124.37
07 72 38 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,552.19	124.37
07 72 38 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,666.94	124.37
07 72 38 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,779.98	124.37
07 72 38 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,894.73	124.37
07 72 38 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,009.48	124.37
07 72 38 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,120.59	124.37
07 72 38 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,235.34	124.37
07 72 38 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,365.51	124.37
07 72 38 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,463.13	124.37
07 72 38 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,579.60	124.37
07 72 38 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,692.64	124.37
07 72 38 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,807.39	124.37
07 72 38 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,922.14	124.37
07 72 38 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,036.89	124.37
07 72 38 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,149.93	124.37
07 72 38 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,264.68	124.37
07 72 38 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,379.43	124.37
07 72 38 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,060.34	138.49
07 72 38 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,175.09	138.49
07 72 38 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,305.25	138.49
07 72 38 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,402.88	138.49
07 72 38 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,519.34	138.49
07 72 38 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,632.38	138.49
07 72 38 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,747.13	138.49
07 72 38 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,861.88	138.49
07 72 38 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,976.63	138.49
07 72 38 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,089.67	138.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,204.42	138.49
07 72 38 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,319.17	138.49
07 72 38 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,430.28	138.49
07 72 38 13-0112	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,545.03	138.49
07 72 38 13-0113	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,675.20	138.49
07 72 38 13-0114	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,772.82	138.49
07 72 38 13-0115	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,889.28	138.49
07 72 38 13-0116	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,002.32	138.49
07 72 38 13-0117	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,117.07	138.49
07 72 38 13-0118	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,231.82	138.49
07 72 38 13-0119	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,346.58	138.49
07 72 38 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,459.61	138.49
07 72 38 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,574.36	138.49
07 72 38 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,689.12	138.49
07 72 38 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,427.28	138.49
07 72 38 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,560.40	149.80
07 72 38 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,690.57	149.80
07 72 38 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,788.19	149.80
07 72 38 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,904.66	149.80
07 72 38 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,017.70	149.80
07 72 38 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,132.45	149.80
07 72 38 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,247.20	149.80
07 72 38 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,361.95	149.80
07 72 38 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,474.99	149.80
07 72 38 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,589.74	149.80
07 72 38 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,704.49	149.80
07 72 38 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,815.60	149.80
07 72 38 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,930.35	149.80
07 72 38 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,060.51	149.80
07 72 38 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,158.14	149.80
07 72 38 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,274.60	149.80
07 72 38 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,387.64	149.80
07 72 38 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,502.39	149.80
07 72 38 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,617.14	149.80
07 72 38 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,731.89	149.80
07 72 38 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,844.93	149.80
07 72 38 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,959.68	149.80
07 72 38 13-0146	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,074.43	149.80

07 72 38 13-0147 Third Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	706.14	124.37
07 72 38 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	820.89	124.37
07 72 38 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	951.05	124.37
07 72 38 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,048.68	124.37
07 72 38 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,165.14	124.37
07 72 38 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,278.18	124.37
07 72 38 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,392.93	124.37
07 72 38 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,507.68	124.37
07 72 38 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,622.43	124.37
07 72 38 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,735.47	124.37
07 72 38 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,850.22	124.37
07 72 38 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,964.97	124.37
07 72 38 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	921.94	124.37
07 72 38 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,036.69	124.37
07 72 38 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,166.85	124.37
07 72 38 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,264.48	124.37
07 72 38 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,380.94	124.37
07 72 38 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,493.98	124.37
07 72 38 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,608.73	124.37
07 72 38 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,723.48	124.37
07 72 38 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,838.23	124.37
07 72 38 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,951.27	124.37
07 72 38 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,066.02	124.37
07 72 38 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,180.77	124.37
07 72 38 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	803.71	138.49
07 72 38 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	918.46	138.49
07 72 38 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,048.62	138.49
07 72 38 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,146.25	138.49
07 72 38 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,262.71	138.49
07 72 38 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,375.75	138.49
07 72 38 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,490.50	138.49
07 72 38 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,605.25	138.49
07 72 38 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,720.00	138.49
07 72 38 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,833.04	138.49
07 72 38 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,947.79	138.49
07 72 38 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,062.54	138.49
07 72 38 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,019.51	138.49
07 72 38 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,134.26	138.49
07 72 38 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,264.42	138.49
07 72 38 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,362.05	138.49
07 72 38 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,478.51	138.49
07 72 38 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,591.55	138.49
07 72 38 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,706.30	138.49
07 72 38 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,821.05	138.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,935.80	138.49
07 72 38 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,048.84	138.49
07 72 38 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,163.59	138.49
07 72 38 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,278.34	138.49
07 72 38 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,020.52	138.49
07 72 38 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,153.64	149.80
07 72 38 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,283.80	149.80
07 72 38 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,381.43	149.80
07 72 38 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,497.89	149.80
07 72 38 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,610.93	149.80
07 72 38 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,725.68	149.80
07 72 38 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,840.43	149.80
07 72 38 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,955.18	149.80
07 72 38 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,068.22	149.80
07 72 38 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,182.97	149.80
07 72 38 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,297.72	149.80
07 72 38 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,254.69	149.80
07 72 38 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,369.44	149.80
07 72 38 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,499.60	149.80
07 72 38 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,597.23	149.80
07 72 38 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,713.69	149.80
07 72 38 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,826.73	149.80
07 72 38 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,941.48	149.80
07 72 38 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,056.23	149.80
07 72 38 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,170.98	149.80
07 72 38 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,284.02	149.80
07 72 38 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,398.77	149.80
07 72 38 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,513.52	149.80

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	12.71	2.91
		For Diamond Surface, Add	*1.17*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	14.17	3.49
		For Diamond Surface, Add	*1.36*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	15.64	3.49
		For Diamond Surface, Add	*1.52*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs *(07 72 53)*

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	25.20	2.97
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	27.62	2.97
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	26.02	2.97
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	14.83	2.97

07 72 53 00-0006 Snow Guards For Metal Roofs *(07 72 53)*

Note: Aluminum construction.

07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	28.08	5.04
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	31.25	5.04
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	46.24	5.04
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	45.57	5.04
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	42.76	5.89
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	46.74	5.89
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	58.47	5.89
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	24.54	4.43
		For Mechanically Fastened, Add	*8.83*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	27.83	4.43
		For Mechanically Fastened, Add	*8.83*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	39.01	4.43
		For Mechanically Fastened, Add	*8.83*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing.	14.73	4.43
		For Mechanically Fastened, Add	*11.77*	

07 72 53 00-0018 Pipe Style, Snow Guards For Metal Roofs *(07 72 53)*

07 72 53 00-0019 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps *(07 72 53 00-0018)*

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0020	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	72.25	17.67
07 72 53 00-0021	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	86.47	17.67
07 72 53 00-0022	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	97.83	17.67
07 72 53 00-0023	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	122.27	17.67
07 72 53 00-0024	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	125.65	21.20

07 72 53 00-0025 Tubing For Snow Guard Clamps *(07 72 53 00-0018)*

07 72 53 00-0026	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	14.89	4.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0027	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	29.99	4.24

07 72 56 Snow/Ice Melt *(07 72)*

07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters *(07 72 56)*

07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	18.10	1.61
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	19.43	1.61
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	316.59	120.20
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	240.38	88.15
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	11.91	4.81
		For >5, Deduct	*-0.96*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	11.14	4.81
		For >5, Deduct	*-0.88*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	72.77	12.02
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,147.56	96.16
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,570.47	120.20

07 72 63 Waste Containment Assemblies *(07 72)*

07 72 63 00-0001 Rooftop Oil And Grease Containment System *(07 72 63)*

07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*

07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,188.31	238.21
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,567.09	238.21
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,381.69	247.74
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,360.04	247.74
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,702.40	267.99
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,441.25	267.99
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	4,947.37	317.53
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,296.51	396.98
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	9,071.85	396.98
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,507.54	396.98

07 72 63 00-0013 Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*

07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	3,929.73	238.21
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,422.30	238.21
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,469.64	247.74
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,567.09	247.74
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	7,959.48	267.99
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,733.49	267.99
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,108.36	317.53
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,125.98	396.98
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,437.17	396.98
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,603.56	396.98

07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)*

Note: Includes removing old filters and installing new filters.

07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*

07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	263.61	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	371.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	534.23	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	492.01	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	925.03	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	935.84	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	720.44	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	936.95	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,375.37	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,813.80	

07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	552.09	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	736.13	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,071.72	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	997.02	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,922.58	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,933.40	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,431.11	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,934.49	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,838.40	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,780.20	

07 72 63 00-0049 Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	687.42	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	855.22	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,255.74	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,186.47	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,317.70	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,306.88	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,680.11	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,329.61	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,271.41	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,554.22	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.12	0.60
		For No Adhesive, Deduct	*-0.94*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.65	0.66
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.91	0.72
		For No Adhesive, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.18	0.60
		For No Adhesive, Deduct	*-0.94*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.74	0.66
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.00	0.72
		For No Adhesive, Deduct	*-0.98*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	3.96	0.60
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.53	0.66
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.80	0.72
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.02	0.60
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.62	0.66
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.89	0.72

07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	3.96	0.60
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.49	0.66
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.75	0.72
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.02	0.60
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.58	0.66
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.84	0.72
		For Mechanically Fastened To Concrete, Add	*1.58*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.18*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	12.25	7.58
		For 1-1/2" Thickness, Deduct	*-1.23*	
		For 2-1/2" Thickness, Add	*1.34*	
		For 3" Thickness, Add	*2.68*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	10.96	5.71
		For 1-1/2" Thickness, Deduct	*-1.10*	
		For 2-1/2" Thickness, Add	*1.21*	
		For 3" Thickness, Add	*2.41*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	10.25	4.54
		For 1-1/2" Thickness, Deduct	*-1.03*	
		For 2-1/2" Thickness, Add	*1.13*	
		For 3" Thickness, Add	*2.26*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	9.84	3.96
		For 1-1/2" Thickness, Deduct	*-0.98*	
		For 2-1/2" Thickness, Add	*1.08*	
		For 3" Thickness, Add	*2.17*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	9.31	3.62
		For 1-1/2" Thickness, Deduct	*-0.93*	
		For 2-1/2" Thickness, Add	*1.02*	
		For 3" Thickness, Add	*2.05*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	26.36	1.19
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	27.55	1.19
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	28.74	1.19
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	14.72	1.19
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	12.90	1.19
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	13.22	1.19
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	7.46	1.19
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	9.80	1.19

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	6.18	
		For 20 Year Warranty, Deduct	*-0.37*	
		For 15 Year Warranty, Deduct	*-0.75*	
		For 10 Year Warranty, Deduct	*-1.02*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	8.08	
		For 20 Year Warranty, Deduct	*-0.53*	
		For 15 Year Warranty, Deduct	*-1.07*	
		For 10 Year Warranty, Deduct	*-1.44*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	9.51	
		For 20 Year Warranty, Deduct	*-0.62*	
		For 15 Year Warranty, Deduct	*-1.24*	
		For 10 Year Warranty, Deduct	*-1.68*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	11.50	
		For 20 Year Warranty, Deduct	*-0.77*	
		For 15 Year Warranty, Deduct	*-1.56*	
		For 10 Year Warranty, Deduct	*-2.10*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.38	0.87
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.35	1.29

07 81 16 00-0004 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.97	0.74
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.77	0.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*
Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	18.15	
		For >10,000, Deduct	*-1.74*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	29.12	
		For >10,000, Deduct	*-2.83*	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*
Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.82	
		For >10,000, Deduct	*-1.10*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	26.11	
		For >10,000, Deduct	*-2.52*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	59.00	
		For >10,000, Deduct	*-5.80*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	81.18	
		For >10,000, Deduct	*-8.02*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	103.39	
		For >10,000, Deduct	*-10.23*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	125.61	
		For >10,000, Deduct	*-12.45*	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*
Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.78	
		For >10,000, Deduct	*-2.29*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.16	
		For >10,000, Deduct	*-4.33*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	70.05	
		For >10,000, Deduct	*-6.91*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.77	
		For >10,000, Deduct	*-9.68*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.67	
		For >10,000, Deduct	*-12.26*	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*
Note: Excludes primer.

07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.55	
		For >10,000, Deduct	*-1.10*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.24	
		For >10,000, Deduct	*-2.56*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	60.06	
		For >10,000, Deduct	*-5.94*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.87	
		For >10,000, Deduct	*-8.21*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.71	
		For >10,000, Deduct	*-10.49*	

07 81 33 Mineral-Fiber Fireproofing *(07 81)*

07 81 33 00-0001 Cellulose Fireproofing *(07 81 33)*

07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.71	0.74

07 84 Firestopping *(07 80)*

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

07 84 13 16-0001 Firestopping Systems For Cable Penetrations *(07 84 13 16)*

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*
Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	71.60	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	94.18	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	149.11	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*		
		Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	125.28	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	216.06	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	391.07	
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	282.41	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	262.46	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	270.03	
07 84 13 16-0014		Intumescent Firestopping Pipe Collar *(07 84 13 16)*		
07 84 13 16-0015	EA	1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	48.66	15.66
07 84 13 16-0016	EA	2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	57.02	15.66
07 84 13 16-0017	EA	3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	65.83	17.22
07 84 13 16-0018	EA	4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	99.23	19.57
07 84 13 16-0019	EA	8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8")	450.21	23.48
07 84 13 16-0020	EA	10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10")	579.32	25.83
07 84 13 16-0021		Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*		
		Note: Includes fasteners. Excludes additional perimeter caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	191.70	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	202.57	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	390.61	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	250.41	
07 84 13 16-0026		Intumescent Firestopping Wrap Strips *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.77	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)*		
		Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.40	
		For Intumescent Sealant For Plastic Pipe, Add	*0.07*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.81	
		For Intumescent Sealant For Plastic Pipe, Add	*0.38*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.57	
		For Intumescent Sealant For Plastic Pipe, Add	*0.28*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.17	
		For Intumescent Sealant For Plastic Pipe, Add	*0.12*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.12	
		For Intumescent Sealant For Plastic Pipe, Add	*0.81*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.87	
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.48	
		For Intumescent Sealant For Plastic Pipe, Add	*0.56*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.86	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.33	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.55	
		For Intumescent Sealant For Plastic Pipe, Add	*1.36*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.32	
		For Intumescent Sealant For Plastic Pipe, Add	*1.27*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.91	
		For Intumescent Sealant For Plastic Pipe, Add	*1.10*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.29	
		For Intumescent Sealant For Plastic Pipe, Add	*0.86*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.77	
		For Intumescent Sealant For Plastic Pipe, Add	*0.65*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.53	
		For Intumescent Sealant For Plastic Pipe, Add	*0.15*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	65.60	
		For Intumescent Sealant For Plastic Pipe, Add	*3.67*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	61.29	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	60.89	
		For Intumescent Sealant For Plastic Pipe, Add	*1.78*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	60.26	
		For Intumescent Sealant For Plastic Pipe, Add	*1.53*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.74	
		For Intumescent Sealant For Plastic Pipe, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	58.50	
		For Intumescent Sealant For Plastic Pipe, Add	*0.83*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	56.88	
		For Intumescent Sealant For Plastic Pipe, Add	*0.18*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	87.46	
		For Intumescent Sealant For Plastic Pipe, Add	*6.77*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	87.02	
		For Intumescent Sealant For Plastic Pipe, Add	*6.59*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	86.31	
		For Intumescent Sealant For Plastic Pipe, Add	*6.31*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	85.19	
		For Intumescent Sealant For Plastic Pipe, Add	*5.86*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	84.25	
		For Intumescent Sealant For Plastic Pipe, Add	*5.48*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	76.90	
		For Intumescent Sealant For Plastic Pipe, Add	*2.54*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	75.30	
		For Intumescent Sealant For Plastic Pipe, Add	*1.90*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	72.84	
		For Intumescent Sealant For Plastic Pipe, Add	*0.92*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	137.80	
		For Intumescent Sealant For Plastic Pipe, Add	*15.62*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	137.36	
		For Intumescent Sealant For Plastic Pipe, Add	*15.44*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	136.65	
		For Intumescent Sealant For Plastic Pipe, Add	*15.16*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	135.54	
		For Intumescent Sealant For Plastic Pipe, Add	*14.71*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	134.59	
		For Intumescent Sealant For Plastic Pipe, Add	*14.33*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	132.35	
		For Intumescent Sealant For Plastic Pipe, Add	*13.44*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	129.44	
		For Intumescent Sealant For Plastic Pipe, Add	*12.27*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	125.04	
		For Intumescent Sealant For Plastic Pipe, Add	*10.51*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	108.44	
		For Intumescent Sealant For Plastic Pipe, Add	*3.87*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	181.57	
		For Intumescent Sealant For Plastic Pipe, Add	*24.66*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	177.16	
		For Intumescent Sealant For Plastic Pipe, Add	*22.90*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	168.32	
		For Intumescent Sealant For Plastic Pipe, Add	*19.36*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	132.24	
		For Intumescent Sealant For Plastic Pipe, Add	*4.93*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	229.31	
		For Intumescent Sealant For Plastic Pipe, Add	*35.29*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	203.07	
		For Intumescent Sealant For Plastic Pipe, Add	*24.80*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	156.77	
		For Intumescent Sealant For Plastic Pipe, Add	*6.28*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.18
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.09
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	33.97
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.77
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.67
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.55
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.36
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.18
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.32
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.24
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.10
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.91
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.74
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.31
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.08	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.95	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.76	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.59	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.16	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.56	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.77	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.68	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.55	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.34	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.14	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	72.71	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	72.17	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.32	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	106.20	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	106.11	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.98	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.79	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.62	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.19	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	104.60	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.80	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.05	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	131.68	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	130.87	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	129.12	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	124.18	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	157.91	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	152.96	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	146.42	

07 84 16 Annular Space Protection *(07 84)*

07 84 16 00-0001 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0002	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	362.82	
07 84 16 00-0003	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	502.35	
07 84 16 00-0004	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	672.04	

07 84 16 00-0005 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0007 for filling openings.

07 84 16 00-0006	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	56.59	

07 84 16 00-0007 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0008	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	153.50	

07 84 16 00-0009 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0010	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	185.17	

07 84 16 00-0011 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0012	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	38.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0013	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	41.22	
07 84 16 00-0014	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	44.57	
07 84 16 00-0015		Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*		
07 84 16 00-0016		Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0015)*		
07 84 16 00-0017	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	41.49	
07 84 16 00-0018	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	57.57	
07 84 16 00-0019	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	60.39	
07 84 16 00-0020	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	63.21	
07 84 16 00-0021	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	66.03	
07 84 16 00-0022	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	82.12	
07 84 16 00-0023		Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0015)*		
07 84 16 00-0024	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	17.31	
07 84 16 00-0025	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	17.87	
07 84 16 00-0026	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	16.84	
07 84 16 00-0027	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	17.91	
07 84 16 00-0028	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	17.49	
07 84 16 00-0029	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	16.91	
07 84 23		**Silicone Firestopping Foams** *(07 84)*		
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings *(07 84 23)*		
		Note: Standard 7" foam depth.		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	50.87	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	107.14	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	187.42	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	273.89	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	384.25	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	514.99	
07 84 43		**Joint Firestopping** *(07 84)*		
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	474.87	126.98
		For Up To 6 CLF, Add	*26.09*	
		For >30 CLF, Deduct	*-28.44*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*14.09*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	521.86	126.98
		For Up To 4 CLF, Add	*29.62*	
		For >20 CLF, Deduct	*-33.14*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*21.14*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	582.93	131.21
		For Up To 3 CLF, Add	*33.84*	
		For >15 CLF, Deduct	*-38.54*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*28.18*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	606.42	131.21
		For Up To 2.5 CLF, Add	*35.61*	
		For >13 CLF, Deduct	*-40.89*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*31.71*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	676.88	131.21
		For Up To 2 CLF, Add	*40.89*	
		For >10 CLF, Deduct	*-47.94*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*42.28*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	747.34	131.21
		For Up To 1.5 CLF, Add	*46.17*	
		For >8 CLF, Deduct	*-54.98*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*52.85*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	831.91	136.85
		For Up To 1.3 CLF, Add	*52.16*	
		For >7 CLF, Deduct	*-62.73*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*63.41*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	784.93	136.85
		For Up To 1.4 CLF, Add	*48.64*	
		For >7.5 CLF, Deduct	*-58.04*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*56.37*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	892.99	141.08
		For Up To 1.15 CLF, Add	*56.39*	
		For >6 CLF, Deduct	*-68.14*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*70.46*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	986.93	141.08
		For Up To 1 CLF, Add	*63.44*	
		For >5 CLF, Deduct	*-77.53*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*84.55*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,094.99	145.32
		For Up To 0.8 CLF, Add	*71.19*	
		For >4.5 CLF, Deduct	*-87.63*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*98.64*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,203.05	150.96
		For Up To 0.75 CLF, Add	*78.94*	
		For >4 CLF, Deduct	*-97.73*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*112.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,311.10	155.19
		For Up To 0.65 CLF, Add	*86.69*	
		For >3.5 CLF, Deduct	*-107.83*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*126.83*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,635.26	169.30
		For Up To 0.5 CLF, Add	*109.95*	
		For >2.5 CLF, Deduct	*-138.13*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*169.10*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,067.47	187.64
		For Up To 0.4 CLF, Add	*140.95*	
		For >2 CLF, Deduct	*-178.53*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*225.47*	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	487.95	126.98
		For Up To 6 CLF, Add	*27.07*	
		For >30 CLF, Deduct	*-29.75*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	541.45	126.98
		For Up To 4 CLF, Add	*31.09*	
		For >20 CLF, Deduct	*-35.10*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	609.06	131.21
		For Up To 3 CLF, Add	*35.80*	
		For >15 CLF, Deduct	*-41.15*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	635.81	131.21
		For Up To 2.5 CLF, Add	*37.81*	
		For >13 CLF, Deduct	*-43.83*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	716.06	131.21
		For Up To 2 CLF, Add	*43.83*	
		For >10 CLF, Deduct	*-51.85*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	796.32	131.21
		For Up To 1.5 CLF, Add	*49.85*	
		For >8 CLF, Deduct	*-59.88*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	890.68	136.85
		For Up To 1.3 CLF, Add	*56.57*	
		For >7 CLF, Deduct	*-68.61*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	837.18	136.85
		For Up To 1.4 CLF, Add	*52.56*	
		For >7.5 CLF, Deduct	*-63.26*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	958.30	141.08
		For Up To 1.15 CLF, Add	*61.29*	
		For >6 CLF, Deduct	*-74.67*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,065.30	141.08
		For Up To 1 CLF, Add	*69.32*	
		For >5 CLF, Deduct	*-85.37*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,186.42	145.32
		For Up To 0.8 CLF, Add	*78.05*	
		For >4.5 CLF, Deduct	*-96.77*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,307.54	150.96
		For Up To 0.75 CLF, Add	*86.78*	
		For >4 CLF, Deduct	*-108.18*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,428.66	155.19
		For Up To 0.65 CLF, Add	*95.51*	
		For >3.5 CLF, Deduct	*-119.59*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,792.00	169.30
		For Up To 0.5 CLF, Add	*121.70*	
		For >2.5 CLF, Deduct	*-153.80*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,276.46	187.64
		For Up To 0.4 CLF, Add	*156.63*	
		For >2 CLF, Deduct	*-199.43*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	436.29	126.98
		For Up To 6 CLF, Add	*23.20*	
		For >30 CLF, Deduct	*-24.58*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	463.96	126.98
		For Up To 4 CLF, Add	*25.27*	
		For >20 CLF, Deduct	*-27.35*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	505.74	131.21
		For Up To 3 CLF, Add	*28.05*	
		For >15 CLF, Deduct	*-30.82*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	519.57	131.21
		For Up To 2.5 CLF, Add	*29.09*	
		For >13 CLF, Deduct	*-32.21*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	561.09	131.21
		For Up To 2 CLF, Add	*32.21*	
		For >10 CLF, Deduct	*-36.36*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	602.60	131.21
		For Up To 1.5 CLF, Add	*35.32*	
		For >8 CLF, Deduct	*-40.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	658.22	136.85
		For Up To 1.3 CLF, Add	*39.14*	
		For >7 CLF, Deduct	*-45.36*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	630.54	136.85
		For Up To 1.4 CLF, Add	*37.06*	
		For >7.5 CLF, Deduct	*-42.60*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	700.00	141.08
		For Up To 1.15 CLF, Add	*41.92*	
		For >6 CLF, Deduct	*-48.84*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	755.35	141.08
		For Up To 1 CLF, Add	*46.07*	
		For >5 CLF, Deduct	*-54.37*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	824.81	145.32
		For Up To 0.8 CLF, Add	*50.93*	
		For >4.5 CLF, Deduct	*-60.61*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	894.27	150.96
		For Up To 0.75 CLF, Add	*55.78*	
		For >4 CLF, Deduct	*-66.85*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	963.73	155.19
		For Up To 0.65 CLF, Add	*60.64*	
		For >3.5 CLF, Deduct	*-73.09*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,172.09	169.30
		For Up To 0.5 CLF, Add	*75.21*	
		For >2.5 CLF, Deduct	*-91.81*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,449.92	187.64
		For Up To 0.4 CLF, Add	*94.64*	
		For >2 CLF, Deduct	*-116.78*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.79	
		For Work In Restricted Working Space, Add	*1.76*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.	18.19	
		For Work In Restricted Working Space, Add	*1.76*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.	19.72	
		For Work In Restricted Working Space, Add	*1.76*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	20.06	11.90
		For Work In Restricted Working Space, Add	*4.78*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	23.48	11.90
		For Work In Restricted Working Space, Add	*4.78*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	27.22	11.90
		For Work In Restricted Working Space, Add	*4.78*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	30.97	11.90
		For Work In Restricted Working Space, Add	*4.78*	

07 86 Smoke Seals *(07 80)*

07 86 00 00-0001 Food-Grade Silicone Sealant For Joints (DOW 786) *(07 86)*
Note: Mildew Resistant; Mold Resistant

07 86 00 00-0002	CLF	1/4" x 1/4" Joint, Food-Grade Sealant (DOWSIL 786)	462.52	126.98
		For Up To 6 CLF, Add	*25.17*	
		For >30 CLF, Deduct	*-27.21*	
07 86 00 00-0003	CLF	1/4" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	503.34	126.98
		For Up To 4 CLF, Add	*28.23*	
		For >20 CLF, Deduct	*-31.29*	
07 86 00 00-0004	CLF	1/4" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	558.24	131.21
		For Up To 3 CLF, Add	*31.99*	
		For >15 CLF, Deduct	*-36.07*	
07 86 00 00-0005	CLF	3/8" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	578.64	131.21
		For Up To 2.5 CLF, Add	*33.52*	
		For >13 CLF, Deduct	*-38.11*	
07 86 00 00-0006	CLF	3/8" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	639.84	131.21
		For Up To 2 CLF, Add	*38.11*	
		For >10 CLF, Deduct	*-44.23*	
07 86 00 00-0007	CLF	3/8" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	701.04	131.21
		For Up To 1.5 CLF, Add	*42.70*	
		For >8 CLF, Deduct	*-50.35*	
07 86 00 00-0008	CLF	3/8" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	776.35	136.85
		For Up To 1.3 CLF, Add	*48.00*	
		For >7 CLF, Deduct	*-57.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 86 00 00-0009	CLF	1/2" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	735.55	136.85
		For Up To 1.4 CLF, Add	*44.94*	
		For >7.5 CLF, Deduct	*-53.10*	
07 86 00 00-0010	CLF	1/2" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	831.26	141.08
		For Up To 1.15 CLF, Add	*51.76*	
		For >6 CLF, Deduct	*-61.96*	
07 86 00 00-0011	CLF	1/2" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	912.86	141.08
		For Up To 1 CLF, Add	*57.88*	
		For >5 CLF, Deduct	*-70.12*	
07 86 00 00-0012	CLF	1/2" x 7/8" Joint, Food-Grade Sealant (DOWSIL 786)	1,008.57	145.32
		For Up To 0.8 CLF, Add	*64.71*	
		For >4.5 CLF, Deduct	*-78.99*	
07 86 00 00-0013	CLF	1/2" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,104.28	150.96
		For Up To 0.75 CLF, Add	*71.53*	
		For >4 CLF, Deduct	*-87.85*	
07 86 00 00-0014	CLF	3/4" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	1,199.99	155.19
		For Up To 0.65 CLF, Add	*78.36*	
		For >3.5 CLF, Deduct	*-96.72*	
07 86 00 00-0015	CLF	3/4" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,487.11	169.30
		For Up To 0.5 CLF, Add	*98.84*	
		For >2.5 CLF, Deduct	*-123.32*	
07 86 00 00-0016	CLF	1" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,869.94	187.64
		For Up To 0.4 CLF, Add	*126.14*	
		For >2 CLF, Deduct	*-158.78*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.22	0.59
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.41	0.59
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	2.70	0.59
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.20	0.59
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.35	0.71
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	3.77	0.71
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	4.90	0.71
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	5.98	0.83
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.16	0.95
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.02	1.07
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	21.32	1.31

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	2.81	0.71
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	8.58	2.02
		For Custom Match Coloring, Add	*0.24*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	10.53	2.13
		For Custom Match Coloring, Add	*0.37*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	11.64	2.25
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	16.03	4.15

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	471.98	136.97
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	752.31	197.86
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	603.69	169.60
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	691.54	178.03
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,055.61	273.93
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,204.20	296.72
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,077.33	215.77

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	492.78	169.60
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	877.09	273.93
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	656.83	233.82
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	823.25	246.86
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,250.86	378.61
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,493.03	410.89
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,023.47	492.55

07 91 26 00-0023 Silicon RTV Foam Penetration Seal *(07 91 26)*

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	155.06	27.18
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	310.14	54.24
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	462.14	80.58
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	652.62	108.60
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	155.06	27.18
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	461.66	80.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	789.74	120.70
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,577.33	240.58
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,991.18	434.28
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	4,574.06	678.42
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	6,720.06	1,085.50
07 91 26 00-0035		Seals O-Ring Type Cord "J-Seal" *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	5.08	1.54
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	5.38	1.54
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	5.66	1.67
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	5.97	1.79
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	6.39	1.91
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	6.68	1.91
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	7.05	2.03
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	7.28	2.03
07 91 33		**Expansion Joint Seal Systems** *(07 91)*		
07 91 33 00-0001		Expansion Joint Seal Systems (Wabo®) *(07 91 33)*		
07 91 33 00-0002		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	100.93	8.94
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	134.61	9.36
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	170.13	9.79
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	209.64	10.22
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	271.55	10.64
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	311.73	11.07
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	361.55	11.50
07 91 33 00-0010		Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	52.28	8.94
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	56.95	9.07
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	68.59	9.19
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	72.74	9.36
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	77.64	9.49
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	94.88	9.62
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	116.73	9.79
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	137.87	10.22
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	155.94	10.64
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	43.99	8.94
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	56.83	9.36
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	69.46	9.79
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	73.30	10.00
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	81.18	10.22
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	115.84	10.64
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	158.71	11.07
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	37.11	3.54
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	62.04	3.69
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	93.25	3.83
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	117.51	3.97
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	154.54	4.11
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	204.34	4.25
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	250.55	4.40
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	337.78	4.54
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	394.29	4.68

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	36.22	3.54
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	47.70	3.69
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	63.90	3.83
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	86.58	3.97
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	98.75	4.11
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	136.90	4.25
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	183.78	4.40
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	198.41	4.54

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001 Silicone Sealants And Caulking *(07 92 13)*

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	436.22	126.98
		For Custom Match Coloring, Add	*13.27*	
		For Up To 6 CLF, Add	*23.19*	
		For >30 CLF, Deduct	*-24.58*	
		For 1 Part Mildew Resistant, Add	*19.35*	
		For High-Modulus Non-Acid Curing, Add	*11.06*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	463.87	126.98
		For Custom Match Coloring, Add	*19.90*	
		For Up To 4 CLF, Add	*25.27*	
		For >20 CLF, Deduct	*-27.34*	
		For 1 Part Mildew Resistant, Add	*29.03*	
		For High-Modulus Non-Acid Curing, Add	*16.59*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	505.61	131.21
		For Custom Match Coloring, Add	*26.54*	
		For Up To 3 CLF, Add	*28.04*	
		For >15 CLF, Deduct	*-30.81*	
		For 1 Part Mildew Resistant, Add	*38.70*	
		For High-Modulus Non-Acid Curing, Add	*22.11*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	519.43	131.21
		For Custom Match Coloring, Add	*29.85*	
		For Up To 2.5 CLF, Add	*29.08*	
		For >13 CLF, Deduct	*-32.19*	
		For 1 Part Mildew Resistant, Add	*43.54*	
		For High-Modulus Non-Acid Curing, Add	*24.88*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	560.89	131.21
		For Custom Match Coloring, Add	*39.80*	
		For Up To 2 CLF, Add	*32.19*	
		For >10 CLF, Deduct	*-36.34*	
		For 1 Part Mildew Resistant, Add	*58.05*	
		For High-Modulus Non-Acid Curing, Add	*33.17*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	602.36	131.21
		For Custom Match Coloring, Add	*49.76*	
		For Up To 1.5 CLF, Add	*35.30*	
		For >8 CLF, Deduct	*-40.48*	
		For 1 Part Mildew Resistant, Add	*72.56*	
		For High-Modulus Non-Acid Curing, Add	*41.46*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	657.93	136.85
		For Custom Match Coloring, Add	*59.71*	
		For Up To 1.3 CLF, Add	*39.12*	
		For >7 CLF, Deduct	*-45.34*	
		For 1 Part Mildew Resistant, Add	*87.07*	
		For High-Modulus Non-Acid Curing, Add	*49.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	630.29	136.85
		For Custom Match Coloring, Add	*53.07*	
		For Up To 1.4 CLF, Add	*37.04*	
		For >7.5 CLF, Deduct	*-42.57*	
		For 1 Part Mildew Resistant, Add	*77.40*	
		For High-Modulus Non-Acid Curing, Add	*44.23*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	699.68	141.08
		For Custom Match Coloring, Add	*66.34*	
		For Up To 1.15 CLF, Add	*41.89*	
		For >6 CLF, Deduct	*-48.81*	
		For 1 Part Mildew Resistant, Add	*96.75*	
		For High-Modulus Non-Acid Curing, Add	*55.28*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	754.97	141.08
		For Custom Match Coloring, Add	*79.61*	
		For Up To 1 CLF, Add	*46.04*	
		For >5 CLF, Deduct	*-54.33*	
		For 1 Part Mildew Resistant, Add	*116.10*	
		For High-Modulus Non-Acid Curing, Add	*66.34*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	824.36	145.32
		For Custom Match Coloring, Add	*92.88*	
		For Up To 0.8 CLF, Add	*50.89*	
		For >4.5 CLF, Deduct	*-60.57*	
		For 1 Part Mildew Resistant, Add	*135.45*	
		For High-Modulus Non-Acid Curing, Add	*77.40*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	893.75	150.96
		For Custom Match Coloring, Add	*106.14*	
		For Up To 0.75 CLF, Add	*55.74*	
		For >4 CLF, Deduct	*-66.80*	
		For 1 Part Mildew Resistant, Add	*154.79*	
		For High-Modulus Non-Acid Curing, Add	*88.45*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	963.15	155.19
		For Custom Match Coloring, Add	*119.41*	
		For Up To 0.65 CLF, Add	*60.60*	
		For >3.5 CLF, Deduct	*-73.04*	
		For 1 Part Mildew Resistant, Add	*174.15*	
		For High-Modulus Non-Acid Curing, Add	*99.51*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,171.32	169.30
		For Custom Match Coloring, Add	*159.22*	
		For Up To 0.5 CLF, Add	*75.15*	
		For >2.5 CLF, Deduct	*-91.74*	
		For 1 Part Mildew Resistant, Add	*232.19*	
		For High-Modulus Non-Acid Curing, Add	*132.68*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,448.89	187.64
		For Custom Match Coloring, Add	*212.29*	
		For Up To 0.4 CLF, Add	*94.56*	
		For >2 CLF, Deduct	*-116.67*	
		For 1 Part Mildew Resistant, Add	*309.59*	
		For High-Modulus Non-Acid Curing, Add	*176.91*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	400.34	126.98
		For Up To 6 CLF, Add	*20.50*	
		For >30 CLF, Deduct	*-20.99*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	410.03	126.98
		For Up To 4 CLF, Add	*21.23*	
		For >20 CLF, Deduct	*-21.96*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	433.83	131.21
		For Up To 3 CLF, Add	*22.66*	
		For >15 CLF, Deduct	*-23.63*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	438.68	131.21
		For Up To 2.5 CLF, Add	*23.03*	
		For >13 CLF, Deduct	*-24.12*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	453.23	131.21
		For Up To 2 CLF, Add	*24.12*	
		For >10 CLF, Deduct	*-25.57*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	467.77	131.21
		For Up To 1.5 CLF, Add	*25.21*	
		For >8 CLF, Deduct	*-27.03*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	496.43	136.85
		For Up To 1.3 CLF, Add	*27.00*	
		For >7 CLF, Deduct	*-29.19*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	486.73	136.85
		For Up To 1.4 CLF, Add	*26.28*	
		For >7.5 CLF, Deduct	*-28.22*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	520.24	141.08
		For Up To 1.15 CLF, Add	*28.44*	
		For >6 CLF, Deduct	*-30.86*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	539.63	141.08
		For Up To 1 CLF, Add	*29.89*	
		For >5 CLF, Deduct	*-32.80*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	573.14	145.32
		For Up To 0.8 CLF, Add	*32.05*	
		For >4.5 CLF, Deduct	*-35.45*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	606.64	150.96
		For Up To 0.75 CLF, Add	*34.21*	
		For >4 CLF, Deduct	*-38.09*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	640.15	155.19
		For Up To 0.65 CLF, Add	*36.37*	
		For >3.5 CLF, Deduct	*-40.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	740.66	169.30
		For Up To 0.5 CLF, Add	*42.85*	
		For >2.5 CLF, Deduct	*-48.67*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	874.67	187.64
		For Up To 0.4 CLF, Add	*51.49*	
		For >2 CLF, Deduct	*-59.25*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	423.34	126.98
		For Up To 6 CLF, Add	*22.23*	
		For >30 CLF, Deduct	*-23.29*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	444.54	126.98
		For Up To 4 CLF, Add	*23.82*	
		For >20 CLF, Deduct	*-25.41*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	479.84	131.21
		For Up To 3 CLF, Add	*26.11*	
		For >15 CLF, Deduct	*-28.23*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	490.44	131.21
		For Up To 2.5 CLF, Add	*26.91*	
		For >13 CLF, Deduct	*-29.29*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	522.24	131.21
		For Up To 2 CLF, Add	*29.29*	
		For >10 CLF, Deduct	*-32.47*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	554.04	131.21
		For Up To 1.5 CLF, Add	*31.68*	
		For >8 CLF, Deduct	*-35.65*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	599.95	136.85
		For Up To 1.3 CLF, Add	*34.77*	
		For >7 CLF, Deduct	*-39.54*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	578.75	136.85
		For Up To 1.4 CLF, Add	*33.18*	
		For >7.5 CLF, Deduct	*-37.42*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	635.27	141.08
		For Up To 1.15 CLF, Add	*37.06*	
		For >6 CLF, Deduct	*-42.36*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	677.67	141.08
		For Up To 1 CLF, Add	*40.24*	
		For >5 CLF, Deduct	*-46.60*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	734.18	145.32
		For Up To 0.8 CLF, Add	*44.13*	
		For >4.5 CLF, Deduct	*-51.55*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	790.69	150.96
		For Up To 0.75 CLF, Add	*48.01*	
		For >4 CLF, Deduct	*-56.50*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	847.20	155.19
		For Up To 0.65 CLF, Add	*51.90*	
		For >3.5 CLF, Deduct	*-61.44*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	1,016.72	169.30
		For Up To 0.5 CLF, Add	*63.56*	
		For >2.5 CLF, Deduct	*-76.28*	

07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	427.36	126.98
		For Up To 6 CLF, Add	*22.53*	
		For >30 CLF, Deduct	*-23.69*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	450.60	126.98
		For Up To 4 CLF, Add	*24.27*	
		For >20 CLF, Deduct	*-26.01*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	487.91	131.21
		For Up To 3 CLF, Add	*26.72*	
		For >15 CLF, Deduct	*-29.04*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	499.52	131.21
		For Up To 2.5 CLF, Add	*27.59*	
		For >13 CLF, Deduct	*-30.20*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	534.36	131.21
		For Up To 2 CLF, Add	*30.20*	
		For >10 CLF, Deduct	*-33.68*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	569.17	131.21
		For Up To 1.5 CLF, Add	*32.81*	
		For >8 CLF, Deduct	*-37.17*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	618.10	136.85
		For Up To 1.3 CLF, Add	*36.13*	
		For >7 CLF, Deduct	*-41.35*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	594.89	136.85
		For Up To 1.4 CLF, Add	*34.39*	
		For >7.5 CLF, Deduct	*-39.03*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	655.45	141.08
		For Up To 1.15 CLF, Add	*38.58*	
		For >6 CLF, Deduct	*-44.38*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	701.87	141.08
		For Up To 1 CLF, Add	*42.06*	
		For >5 CLF, Deduct	*-49.02*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	762.43	145.32
		For Up To 0.8 CLF, Add	*46.25*	
		For >4.5 CLF, Deduct	*-54.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	822.96	150.96
		For Up To 0.75 CLF, Add	*50.44*	
		For >4 CLF, Deduct	*-59.72*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	883.52	155.19
		For Up To 0.65 CLF, Add	*54.62*	
		For >3.5 CLF, Deduct	*-65.07*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	1,065.13	169.30
		For Up To 0.5 CLF, Add	*67.19*	
		For >2.5 CLF, Deduct	*-81.12*	

07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	437.21	126.98
		For Up To 6 CLF, Add	*23.27*	
		For >30 CLF, Deduct	*-24.67*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	465.35	126.98
		For Up To 4 CLF, Add	*25.38*	
		For >20 CLF, Deduct	*-27.49*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	507.59	131.21
		For Up To 3 CLF, Add	*28.19*	
		For >15 CLF, Deduct	*-31.01*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	521.66	131.21
		For Up To 2.5 CLF, Add	*29.25*	
		For >13 CLF, Deduct	*-32.41*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	563.87	131.21
		For Up To 2 CLF, Add	*32.41*	
		For >10 CLF, Deduct	*-36.64*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	606.07	131.21
		For Up To 1.5 CLF, Add	*35.58*	
		For >8 CLF, Deduct	*-40.86*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	662.39	136.85
		For Up To 1.3 CLF, Add	*39.45*	
		For >7 CLF, Deduct	*-45.78*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	634.25	136.85
		For Up To 1.4 CLF, Add	*37.34*	
		For >7.5 CLF, Deduct	*-42.97*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	704.64	141.08
		For Up To 1.15 CLF, Add	*42.27*	
		For >6 CLF, Deduct	*-49.30*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	760.91	141.08
		For Up To 1 CLF, Add	*46.49*	
		For >5 CLF, Deduct	*-54.93*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	831.30	145.32
		For Up To 0.8 CLF, Add	*51.41*	
		For >4.5 CLF, Deduct	*-61.26*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	901.68	150.96
		For Up To 0.75 CLF, Add	*56.34*	
		For >4 CLF, Deduct	*-67.59*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	972.07	155.19
		For Up To 0.65 CLF, Add	*61.27*	
		For >3.5 CLF, Deduct	*-73.93*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,183.21	169.30
		For Up To 0.5 CLF, Add	*76.04*	
		For >2.5 CLF, Deduct	*-92.93*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	91.86	10.89
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	72.09	10.89
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	110.60	10.89

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	118.63	10.89
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	83.34	10.89
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	146.75	10.89

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	74.56	10.89
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	70.31	10.89
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	102.00	10.89

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	90.62	10.89
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	75.93	10.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	120.07	10.89

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	117.67	7.27
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	140.20	7.27
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	155.72	7.27

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	90.52	7.27
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	118.10	7.27

07 95 13 16-0009 Flat Wall To Wall *(07 95 13 16-0001)*

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	68.87	7.27
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	85.42	7.27
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	105.39	7.27

07 95 13 16-0013 Corner To Flat Wall *(07 95 13 16-0001)*

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	66.12	7.27
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	77.15	7.27
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	108.15	7.27

END OF SECTION 07

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	31.63
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes	63.40
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	76.25

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 51 Operation and Maintenance of Metal Windows *(08 01 50)*

08 01 51 00-0001 Window Restoration And Replacement *(08 01 51)*

08 01 51 00-0002	EA	Removal And Replacement Of Window Balance, Removable Sash Aluminum Window	33.77
		Note: Channel, spiral or coil balance.	

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Window Arms	43.99
08 01 52 61-0003	EA	Removal And Replacement Of Window Crank Operator	49.10
08 01 52 61-0004	EA	Removal And Replacement Of Brass Window Sash Pull	30.59
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Lock	27.66
08 01 52 61-0006	EA	Removal And Replacement Of Sash Guides	15.67
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	33.77
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	104.35
		Note: Channel, spiral or coil balance.	
		For Replacing Two Balances In One Window, Deduct	*-38.96*

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001 Glazing Compound Repair *(08 01 81 10)*

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing, For Glazing Compound Repair	8.56

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	151.19
		For 9/16" To 1-1/16" Glazing Pocket, Add	*75.60*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.38
		For 9/16" To 1-1/16" Glazing Pocket, Add	*95.69*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	222.00
		For 9/16" To 1-1/16" Glazing Pocket, Add	*111.00*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	283.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	*141.62*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	367.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	*183.72*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	468.87
		For 9/16" To 1-1/16" Glazing Pocket, Add	*234.44*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	497.58
		For 9/16" To 1-1/16" Glazing Pocket, Add	*248.79*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	278.59	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*68.72*	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	329.25	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*86.99*	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	371.19	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*100.91*	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	440.99	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*128.75*	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	531.65	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*167.02*	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	637.97	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*213.12*	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	678.19	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*226.17*	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.16	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	163.77	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	222.58	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	415.06	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	513.29	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	613.10	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	800.04	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	941.76	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*113.01*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	250.02	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	280.22	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	349.62	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	552.68	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	661.50	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	771.90	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	969.42	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,118.20	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*113.01*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	291.93	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	334.06	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	392.39	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	418.97	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	475.21	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	544.84	

08 05 13 00-0040 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	105.81	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	261.00	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	119.92	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	211.64	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	35.27	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	388.03	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	246.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	261.00	
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	119.92	
08 05 13 00-0050		Door Modifications *(08 05 13)*		
08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	112.98	
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	26.85	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	127.04	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	63.83	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,531.27	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door	119.98	
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame	235.26	
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame	141.85	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	92.21	

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*
Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	6,466.20	907.95
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	6,740.75	907.95
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	7,187.21	907.95
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	7,686.93	907.95

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*
Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	780.60	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*85.33*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*68.26*	
		For Baked Enamel Finish, Add	*202.42*	
		For 18 Gauge Frame, Deduct	*-56.89*	
		For 14 Gauge Frame, Add	*142.22*	
		For 12 Gauge Frame, Add	*216.17*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	910.13	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*101.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*81.27*	
		For Baked Enamel Finish, Add	*238.10*	
		For 18 Gauge Frame, Deduct	*-67.72*	
		For 14 Gauge Frame, Add	*169.31*	
		For 12 Gauge Frame, Add	*257.35*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	935.09	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.21*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*82.57*	
		For Baked Enamel Finish, Add	*243.47*	
		For 18 Gauge Frame, Deduct	*-68.81*	
		For 14 Gauge Frame, Add	*172.02*	
		For 12 Gauge Frame, Add	*261.47*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	956.26	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.21*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*82.57*	
		For Baked Enamel Finish, Add	*246.65*	
		For 18 Gauge Frame, Deduct	*-68.81*	
		For 14 Gauge Frame, Add	*172.02*	
		For 12 Gauge Frame, Add	*261.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	974.15	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*104.84*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*83.87*	
		For Baked Enamel Finish, Add	*250.96*	
		For 18 Gauge Frame, Deduct	*-69.89*	
		For 14 Gauge Frame, Add	*174.73*	
		For 12 Gauge Frame, Add	*265.58*	
		For Type 304 Stainless Steel Frame, Add	*1,271.78*	
		For Type 316 Stainless Steel Frame, Add	*1,481.45*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	992.05	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*106.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*85.17*	
		For Baked Enamel Finish, Add	*255.27*	
		For 18 Gauge Frame, Deduct	*-70.97*	
		For 14 Gauge Frame, Add	*177.44*	
		For 12 Gauge Frame, Add	*269.70*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,054.93	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.02*	
		For Baked Enamel Finish, Add	*272.01*	
		For 18 Gauge Frame, Deduct	*-75.85*	
		For 14 Gauge Frame, Add	*189.63*	
		For 12 Gauge Frame, Add	*288.23*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,069.05	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.02*	
		For Baked Enamel Finish, Add	*274.13*	
		For 18 Gauge Frame, Deduct	*-75.85*	
		For 14 Gauge Frame, Add	*189.63*	
		For 12 Gauge Frame, Add	*288.23*	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,110.25	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*117.84*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.27*	
		For Baked Enamel Finish, Add	*284.38*	
		For 18 Gauge Frame, Deduct	*-78.56*	
		For 14 Gauge Frame, Add	*196.40*	
		For 12 Gauge Frame, Add	*298.52*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,151.46	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*97.52*	
		For Baked Enamel Finish, Add	*294.62*	
		For 18 Gauge Frame, Deduct	*-81.27*	
		For 14 Gauge Frame, Add	*203.17*	
		For 12 Gauge Frame, Add	*308.82*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,165.57	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*97.52*	
		For Baked Enamel Finish, Add	*296.74*	
		For 18 Gauge Frame, Deduct	*-81.27*	
		For 14 Gauge Frame, Add	*203.17*	
		For 12 Gauge Frame, Add	*308.82*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,186.17	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*99.15*	
		For Baked Enamel Finish, Add	*301.86*	
		For 18 Gauge Frame, Deduct	*-82.62*	
		For 14 Gauge Frame, Add	*206.56*	
		For 12 Gauge Frame, Add	*313.96*	
		For Type 304 Stainless Steel Frame, Add	*1,505.19*	
		For Type 316 Stainless Steel Frame, Add	*1,753.06*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,206.78	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.97*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*100.77*	
		For Baked Enamel Finish, Add	*306.98*	
		For 18 Gauge Frame, Deduct	*-83.98*	
		For 14 Gauge Frame, Add	*209.94*	
		For 12 Gauge Frame, Add	*319.11*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,268.01	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.09*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*107.27*	
		For Baked Enamel Finish, Add	*324.29*	
		For 18 Gauge Frame, Deduct	*-89.39*	
		For 14 Gauge Frame, Add	*223.49*	
		For 12 Gauge Frame, Add	*339.70*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,329.24	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*142.22*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*113.77*	
		For Baked Enamel Finish, Add	*341.60*	
		For 18 Gauge Frame, Deduct	*-94.81*	
		For 14 Gauge Frame, Add	*237.03*	
		For 12 Gauge Frame, Add	*360.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0018		>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*		
08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	843.81	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*75.85*	
		For Baked Enamel Finish, Add	*221.38*	
		For 18 Gauge Frame, Deduct	*-63.21*	
		For 14 Gauge Frame, Add	*158.02*	
		For 12 Gauge Frame, Add	*240.19*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	985.38	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*90.30*	
		For Baked Enamel Finish, Add	*260.68*	
		For 18 Gauge Frame, Deduct	*-75.25*	
		For 14 Gauge Frame, Add	*188.12*	
		For 12 Gauge Frame, Add	*285.94*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,011.54	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Baked Enamel Finish, Add	*266.41*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,032.71	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Baked Enamel Finish, Add	*269.58*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,051.81	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*93.19*	
		For Baked Enamel Finish, Add	*274.26*	
		For 18 Gauge Frame, Deduct	*-77.66*	
		For 14 Gauge Frame, Add	*194.14*	
		For 12 Gauge Frame, Add	*295.09*	
		For Type 304 Stainless Steel Frame, Add	*1,411.57*	
		For Type 316 Stainless Steel Frame, Add	*1,644.54*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,070.91	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*118.29*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.63*	
		For Baked Enamel Finish, Add	*278.93*	
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,139.21	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Baked Enamel Finish, Add	*297.30*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,153.33	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Baked Enamel Finish, Add	*299.42*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,197.54	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*130.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*104.75*	
		For Baked Enamel Finish, Add	*310.56*	
		For 18 Gauge Frame, Deduct	*-87.29*	
		For 14 Gauge Frame, Add	*218.22*	
		For 12 Gauge Frame, Add	*331.69*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,241.75	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Baked Enamel Finish, Add	*321.71*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,255.86	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Baked Enamel Finish, Add	*323.82*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,277.97	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.70*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*110.16*	
		For Baked Enamel Finish, Add	*329.40*	
		For 18 Gauge Frame, Deduct	*-91.80*	
		For 14 Gauge Frame, Add	*229.51*	
		For 12 Gauge Frame, Add	*348.85*	
		For Type 304 Stainless Steel Frame, Add	*1,670.43*	
		For Type 316 Stainless Steel Frame, Add	*1,945.84*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,300.08	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*111.97*	
		For Baked Enamel Finish, Add	*334.97*	
		For 18 Gauge Frame, Deduct	*-93.31*	
		For 14 Gauge Frame, Add	*233.27*	
		For 12 Gauge Frame, Add	*354.57*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,367.34	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.99*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*119.19*	
		For Baked Enamel Finish, Add	*354.09*	
		For 18 Gauge Frame, Deduct	*-99.33*	
		For 14 Gauge Frame, Add	*248.32*	
		For 12 Gauge Frame, Add	*377.44*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,434.59	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*126.42*	
		For Baked Enamel Finish, Add	*373.21*	
		For 18 Gauge Frame, Deduct	*-105.35*	
		For 14 Gauge Frame, Add	*263.37*	
		For 12 Gauge Frame, Add	*400.32*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	843.81	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*75.85*	
		For Baked Enamel Finish, Add	*221.38*	
		For 18 Gauge Frame, Deduct	*-63.21*	
		For 14 Gauge Frame, Add	*158.02*	
		For 12 Gauge Frame, Add	*240.19*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	985.38	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*90.30*	
		For Baked Enamel Finish, Add	*260.68*	
		For 18 Gauge Frame, Deduct	*-75.25*	
		For 14 Gauge Frame, Add	*188.12*	
		For 12 Gauge Frame, Add	*285.94*	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,011.54	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Baked Enamel Finish, Add	*266.41*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,032.71	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Baked Enamel Finish, Add	*269.58*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,051.81	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*93.19*	
		For Baked Enamel Finish, Add	*274.26*	
		For 18 Gauge Frame, Deduct	*-77.66*	
		For 14 Gauge Frame, Add	*194.14*	
		For 12 Gauge Frame, Add	*295.09*	
		For Type 304 Stainless Steel Frame, Add	*1,411.57*	
		For Type 316 Stainless Steel Frame, Add	*1,644.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,070.91	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*118.29*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.63*	
		For Baked Enamel Finish, Add	*278.93*	
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,139.21	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Baked Enamel Finish, Add	*297.30*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,153.33	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Baked Enamel Finish, Add	*299.42*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,197.53	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*130.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*104.74*	
		For Baked Enamel Finish, Add	*310.56*	
		For 18 Gauge Frame, Deduct	*-87.29*	
		For 14 Gauge Frame, Add	*218.22*	
		For 12 Gauge Frame, Add	*331.69*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,241.75	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Baked Enamel Finish, Add	*321.71*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,255.86	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Baked Enamel Finish, Add	*323.82*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,277.97	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.70*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*110.16*	
		For Baked Enamel Finish, Add	*329.40*	
		For 18 Gauge Frame, Deduct	*-91.80*	
		For 14 Gauge Frame, Add	*229.51*	
		For 12 Gauge Frame, Add	*348.85*	
		For Type 304 Stainless Steel Frame, Add	*1,670.43*	
		For Type 316 Stainless Steel Frame, Add	*1,945.84*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,300.08	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*111.97*	
		For Baked Enamel Finish, Add	*334.97*	
		For 18 Gauge Frame, Deduct	*-93.31*	
		For 14 Gauge Frame, Add	*233.27*	
		For 12 Gauge Frame, Add	*354.57*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,367.34	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.99*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*119.19*	
		For Baked Enamel Finish, Add	*354.09*	
		For 18 Gauge Frame, Deduct	*-99.33*	
		For 14 Gauge Frame, Add	*248.32*	
		For 12 Gauge Frame, Add	*377.44*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,434.59	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*126.42*	
		For Baked Enamel Finish, Add	*373.21*	
		For 18 Gauge Frame, Deduct	*-105.35*	
		For 14 Gauge Frame, Add	*263.37*	
		For 12 Gauge Frame, Add	*400.32*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	914.04	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*105.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*84.28*	
		For Baked Enamel Finish, Add	*242.45*	
		For 18 Gauge Frame, Deduct	*-70.23*	
		For 14 Gauge Frame, Add	*175.58*	
		For 12 Gauge Frame, Add	*266.88*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,068.99	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.41*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*100.33*	
		For Baked Enamel Finish, Add	*285.76*	
		For 18 Gauge Frame, Deduct	*-83.61*	
		For 14 Gauge Frame, Add	*209.02*	
		For 12 Gauge Frame, Add	*317.71*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,096.48	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*127.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.94*	
		For Baked Enamel Finish, Add	*291.89*	
		For 18 Gauge Frame, Deduct	*-84.95*	
		For 14 Gauge Frame, Add	*212.37*	
		For 12 Gauge Frame, Add	*322.79*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,117.65	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*127.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.94*	
		For Baked Enamel Finish, Add	*295.07*	
		For 18 Gauge Frame, Deduct	*-84.95*	
		For 14 Gauge Frame, Add	*212.37*	
		For 12 Gauge Frame, Add	*322.79*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,138.09	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*103.54*	
		For Baked Enamel Finish, Add	*300.14*	
		For 18 Gauge Frame, Deduct	*-86.28*	
		For 14 Gauge Frame, Add	*215.71*	
		For 12 Gauge Frame, Add	*327.88*	
		For Type 304 Stainless Steel Frame, Add	*1,566.87*	
		For Type 316 Stainless Steel Frame, Add	*1,825.73*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,158.53	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*131.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*105.15*	
		For Baked Enamel Finish, Add	*305.21*	
		For 18 Gauge Frame, Deduct	*-87.62*	
		For 14 Gauge Frame, Add	*219.06*	
		For 12 Gauge Frame, Add	*332.96*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,232.85	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*140.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*112.37*	
		For Baked Enamel Finish, Add	*325.39*	
		For 18 Gauge Frame, Deduct	*-93.64*	
		For 14 Gauge Frame, Add	*234.11*	
		For 12 Gauge Frame, Add	*355.84*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,246.97	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*140.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*112.37*	
		For Baked Enamel Finish, Add	*327.51*	
		For 18 Gauge Frame, Deduct	*-93.64*	
		For 14 Gauge Frame, Add	*234.11*	
		For 12 Gauge Frame, Add	*355.84*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,294.52	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*145.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*116.38*	
		For Baked Enamel Finish, Add	*339.66*	
		For 18 Gauge Frame, Deduct	*-96.99*	
		For 14 Gauge Frame, Add	*242.47*	
		For 12 Gauge Frame, Add	*368.55*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,342.08	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.40*	
		For Baked Enamel Finish, Add	*351.81*	
		For 18 Gauge Frame, Deduct	*-100.33*	
		For 14 Gauge Frame, Add	*250.83*	
		For 12 Gauge Frame, Add	*381.25*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,356.19	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.40*	
		For Baked Enamel Finish, Add	*353.92*	
		For 18 Gauge Frame, Deduct	*-100.33*	
		For 14 Gauge Frame, Add	*250.83*	
		For 12 Gauge Frame, Add	*381.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,379.98	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*153.00*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*122.40*	
		For Baked Enamel Finish, Add	*360.00*	
		For 18 Gauge Frame, Deduct	*-102.00*	
		For 14 Gauge Frame, Add	*255.01*	
		For 12 Gauge Frame, Add	*387.61*	
		For Type 304 Stainless Steel Frame, Add	*1,854.05*	
		For Type 316 Stainless Steel Frame, Add	*2,160.06*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,403.76	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*155.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*124.41*	
		For Baked Enamel Finish, Add	*366.08*	
		For 18 Gauge Frame, Deduct	*-103.68*	
		For 14 Gauge Frame, Add	*259.19*	
		For 12 Gauge Frame, Add	*393.97*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,477.71	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*132.44*	
		For Baked Enamel Finish, Add	*387.20*	
		For 18 Gauge Frame, Deduct	*-110.36*	
		For 14 Gauge Frame, Add	*275.91*	
		For 12 Gauge Frame, Add	*419.38*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,551.64	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*175.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*140.46*	
		For Baked Enamel Finish, Add	*408.32*	
		For 18 Gauge Frame, Deduct	*-117.05*	
		For 14 Gauge Frame, Add	*292.63*	
		For 12 Gauge Frame, Add	*444.80*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,212.39	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.10*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.08*	
		For Baked Enamel Finish, Add	*331.96*	
		For 18 Gauge Frame, Deduct	*-100.07*	
		For 14 Gauge Frame, Add	*250.17*	
		For 12 Gauge Frame, Add	*380.25*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,424.16	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*178.69*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*142.95*	
		For Baked Enamel Finish, Add	*392.31*	
		For 18 Gauge Frame, Deduct	*-119.13*	
		For 14 Gauge Frame, Add	*297.82*	
		For 12 Gauge Frame, Add	*452.68*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,457.34	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*145.24*	
		For Baked Enamel Finish, Add	*400.15*	
		For 18 Gauge Frame, Deduct	*-121.03*	
		For 14 Gauge Frame, Add	*302.58*	
		For 12 Gauge Frame, Add	*459.92*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,478.51	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*145.24*	
		For Baked Enamel Finish, Add	*403.32*	
		For 18 Gauge Frame, Deduct	*-121.03*	
		For 14 Gauge Frame, Add	*302.58*	
		For 12 Gauge Frame, Add	*459.92*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,504.63	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.41*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*147.53*	
		For Baked Enamel Finish, Add	*410.10*	
		For 18 Gauge Frame, Deduct	*-122.94*	
		For 14 Gauge Frame, Add	*307.35*	
		For 12 Gauge Frame, Add	*467.16*	
		For Type 304 Stainless Steel Frame, Add	*2,226.65*	
		For Type 316 Stainless Steel Frame, Add	*2,595.46*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,530.75	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.27*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*149.81*	
		For Baked Enamel Finish, Add	*416.88*	
		For 18 Gauge Frame, Deduct	*-124.84*	
		For 14 Gauge Frame, Add	*312.11*	
		For 12 Gauge Frame, Add	*474.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,630.64	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*200.13*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.11*	
		For Baked Enamel Finish, Add	*444.73*	
		For 18 Gauge Frame, Deduct	*-133.42*	
		For 14 Gauge Frame, Add	*333.55*	
		For 12 Gauge Frame, Add	*507.00*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,644.76	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*200.13*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.11*	
		For Baked Enamel Finish, Add	*446.85*	
		For 18 Gauge Frame, Deduct	*-133.42*	
		For 14 Gauge Frame, Add	*333.55*	
		For 12 Gauge Frame, Add	*507.00*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,706.52	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.28*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*165.82*	
		For Baked Enamel Finish, Add	*463.26*	
		For 18 Gauge Frame, Deduct	*-138.19*	
		For 14 Gauge Frame, Add	*345.47*	
		For 12 Gauge Frame, Add	*525.11*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,768.29	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*171.54*	
		For Baked Enamel Finish, Add	*479.67*	
		For 18 Gauge Frame, Deduct	*-142.95*	
		For 14 Gauge Frame, Add	*357.38*	
		For 12 Gauge Frame, Add	*543.21*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,782.40	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*171.54*	
		For Baked Enamel Finish, Add	*481.79*	
		For 18 Gauge Frame, Deduct	*-142.95*	
		For 14 Gauge Frame, Add	*357.38*	
		For 12 Gauge Frame, Add	*543.21*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,813.28	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*218.00*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*174.40*	
		For Baked Enamel Finish, Add	*489.99*	
		For 18 Gauge Frame, Deduct	*-145.33*	
		For 14 Gauge Frame, Add	*363.33*	
		For 12 Gauge Frame, Add	*552.27*	
		For Type 304 Stainless Steel Frame, Add	*2,633.99*	
		For Type 316 Stainless Steel Frame, Add	*3,069.99*	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,844.17	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*221.57*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.26*	
		For Baked Enamel Finish, Add	*498.20*	
		For 18 Gauge Frame, Deduct	*-147.72*	
		For 14 Gauge Frame, Add	*369.29*	
		For 12 Gauge Frame, Add	*561.32*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,946.52	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*235.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*188.69*	
		For Baked Enamel Finish, Add	*527.85*	
		For 18 Gauge Frame, Deduct	*-157.25*	
		For 14 Gauge Frame, Add	*393.11*	
		For 12 Gauge Frame, Add	*597.53*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,048.88	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Baked Enamel Finish, Add	*557.50*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,323.57	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*166.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*133.42*	
		For Baked Enamel Finish, Add	*365.31*	
		For 18 Gauge Frame, Deduct	*-111.18*	
		For 14 Gauge Frame, Add	*277.96*	
		For 12 Gauge Frame, Add	*422.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,556.52	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.54*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*158.83*	
		For Baked Enamel Finish, Add	*432.02*	
		For 18 Gauge Frame, Deduct	*-132.36*	
		For 14 Gauge Frame, Add	*330.91*	
		For 12 Gauge Frame, Add	*502.98*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,591.82	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.72*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.38*	
		For Baked Enamel Finish, Add	*440.49*	
		For 18 Gauge Frame, Deduct	*-134.48*	
		For 14 Gauge Frame, Add	*336.20*	
		For 12 Gauge Frame, Add	*511.02*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,612.99	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.72*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.38*	
		For Baked Enamel Finish, Add	*443.67*	
		For 18 Gauge Frame, Deduct	*-134.48*	
		For 14 Gauge Frame, Add	*336.20*	
		For 12 Gauge Frame, Add	*511.02*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,641.22	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.92*	
		For Baked Enamel Finish, Add	*451.08*	
		For 18 Gauge Frame, Deduct	*-136.60*	
		For 14 Gauge Frame, Add	*341.49*	
		For 12 Gauge Frame, Add	*519.07*	
		For Type 304 Stainless Steel Frame, Add	*2,472.51*	
		For Type 316 Stainless Steel Frame, Add	*2,882.30*	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,669.46	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*208.07*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*166.46*	
		For Baked Enamel Finish, Add	*458.49*	
		For 18 Gauge Frame, Deduct	*-138.72*	
		For 14 Gauge Frame, Add	*346.79*	
		For 12 Gauge Frame, Add	*527.12*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,778.88	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.37*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.89*	
		For Baked Enamel Finish, Add	*489.20*	
		For 18 Gauge Frame, Deduct	*-148.25*	
		For 14 Gauge Frame, Add	*370.61*	
		For 12 Gauge Frame, Add	*563.33*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,793.00	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.37*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.89*	
		For Baked Enamel Finish, Add	*491.32*	
		For 18 Gauge Frame, Deduct	*-148.25*	
		For 14 Gauge Frame, Add	*370.61*	
		For 12 Gauge Frame, Add	*563.33*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,860.06	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.31*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.25*	
		For Baked Enamel Finish, Add	*509.32*	
		For 18 Gauge Frame, Deduct	*-153.54*	
		For 14 Gauge Frame, Add	*383.85*	
		For 12 Gauge Frame, Add	*583.45*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,927.12	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.60*	
		For Baked Enamel Finish, Add	*527.32*	
		For 18 Gauge Frame, Deduct	*-158.83*	
		For 14 Gauge Frame, Add	*397.09*	
		For 12 Gauge Frame, Add	*603.57*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,941.23	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.60*	
		For Baked Enamel Finish, Add	*529.44*	
		For 18 Gauge Frame, Deduct	*-158.83*	
		For 14 Gauge Frame, Add	*397.09*	
		For 12 Gauge Frame, Add	*603.57*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,974.76	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*242.22*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*193.78*	
		For Baked Enamel Finish, Add	*538.44*	
		For 18 Gauge Frame, Deduct	*-161.48*	
		For 14 Gauge Frame, Add	*403.70*	
		For 12 Gauge Frame, Add	*613.63*	
		For Type 304 Stainless Steel Frame, Add	*2,924.66*	
		For Type 316 Stainless Steel Frame, Add	*3,409.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,008.30	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*246.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*196.95*	
		For Baked Enamel Finish, Add	*547.44*	
		For 18 Gauge Frame, Deduct	*-164.13*	
		For 14 Gauge Frame, Add	*410.32*	
		For 12 Gauge Frame, Add	*623.69*	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,121.23	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*262.07*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*209.66*	
		For Baked Enamel Finish, Add	*580.26*	
		For 18 Gauge Frame, Deduct	*-174.72*	
		For 14 Gauge Frame, Add	*436.79*	
		For 12 Gauge Frame, Add	*663.92*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,234.18	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*277.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*222.37*	
		For Baked Enamel Finish, Add	*613.09*	
		For 18 Gauge Frame, Deduct	*-185.31*	
		For 14 Gauge Frame, Add	*463.27*	
		For 12 Gauge Frame, Add	*704.16*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,287.44	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*161.36*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*129.09*	
		For Baked Enamel Finish, Add	*354.47*	
		For 18 Gauge Frame, Deduct	*-107.57*	
		For 14 Gauge Frame, Add	*268.93*	
		For 12 Gauge Frame, Add	*408.77*	
		For Type 304 Stainless Steel Frame, Add	*1,946.86*	
		For Type 316 Stainless Steel Frame, Add	*2,269.58*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,513.50	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*192.09*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*153.67*	
		For Baked Enamel Finish, Add	*419.12*	
		For 18 Gauge Frame, Deduct	*-128.06*	
		For 14 Gauge Frame, Add	*320.15*	
		For 12 Gauge Frame, Add	*486.63*	
		For Type 304 Stainless Steel Frame, Add	*2,316.73*	
		For Type 316 Stainless Steel Frame, Add	*2,700.91*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,548.11	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*156.13*	
		For Baked Enamel Finish, Add	*427.38*	
		For 18 Gauge Frame, Deduct	*-130.11*	
		For 14 Gauge Frame, Add	*325.27*	
		For 12 Gauge Frame, Add	*494.41*	
		For Type 304 Stainless Steel Frame, Add	*2,354.31*	
		For Type 316 Stainless Steel Frame, Add	*2,744.64*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,569.28	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*156.13*	
		For Baked Enamel Finish, Add	*430.56*	
		For 18 Gauge Frame, Deduct	*-130.11*	
		For 14 Gauge Frame, Add	*325.27*	
		For 12 Gauge Frame, Add	*494.41*	
		For Type 304 Stainless Steel Frame, Add	*2,355.37*	
		For Type 316 Stainless Steel Frame, Add	*2,745.70*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,596.83	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*158.59*	
		For Baked Enamel Finish, Add	*437.76*	
		For 18 Gauge Frame, Deduct	*-132.16*	
		For 14 Gauge Frame, Add	*330.40*	
		For 12 Gauge Frame, Add	*502.20*	
		For Type 304 Stainless Steel Frame, Add	*2,392.61*	
		For Type 316 Stainless Steel Frame, Add	*2,789.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,624.38	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.31*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.05*	
		For Baked Enamel Finish, Add	*444.97*	
		For 18 Gauge Frame, Deduct	*-134.21*	
		For 14 Gauge Frame, Add	*335.52*	
		For 12 Gauge Frame, Add	*509.99*	
		For Type 304 Stainless Steel Frame, Add	*2,429.84*	
		For Type 316 Stainless Steel Frame, Add	*2,832.46*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,730.70	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*215.14*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*172.11*	
		For Baked Enamel Finish, Add	*474.75*	
		For 18 Gauge Frame, Deduct	*-143.43*	
		For 14 Gauge Frame, Add	*358.57*	
		For 12 Gauge Frame, Add	*545.02*	
		For Type 304 Stainless Steel Frame, Add	*2,596.51*	
		For Type 316 Stainless Steel Frame, Add	*3,026.79*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,744.82	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*215.14*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*172.11*	
		For Baked Enamel Finish, Add	*476.86*	
		For 18 Gauge Frame, Deduct	*-143.43*	
		For 14 Gauge Frame, Add	*358.57*	
		For 12 Gauge Frame, Add	*545.02*	
		For Type 304 Stainless Steel Frame, Add	*2,597.21*	
		For Type 316 Stainless Steel Frame, Add	*3,027.49*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,810.16	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.83*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.26*	
		For Baked Enamel Finish, Add	*494.35*	
		For 18 Gauge Frame, Deduct	*-148.55*	
		For 14 Gauge Frame, Add	*371.38*	
		For 12 Gauge Frame, Add	*564.49*	
		For Type 304 Stainless Steel Frame, Add	*2,690.13*	
		For Type 316 Stainless Steel Frame, Add	*3,135.78*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,875.50	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Baked Enamel Finish, Add	*511.83*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
		For Type 304 Stainless Steel Frame, Add	*2,783.04*	
		For Type 316 Stainless Steel Frame, Add	*3,244.05*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,889.61	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Baked Enamel Finish, Add	*513.95*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
		For Type 304 Stainless Steel Frame, Add	*2,783.74*	
		For Type 316 Stainless Steel Frame, Add	*3,244.76*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,922.28	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*187.48*	
		For Baked Enamel Finish, Add	*522.69*	
		For 18 Gauge Frame, Deduct	*-156.23*	
		For 14 Gauge Frame, Add	*390.58*	
		For 12 Gauge Frame, Add	*593.69*	
		For Type 304 Stainless Steel Frame, Add	*2,830.19*	
		For Type 316 Stainless Steel Frame, Add	*3,298.89*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,954.95	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.55*	
		For Baked Enamel Finish, Add	*531.43*	
		For 18 Gauge Frame, Deduct	*-158.79*	
		For 14 Gauge Frame, Add	*396.99*	
		For 12 Gauge Frame, Add	*603.42*	
		For Type 304 Stainless Steel Frame, Add	*2,876.64*	
		For Type 316 Stainless Steel Frame, Add	*3,353.02*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,064.45	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.56*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*202.85*	
		For Baked Enamel Finish, Add	*563.22*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.60*	
		For 12 Gauge Frame, Add	*642.34*	
		For Type 304 Stainless Steel Frame, Add	*3,061.39*	
		For Type 316 Stainless Steel Frame, Add	*3,568.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,173.96	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*215.14*	
		For Baked Enamel Finish, Add	*595.02*	
		For 18 Gauge Frame, Deduct	*-179.28*	
		For 14 Gauge Frame, Add	*448.21*	
		For 12 Gauge Frame, Add	*681.28*	
		For Type 304 Stainless Steel Frame, Add	*3,246.17*	
		For Type 316 Stainless Steel Frame, Add	*3,784.02*	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,406.96	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.28*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*143.43*	
		For Baked Enamel Finish, Add	*390.33*	
		For 18 Gauge Frame, Deduct	*-119.52*	
		For 14 Gauge Frame, Add	*298.81*	
		For 12 Gauge Frame, Add	*454.19*	
		For Type 304 Stainless Steel Frame, Add	*2,162.00*	
		For Type 316 Stainless Steel Frame, Add	*2,520.57*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,655.79	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*213.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*170.75*	
		For Baked Enamel Finish, Add	*461.80*	
		For 18 Gauge Frame, Deduct	*-142.29*	
		For 14 Gauge Frame, Add	*355.72*	
		For 12 Gauge Frame, Add	*540.70*	
		For Type 304 Stainless Steel Frame, Add	*2,572.85*	
		For Type 316 Stainless Steel Frame, Add	*2,999.71*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,692.67	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*216.85*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*173.48*	
		For Baked Enamel Finish, Add	*470.75*	
		For 18 Gauge Frame, Deduct	*-144.57*	
		For 14 Gauge Frame, Add	*361.41*	
		For 12 Gauge Frame, Add	*549.35*	
		For Type 304 Stainless Steel Frame, Add	*2,614.52*	
		For Type 316 Stainless Steel Frame, Add	*3,048.22*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,713.84	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*216.85*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*173.48*	
		For Baked Enamel Finish, Add	*473.92*	
		For 18 Gauge Frame, Deduct	*-144.57*	
		For 14 Gauge Frame, Add	*361.41*	
		For 12 Gauge Frame, Add	*549.35*	
		For Type 304 Stainless Steel Frame, Add	*2,615.58*	
		For Type 316 Stainless Steel Frame, Add	*3,049.27*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,743.67	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.26*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*176.21*	
		For Baked Enamel Finish, Add	*481.81*	
		For 18 Gauge Frame, Deduct	*-146.84*	
		For 14 Gauge Frame, Add	*367.11*	
		For 12 Gauge Frame, Add	*558.00*	
		For Type 304 Stainless Steel Frame, Add	*2,656.92*	
		For Type 316 Stainless Steel Frame, Add	*3,097.44*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,773.50	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*223.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.94*	
		For Baked Enamel Finish, Add	*489.70*	
		For 18 Gauge Frame, Deduct	*-149.12*	
		For 14 Gauge Frame, Add	*372.80*	
		For 12 Gauge Frame, Add	*566.65*	
		For Type 304 Stainless Steel Frame, Add	*2,698.26*	
		For Type 316 Stainless Steel Frame, Add	*3,145.61*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,890.07	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.05*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*191.24*	
		For Baked Enamel Finish, Add	*522.56*	
		For 18 Gauge Frame, Deduct	*-159.36*	
		For 14 Gauge Frame, Add	*398.41*	
		For 12 Gauge Frame, Add	*605.58*	
		For Type 304 Stainless Steel Frame, Add	*2,883.37*	
		For Type 316 Stainless Steel Frame, Add	*3,361.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,904.19	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.05*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*191.24*	
		For Baked Enamel Finish, Add	*524.67*	
		For 18 Gauge Frame, Deduct	*-159.36*	
		For 14 Gauge Frame, Add	*398.41*	
		For 12 Gauge Frame, Add	*605.58*	
		For Type 304 Stainless Steel Frame, Add	*2,884.08*	
		For Type 316 Stainless Steel Frame, Add	*3,362.17*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,975.21	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*247.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*198.07*	
		For Baked Enamel Finish, Add	*543.86*	
		For 18 Gauge Frame, Deduct	*-165.06*	
		For 14 Gauge Frame, Add	*412.64*	
		For 12 Gauge Frame, Add	*627.21*	
		For Type 304 Stainless Steel Frame, Add	*2,987.22*	
		For Type 316 Stainless Steel Frame, Add	*3,482.39*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,046.25	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.12*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*204.90*	
		For Baked Enamel Finish, Add	*563.06*	
		For 18 Gauge Frame, Deduct	*-170.75*	
		For 14 Gauge Frame, Add	*426.87*	
		For 12 Gauge Frame, Add	*648.84*	
		For Type 304 Stainless Steel Frame, Add	*3,090.39*	
		For Type 316 Stainless Steel Frame, Add	*3,602.63*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,060.36	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.12*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*204.90*	
		For Baked Enamel Finish, Add	*565.17*	
		For 18 Gauge Frame, Deduct	*-170.75*	
		For 14 Gauge Frame, Add	*426.87*	
		For 12 Gauge Frame, Add	*648.84*	
		For Type 304 Stainless Steel Frame, Add	*3,091.09*	
		For Type 316 Stainless Steel Frame, Add	*3,603.33*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,095.87	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*260.39*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*208.31*	
		For Baked Enamel Finish, Add	*574.77*	
		For 18 Gauge Frame, Deduct	*-173.59*	
		For 14 Gauge Frame, Add	*433.98*	
		For 12 Gauge Frame, Add	*659.65*	
		For Type 304 Stainless Steel Frame, Add	*3,142.65*	
		For Type 316 Stainless Steel Frame, Add	*3,663.43*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,131.39	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*264.66*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*211.73*	
		For Baked Enamel Finish, Add	*584.37*	
		For 18 Gauge Frame, Deduct	*-176.44*	
		For 14 Gauge Frame, Add	*441.10*	
		For 12 Gauge Frame, Add	*670.46*	
		For Type 304 Stainless Steel Frame, Add	*3,194.23*	
		For Type 316 Stainless Steel Frame, Add	*3,723.55*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,252.26	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.73*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*225.38*	
		For Baked Enamel Finish, Add	*619.57*	
		For 18 Gauge Frame, Deduct	*-187.82*	
		For 14 Gauge Frame, Add	*469.55*	
		For 12 Gauge Frame, Add	*713.71*	
		For Type 304 Stainless Steel Frame, Add	*3,399.45*	
		For Type 316 Stainless Steel Frame, Add	*3,962.90*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,373.16	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*298.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*239.04*	
		For Baked Enamel Finish, Add	*654.78*	
		For 18 Gauge Frame, Deduct	*-199.20*	
		For 14 Gauge Frame, Add	*498.01*	
		For 12 Gauge Frame, Add	*756.98*	
		For Type 304 Stainless Steel Frame, Add	*3,604.73*	
		For Type 316 Stainless Steel Frame, Add	*4,202.34*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,337.47	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.86*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*135.09*	
		For Baked Enamel Finish, Add	*369.48*	
		For 18 Gauge Frame, Deduct	*-112.57*	
		For 14 Gauge Frame, Add	*281.44*	
		For 12 Gauge Frame, Add	*427.78*	
		For Type 304 Stainless Steel Frame, Add	*2,036.92*	
		For Type 316 Stainless Steel Frame, Add	*2,374.64*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,573.06	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.82*	
		For Baked Enamel Finish, Add	*436.98*	
		For 18 Gauge Frame, Deduct	*-134.02*	
		For 14 Gauge Frame, Add	*335.04*	
		For 12 Gauge Frame, Add	*509.26*	
		For Type 304 Stainless Steel Frame, Add	*2,423.93*	
		For Type 316 Stainless Steel Frame, Add	*2,825.98*	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,608.63	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.39*	
		For Baked Enamel Finish, Add	*445.54*	
		For 18 Gauge Frame, Deduct	*-136.16*	
		For 14 Gauge Frame, Add	*340.40*	
		For 12 Gauge Frame, Add	*517.41*	
		For Type 304 Stainless Steel Frame, Add	*2,463.25*	
		For Type 316 Stainless Steel Frame, Add	*2,871.73*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,629.80	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.39*	
		For Baked Enamel Finish, Add	*448.71*	
		For 18 Gauge Frame, Deduct	*-136.16*	
		For 14 Gauge Frame, Add	*340.40*	
		For 12 Gauge Frame, Add	*517.41*	
		For Type 304 Stainless Steel Frame, Add	*2,464.31*	
		For Type 316 Stainless Steel Frame, Add	*2,872.79*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,658.30	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*165.97*	
		For Baked Enamel Finish, Add	*456.20*	
		For 18 Gauge Frame, Deduct	*-138.31*	
		For 14 Gauge Frame, Add	*345.76*	
		For 12 Gauge Frame, Add	*525.56*	
		For Type 304 Stainless Steel Frame, Add	*2,503.25*	
		For Type 316 Stainless Steel Frame, Add	*2,918.17*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,686.80	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*210.67*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*168.54*	
		For Baked Enamel Finish, Add	*463.69*	
		For 18 Gauge Frame, Deduct	*-140.45*	
		For 14 Gauge Frame, Add	*351.12*	
		For 12 Gauge Frame, Add	*533.71*	
		For Type 304 Stainless Steel Frame, Add	*2,542.20*	
		For Type 316 Stainless Steel Frame, Add	*2,963.54*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,797.41	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*225.15*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*180.12*	
		For Baked Enamel Finish, Add	*494.76*	
		For 18 Gauge Frame, Deduct	*-150.10*	
		For 14 Gauge Frame, Add	*375.25*	
		For 12 Gauge Frame, Add	*570.37*	
		For Type 304 Stainless Steel Frame, Add	*2,716.59*	
		For Type 316 Stainless Steel Frame, Add	*3,166.88*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,811.53	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*225.15*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*180.12*	
		For Baked Enamel Finish, Add	*496.88*	
		For 18 Gauge Frame, Deduct	*-150.10*	
		For 14 Gauge Frame, Add	*375.25*	
		For 12 Gauge Frame, Add	*570.37*	
		For Type 304 Stainless Steel Frame, Add	*2,717.29*	
		For Type 316 Stainless Steel Frame, Add	*3,167.59*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,879.25	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*233.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*186.55*	
		For Baked Enamel Finish, Add	*515.08*	
		For 18 Gauge Frame, Deduct	*-155.46*	
		For 14 Gauge Frame, Add	*388.65*	
		For 12 Gauge Frame, Add	*590.74*	
		For Type 304 Stainless Steel Frame, Add	*2,814.50*	
		For Type 316 Stainless Steel Frame, Add	*3,280.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,946.98	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.23*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*192.98*	
		For Baked Enamel Finish, Add	*533.28*	
		For 18 Gauge Frame, Deduct	*-160.82*	
		For 14 Gauge Frame, Add	*402.05*	
		For 12 Gauge Frame, Add	*611.12*	
		For Type 304 Stainless Steel Frame, Add	*2,911.70*	
		For Type 316 Stainless Steel Frame, Add	*3,394.16*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,961.09	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.23*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*192.98*	
		For Baked Enamel Finish, Add	*535.39*	
		For 18 Gauge Frame, Deduct	*-160.82*	
		For 14 Gauge Frame, Add	*402.05*	
		For 12 Gauge Frame, Add	*611.12*	
		For Type 304 Stainless Steel Frame, Add	*2,912.40*	
		For Type 316 Stainless Steel Frame, Add	*3,394.86*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,994.95	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*196.20*	
		For Baked Enamel Finish, Add	*544.49*	
		For 18 Gauge Frame, Deduct	*-163.50*	
		For 14 Gauge Frame, Add	*408.75*	
		For 12 Gauge Frame, Add	*621.30*	
		For Type 304 Stainless Steel Frame, Add	*2,961.00*	
		For Type 316 Stainless Steel Frame, Add	*3,451.50*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,028.81	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.27*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*199.42*	
		For Baked Enamel Finish, Add	*553.59*	
		For 18 Gauge Frame, Deduct	*-166.18*	
		For 14 Gauge Frame, Add	*415.45*	
		For 12 Gauge Frame, Add	*631.48*	
		For Type 304 Stainless Steel Frame, Add	*3,009.59*	
		For Type 316 Stainless Steel Frame, Add	*3,508.13*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,143.07	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*265.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*212.28*	
		For Baked Enamel Finish, Add	*586.81*	
		For 18 Gauge Frame, Deduct	*-176.90*	
		For 14 Gauge Frame, Add	*442.25*	
		For 12 Gauge Frame, Add	*672.22*	
		For Type 304 Stainless Steel Frame, Add	*3,202.90*	
		For Type 316 Stainless Steel Frame, Add	*3,733.60*	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,257.35	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*225.15*	
		For Baked Enamel Finish, Add	*620.04*	
		For 18 Gauge Frame, Deduct	*-187.62*	
		For 14 Gauge Frame, Add	*469.06*	
		For 12 Gauge Frame, Add	*712.97*	
		For Type 304 Stainless Steel Frame, Add	*3,396.27*	
		For Type 316 Stainless Steel Frame, Add	*3,959.14*	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,462.55	105.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.62*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*150.10*	
		For Baked Enamel Finish, Add	*407.01*	
		For 18 Gauge Frame, Deduct	*-125.08*	
		For 14 Gauge Frame, Add	*312.71*	
		For 12 Gauge Frame, Add	*475.31*	
		For Type 304 Stainless Steel Frame, Add	*2,262.06*	
		For Type 316 Stainless Steel Frame, Add	*2,637.31*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,721.97	116.45
		For Auxiliary Frame Reinforcement For Hinges, Add	*223.36*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.69*	
		For Baked Enamel Finish, Add	*481.66*	
		For 18 Gauge Frame, Deduct	*-148.91*	
		For 14 Gauge Frame, Add	*372.27*	
		For 12 Gauge Frame, Add	*565.85*	
		For Type 304 Stainless Steel Frame, Add	*2,691.97*	
		For Type 316 Stainless Steel Frame, Add	*3,138.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,759.91	123.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*226.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*181.55*	
		For Baked Enamel Finish, Add	*490.92*	
		For 18 Gauge Frame, Deduct	*-151.29*	
		For 14 Gauge Frame, Add	*378.22*	
		For 12 Gauge Frame, Add	*574.90*	
		For Type 304 Stainless Steel Frame, Add	*2,735.55*	
		For Type 316 Stainless Steel Frame, Add	*3,189.42*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,781.08	134.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*226.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*181.55*	
		For Baked Enamel Finish, Add	*494.10*	
		For 18 Gauge Frame, Deduct	*-151.29*	
		For 14 Gauge Frame, Add	*378.22*	
		For 12 Gauge Frame, Add	*574.90*	
		For Type 304 Stainless Steel Frame, Add	*2,736.61*	
		For Type 316 Stainless Steel Frame, Add	*3,190.48*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,811.97	137.62
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Baked Enamel Finish, Add	*502.30*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
		For Type 304 Stainless Steel Frame, Add	*2,779.86*	
		For Type 316 Stainless Steel Frame, Add	*3,240.87*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,842.86	141.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.08*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*187.27*	
		For Baked Enamel Finish, Add	*510.51*	
		For 18 Gauge Frame, Deduct	*-156.06*	
		For 14 Gauge Frame, Add	*390.14*	
		For 12 Gauge Frame, Add	*593.01*	
		For Type 304 Stainless Steel Frame, Add	*2,823.11*	
		For Type 316 Stainless Steel Frame, Add	*3,291.27*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,964.19	148.21
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Baked Enamel Finish, Add	*544.79*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	
		For Type 304 Stainless Steel Frame, Add	*3,016.79*	
		For Type 316 Stainless Steel Frame, Add	*3,517.12*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,978.31	155.27
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Baked Enamel Finish, Add	*546.91*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	
		For Type 304 Stainless Steel Frame, Add	*3,017.50*	
		For Type 316 Stainless Steel Frame, Add	*3,517.82*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,051.98	162.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*259.10*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*207.28*	
		For Baked Enamel Finish, Add	*566.90*	
		For 18 Gauge Frame, Deduct	*-172.73*	
		For 14 Gauge Frame, Add	*431.83*	
		For 12 Gauge Frame, Add	*656.38*	
		For Type 304 Stainless Steel Frame, Add	*3,125.41*	
		For Type 316 Stainless Steel Frame, Add	*3,643.61*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,125.66	169.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.03*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*214.43*	
		For Baked Enamel Finish, Add	*586.88*	
		For 18 Gauge Frame, Deduct	*-178.69*	
		For 14 Gauge Frame, Add	*446.72*	
		For 12 Gauge Frame, Add	*679.01*	
		For Type 304 Stainless Steel Frame, Add	*3,233.32*	
		For Type 316 Stainless Steel Frame, Add	*3,769.39*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,139.77	176.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.03*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*214.43*	
		For Baked Enamel Finish, Add	*589.00*	
		For 18 Gauge Frame, Deduct	*-178.69*	
		For 14 Gauge Frame, Add	*446.72*	
		For 12 Gauge Frame, Add	*679.01*	
		For Type 304 Stainless Steel Frame, Add	*3,234.03*	
		For Type 316 Stainless Steel Frame, Add	*3,770.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,176.62	179.97
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*218.00*	
		For Baked Enamel Finish, Add	*598.99*	
		For 18 Gauge Frame, Deduct	*-181.67*	
		For 14 Gauge Frame, Add	*454.17*	
		For 12 Gauge Frame, Add	*690.33*	
		For Type 304 Stainless Steel Frame, Add	*3,288.00*	
		For Type 316 Stainless Steel Frame, Add	*3,833.00*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,213.46	183.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*276.97*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*221.57*	
		For Baked Enamel Finish, Add	*608.99*	
		For 18 Gauge Frame, Deduct	*-184.65*	
		For 14 Gauge Frame, Add	*461.61*	
		For 12 Gauge Frame, Add	*701.65*	
		For Type 304 Stainless Steel Frame, Add	*3,341.96*	
		For Type 316 Stainless Steel Frame, Add	*3,895.90*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,339.62	187.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*294.83*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*235.87*	
		For Baked Enamel Finish, Add	*645.78*	
		For 18 Gauge Frame, Deduct	*-196.56*	
		For 14 Gauge Frame, Add	*491.39*	
		For 12 Gauge Frame, Add	*746.91*	
		For Type 304 Stainless Steel Frame, Add	*3,556.69*	
		For Type 316 Stainless Steel Frame, Add	*4,146.36*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,465.82	190.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*312.71*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*250.16*	
		For Baked Enamel Finish, Add	*682.58*	
		For 18 Gauge Frame, Deduct	*-208.47*	
		For 14 Gauge Frame, Add	*521.18*	
		For 12 Gauge Frame, Add	*792.19*	
		For Type 304 Stainless Steel Frame, Add	*3,771.52*	
		For Type 316 Stainless Steel Frame, Add	*4,396.93*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	140.76	19.76
		For Movable Frame, Add	*28.15*	
		For 18 Gauge Frame, Deduct	*-10.12*	
		For 14 Gauge Frame, Add	*25.31*	
		For 12 Gauge Frame, Add	*38.47*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	147.15	20.47
		For Movable Frame, Add	*29.43*	
		For 18 Gauge Frame, Deduct	*-10.62*	
		For 14 Gauge Frame, Add	*26.56*	
		For 12 Gauge Frame, Add	*40.36*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	153.92	21.17
		For Movable Frame, Add	*30.78*	
		For 18 Gauge Frame, Deduct	*-11.16*	
		For 14 Gauge Frame, Add	*27.89*	
		For 12 Gauge Frame, Add	*42.40*	

08 12 13 13-0171 Operable Steel Transom Sash *(08 12 13 13-0166)*

Note: Includes hardware.

08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	209.15	19.76
		For 18 Gauge Frame, Deduct	*-16.96*	
		For 14 Gauge Frame, Add	*42.41*	
		For 12 Gauge Frame, Add	*64.46*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	219.06	20.47
		For 18 Gauge Frame, Deduct	*-17.81*	
		For 14 Gauge Frame, Add	*44.53*	
		For 12 Gauge Frame, Add	*67.69*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	229.37	21.17
		For 18 Gauge Frame, Deduct	*-18.70*	
		For 14 Gauge Frame, Add	*46.76*	
		For 12 Gauge Frame, Add	*71.07*	

08 12 13 13-0175 Sidelights, Steel Frame *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	148.30	19.76
		For 18 Gauge Frame, Deduct	*-10.88*	
		For 14 Gauge Frame, Add	*27.20*	
		For 12 Gauge Frame, Add	*41.34*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	155.17	20.47
		For 18 Gauge Frame, Deduct	*-11.42*	
		For 14 Gauge Frame, Add	*28.56*	
		For 12 Gauge Frame, Add	*43.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	162.27	21.17
		For 18 Gauge Frame, Deduct	*-11.99*	
		For 14 Gauge Frame, Add	*29.98*	
		For 12 Gauge Frame, Add	*45.57*	

08 12 13 13-0179 Sundry Hollow Metal Frame Sections *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions *(08 12 13 13-0179)*

08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.00	7.90
		For 18 Gauge Frame, Deduct	*-1.81*	
		For 14 Gauge Frame, Add	*4.53*	
		For 12 Gauge Frame, Add	*6.89*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.73	7.90
		For 18 Gauge Frame, Deduct	*-1.89*	
		For 14 Gauge Frame, Add	*4.71*	
		For 12 Gauge Frame, Add	*7.16*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.58	8.19
		For 18 Gauge Frame, Deduct	*-1.81*	
		For 14 Gauge Frame, Add	*4.53*	
		For 12 Gauge Frame, Add	*6.89*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.71	8.19
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.81*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.93	8.33
		For 18 Gauge Frame, Deduct	*-1.90*	
		For 14 Gauge Frame, Add	*4.76*	
		For 12 Gauge Frame, Add	*7.23*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.37	8.33
		For 18 Gauge Frame, Deduct	*-1.95*	
		For 14 Gauge Frame, Add	*4.87*	
		For 12 Gauge Frame, Add	*7.39*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails *(08 12 13 13-0179)*

08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.94	7.90
		For 18 Gauge Frame, Deduct	*-0.91*	
		For 14 Gauge Frame, Add	*2.27*	
		For 12 Gauge Frame, Add	*3.44*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.86	7.90
		For 18 Gauge Frame, Deduct	*-1.00*	
		For 14 Gauge Frame, Add	*2.50*	
		For 12 Gauge Frame, Add	*3.79*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.52	8.19
		For 18 Gauge Frame, Deduct	*-0.91*	
		For 14 Gauge Frame, Add	*2.27*	
		For 12 Gauge Frame, Add	*3.44*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.44	8.19
		For 18 Gauge Frame, Deduct	*-1.00*	
		For 14 Gauge Frame, Add	*2.50*	
		For 12 Gauge Frame, Add	*3.79*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.42	8.33
		For 18 Gauge Frame, Deduct	*-0.95*	
		For 14 Gauge Frame, Add	*2.38*	
		For 12 Gauge Frame, Add	*3.61*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	31.23	8.33
		For 18 Gauge Frame, Deduct	*-1.03*	
		For 14 Gauge Frame, Add	*2.58*	
		For 12 Gauge Frame, Add	*3.92*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0195	EA	For 1' Extension Of New Door Frame	32.52	

08 12 19 Stainless-Steel Frames *(08 12)*

08 12 19 00-0001		4-3/4" To 6" Deep Frame, 14 Gauge, Type 304 Stainless Steel Single Door Frame *(08 12 19)* Note: Excludes center mullion.		
08 12 19 00-0002	EA	2'-6" x 7'-0", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,476.00	105.86
		For 12 Gauge Frame, Add	*679.93*	
		For 16 Gauge Frame, Deduct	*-197.18*	
		For 18 Gauge Frame, Deduct	*-258.37*	
		For Seamless Welded Frame, Add	*448.75*	
		For 316 Stainless Steel Frame, Add	*836.31*	
08 12 19 00-0003	EA	3' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,574.82	155.27
		For 12 Gauge Frame, Add	*690.80*	
		For 16 Gauge Frame, Deduct	*-200.33*	
		For 18 Gauge Frame, Deduct	*-262.50*	
		For Seamless Welded Frame, Add	*455.93*	
		For 316 Stainless Steel Frame, Add	*849.68*	
08 12 19 00-0004	EA	3'-6" x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,609.36	155.27
		For 12 Gauge Frame, Add	*700.82*	
		For 16 Gauge Frame, Deduct	*-203.24*	
		For 18 Gauge Frame, Deduct	*-266.31*	
		For Seamless Welded Frame, Add	*462.54*	
		For 316 Stainless Steel Frame, Add	*862.00*	
08 12 19 00-0005	EA	4' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,608.08	155.27
		For 12 Gauge Frame, Add	*700.44*	
		For 16 Gauge Frame, Deduct	*-203.13*	
		For 18 Gauge Frame, Deduct	*-266.17*	
		For Seamless Welded Frame, Add	*462.29*	
		For 316 Stainless Steel Frame, Add	*861.55*	
08 12 19 00-0006	EA	3' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,918.31	162.33
		For 12 Gauge Frame, Add	*787.87*	
		For 16 Gauge Frame, Deduct	*-228.48*	
		For 18 Gauge Frame, Deduct	*-299.39*	
		For Seamless Welded Frame, Add	*519.99*	
		For 316 Stainless Steel Frame, Add	*969.08*	
08 12 19 00-0007	EA	3'-6" x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,956.94	162.33
		For 12 Gauge Frame, Add	*799.07*	
		For 16 Gauge Frame, Deduct	*-231.73*	
		For 18 Gauge Frame, Deduct	*-303.65*	
		For Seamless Welded Frame, Add	*527.39*	
		For 316 Stainless Steel Frame, Add	*982.86*	
08 12 19 00-0008	EA	4' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,772.53	165.86
		For 12 Gauge Frame, Add	*744.32*	
		For 16 Gauge Frame, Deduct	*-215.85*	
		For 18 Gauge Frame, Deduct	*-282.84*	
		For Seamless Welded Frame, Add	*491.25*	
		For 316 Stainless Steel Frame, Add	*915.52*	
08 12 19 00-0009	EA	5' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,246.52	169.38
		For 12 Gauge Frame, Add	*880.51*	
		For 16 Gauge Frame, Deduct	*-255.35*	
		For 18 Gauge Frame, Deduct	*-334.59*	
		For Seamless Welded Frame, Add	*581.14*	
		For 316 Stainless Steel Frame, Add	*1,083.03*	
08 12 19 00-0010	EA	6' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,274.75	183.50
		For 12 Gauge Frame, Add	*883.62*	
		For 16 Gauge Frame, Deduct	*-256.25*	
		For 18 Gauge Frame, Deduct	*-335.77*	
		For Seamless Welded Frame, Add	*583.19*	
		For 316 Stainless Steel Frame, Add	*1,086.85*	
08 12 19 00-0011	EA	7' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,405.89	187.03
		For 12 Gauge Frame, Add	*920.38*	
		For 16 Gauge Frame, Deduct	*-266.91*	
		For 18 Gauge Frame, Deduct	*-349.74*	
		For Seamless Welded Frame, Add	*607.45*	
		For 316 Stainless Steel Frame, Add	*1,132.06*	
08 12 19 00-0012	EA	5' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,403.90	176.44
		For 12 Gauge Frame, Add	*923.61*	
		For 16 Gauge Frame, Deduct	*-267.85*	
		For 18 Gauge Frame, Deduct	*-350.97*	
		For Seamless Welded Frame, Add	*609.58*	
		For 316 Stainless Steel Frame, Add	*1,136.04*	
08 12 19 00-0013	EA	6' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,425.08	187.03
		For 12 Gauge Frame, Add	*925.94*	
		For 16 Gauge Frame, Deduct	*-268.52*	
		For 18 Gauge Frame, Deduct	*-351.86*	
		For Seamless Welded Frame, Add	*611.12*	
		For 316 Stainless Steel Frame, Add	*1,138.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 19 00-0014	EA	7' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,553.66	190.56
		For 12 Gauge Frame, Add	*961.96*	
		For 16 Gauge Frame, Deduct	*-278.97*	
		For 18 Gauge Frame, Deduct	*-365.54*	
		For Seamless Welded Frame, Add	*634.89*	
		For 316 Stainless Steel Frame, Add	*1,183.21*	
08 12 19 00-0015	EA	8' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,567.78	197.61
		For 12 Gauge Frame, Add	*963.51*	
		For 16 Gauge Frame, Deduct	*-279.42*	
		For 18 Gauge Frame, Deduct	*-366.13*	
		For Seamless Welded Frame, Add	*635.92*	
		For 316 Stainless Steel Frame, Add	*1,185.12*	

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	572.96	77.63
		For Embossed Panel Door, Add	*100.25*	
		For Baked Enamel Finish, Add	*148.60*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.53*	
		For >100, Deduct	*-46.85*	
		For Polystyrene Core, Add	*41.77*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*104.42*	
		For Galvanized Steel Door, Add	*83.54*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	572.96	77.63
		For Embossed Panel Door, Add	*100.25*	
		For Baked Enamel Finish, Add	*148.60*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.53*	
		For >100, Deduct	*-46.85*	
		For Polystyrene Core, Add	*41.77*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*104.42*	
		For Galvanized Steel Door, Add	*83.54*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	588.57	81.16
		For Embossed Panel Door, Add	*102.30*	
		For Baked Enamel Finish, Add	*152.22*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.49*	
		For >100, Deduct	*-48.20*	
		For Polystyrene Core, Add	*42.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.56*	
		For Galvanized Steel Door, Add	*85.25*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	594.93	81.16
		For Embossed Panel Door, Add	*103.82*	
		For Baked Enamel Finish, Add	*154.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.80*	
		For >100, Deduct	*-48.68*	
		For Polystyrene Core, Add	*43.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*108.15*	
		For Galvanized Steel Door, Add	*86.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	601.00	82.93
		For Embossed Panel Door, Add	*104.43*	
		For Baked Enamel Finish, Add	*155.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.20*	
		For >100, Deduct	*-49.22*	
		For Polystyrene Core, Add	*43.51*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*108.79*	
		For Galvanized Steel Door, Add	*87.03*	
		For Type 304 Stainless Steel Door, Add	*348.11*	
		For Type 316 Stainless Steel Door, Add	*565.68*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.39*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	607.07	84.69
		For Embossed Panel Door, Add	*105.05*	
		For Baked Enamel Finish, Add	*156.71*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.59*	
		For >100, Deduct	*-49.76*	
		For Polystyrene Core, Add	*43.77*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.42*	
		For Galvanized Steel Door, Add	*87.54*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	640.15	84.69
		For Embossed Panel Door, Add	*112.98*	
		For Baked Enamel Finish, Add	*166.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.24*	
		For >100, Deduct	*-52.25*	
		For Polystyrene Core, Add	*47.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.69*	
		For Galvanized Steel Door, Add	*94.15*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	659.93	88.22
		For Embossed Panel Door, Add	*116.04*	
		For Baked Enamel Finish, Add	*171.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.41*	
		For >100, Deduct	*-53.91*	
		For Polystyrene Core, Add	*48.35*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.87*	
		For Galvanized Steel Door, Add	*96.70*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	724.95	95.28
		For Embossed Panel Door, Add	*128.25*	
		For Baked Enamel Finish, Add	*188.90*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.01*	
		For >100, Deduct	*-59.14*	
		For Polystyrene Core, Add	*53.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.60*	
		For Galvanized Steel Door, Add	*106.88*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	583.91	77.63
		For Embossed Panel Door, Add	*102.87*	
		For Baked Enamel Finish, Add	*151.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.08*	
		For >100, Deduct	*-47.68*	
		For Polystyrene Core, Add	*42.86*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*107.16*	
		For Galvanized Steel Door, Add	*85.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	583.91	77.63
		For Embossed Panel Door, Add	*102.87*	
		For Baked Enamel Finish, Add	*151.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.08*	
		For >100, Deduct	*-47.68*	
		For Polystyrene Core, Add	*42.86*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*107.16*	
		For Galvanized Steel Door, Add	*85.73*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	599.73	81.16
		For Embossed Panel Door, Add	*104.98*	
		For Baked Enamel Finish, Add	*155.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-49.04*	
		For Polystyrene Core, Add	*43.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.35*	
		For Galvanized Steel Door, Add	*87.48*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	606.26	81.16
		For Embossed Panel Door, Add	*106.54*	
		For Baked Enamel Finish, Add	*157.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.37*	
		For >100, Deduct	*-49.53*	
		For Polystyrene Core, Add	*44.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.98*	
		For Galvanized Steel Door, Add	*88.79*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	612.40	82.93
		For Embossed Panel Door, Add	*107.17*	
		For Baked Enamel Finish, Add	*158.84*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.77*	
		For >100, Deduct	*-50.08*	
		For Polystyrene Core, Add	*44.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.64*	
		For Galvanized Steel Door, Add	*89.31*	
		For Type 304 Stainless Steel Door, Add	*357.23*	
		For Type 316 Stainless Steel Door, Add	*580.50*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.82*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	618.54	84.69
		For Embossed Panel Door, Add	*107.80*	
		For Baked Enamel Finish, Add	*160.16*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.16*	
		For >100, Deduct	*-50.63*	
		For Polystyrene Core, Add	*44.92*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.29*	
		For Galvanized Steel Door, Add	*89.83*	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	652.48	84.69
		For Embossed Panel Door, Add	*115.94*	
		For Baked Enamel Finish, Add	*170.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.86*	
		For >100, Deduct	*-53.17*	
		For Polystyrene Core, Add	*48.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.78*	
		For Galvanized Steel Door, Add	*96.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	672.60	88.22
		For Embossed Panel Door, Add	*119.08*	
		For Baked Enamel Finish, Add	*175.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.04*	
		For >100, Deduct	*-54.86*	
		For Polystyrene Core, Add	*49.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*124.04*	
		For Galvanized Steel Door, Add	*99.23*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	738.95	95.28
		For Embossed Panel Door, Add	*131.61*	
		For Baked Enamel Finish, Add	*193.10*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.71*	
		For >100, Deduct	*-60.19*	
		For Polystyrene Core, Add	*54.84*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*137.10*	
		For Galvanized Steel Door, Add	*109.68*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	594.54	77.63
		For Embossed Panel Door, Add	*105.42*	
		For Baked Enamel Finish, Add	*155.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-48.47*	
		For Polystyrene Core, Add	*43.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.82*	
		For Galvanized Steel Door, Add	*87.85*	
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	594.54	77.63
		For Embossed Panel Door, Add	*105.42*	
		For Baked Enamel Finish, Add	*155.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-48.47*	
		For Polystyrene Core, Add	*43.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.82*	
		For Galvanized Steel Door, Add	*87.85*	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	610.58	81.16
		For Embossed Panel Door, Add	*107.58*	
		For Baked Enamel Finish, Add	*158.82*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.59*	
		For >100, Deduct	*-49.85*	
		For Polystyrene Core, Add	*44.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.06*	
		For Galvanized Steel Door, Add	*89.65*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	617.27	81.16
		For Embossed Panel Door, Add	*109.19*	
		For Baked Enamel Finish, Add	*160.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.92*	
		For >100, Deduct	*-50.35*	
		For Polystyrene Core, Add	*45.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.74*	
		For Galvanized Steel Door, Add	*90.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	623.47	82.93
		For Embossed Panel Door, Add	*109.83*	
		For Baked Enamel Finish, Add	*162.16*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.32*	
		For >100, Deduct	*-50.91*	
		For Polystyrene Core, Add	*45.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.40*	
		For Galvanized Steel Door, Add	*91.52*	
		For Type 304 Stainless Steel Door, Add	*366.09*	
		For Type 316 Stainless Steel Door, Add	*594.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.20*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	629.67	84.69
		For Embossed Panel Door, Add	*110.47*	
		For Baked Enamel Finish, Add	*163.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.72*	
		For >100, Deduct	*-51.46*	
		For Polystyrene Core, Add	*46.03*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.07*	
		For Galvanized Steel Door, Add	*92.06*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	664.46	84.69
		For Embossed Panel Door, Add	*118.82*	
		For Baked Enamel Finish, Add	*173.93*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.46*	
		For >100, Deduct	*-54.07*	
		For Polystyrene Core, Add	*49.51*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.77*	
		For Galvanized Steel Door, Add	*99.02*	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	684.91	88.22
		For Embossed Panel Door, Add	*122.03*	
		For Baked Enamel Finish, Add	*179.01*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.66*	
		For >100, Deduct	*-55.78*	
		For Polystyrene Core, Add	*50.85*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*127.12*	
		For Galvanized Steel Door, Add	*101.69*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	752.55	95.28
		For Embossed Panel Door, Add	*134.88*	
		For Baked Enamel Finish, Add	*197.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.39*	
		For >100, Deduct	*-61.21*	
		For Polystyrene Core, Add	*56.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*140.50*	
		For Galvanized Steel Door, Add	*112.40*	

08 13 13 13-0032 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	606.76	77.63
		For Embossed Panel Door, Add	*108.36*	
		For Baked Enamel Finish, Add	*158.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.22*	
		For >100, Deduct	*-49.39*	
		For 2" Thick Door, Add	*36.61*	
		For Polystyrene Core, Add	*45.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.87*	
		For Galvanized Steel Door, Add	*90.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	606.76	77.63
		For Embossed Panel Door, Add	*108.36*	
		For Baked Enamel Finish, Add	*158.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.22*	
		For >100, Deduct	*-49.39*	
		For 2" Thick Door, Add	*36.61*	
		For Polystyrene Core, Add	*45.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.87*	
		For Galvanized Steel Door, Add	*90.30*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	623.05	81.16
		For Embossed Panel Door, Add	*110.57*	
		For Baked Enamel Finish, Add	*162.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.21*	
		For >100, Deduct	*-50.79*	
		For 2" Thick Door, Add	*37.46*	
		For Polystyrene Core, Add	*46.07*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.18*	
		For Galvanized Steel Door, Add	*92.14*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.93	81.16
		For Embossed Panel Door, Add	*112.22*	
		For Baked Enamel Finish, Add	*164.63*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.55*	
		For >100, Deduct	*-51.30*	
		For 2" Thick Door, Add	*37.96*	
		For Polystyrene Core, Add	*46.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.90*	
		For Galvanized Steel Door, Add	*93.52*	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	636.20	82.93
		For Embossed Panel Door, Add	*112.88*	
		For Baked Enamel Finish, Add	*165.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.96*	
		For >100, Deduct	*-51.86*	
		For 2" Thick Door, Add	*38.25*	
		For Polystyrene Core, Add	*47.03*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.59*	
		For Galvanized Steel Door, Add	*94.07*	
		For Type 304 Stainless Steel Door, Add	*376.27*	
		For Type 316 Stainless Steel Door, Add	*611.44*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.79*	
		For Steel Stiffened, Add	*117.59*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	642.48	84.69
		For Embossed Panel Door, Add	*113.54*	
		For Baked Enamel Finish, Add	*167.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.36*	
		For >100, Deduct	*-52.42*	
		For 2" Thick Door, Add	*38.53*	
		For Polystyrene Core, Add	*47.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.28*	
		For Galvanized Steel Door, Add	*94.62*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	678.23	84.69
		For Embossed Panel Door, Add	*122.12*	
		For Baked Enamel Finish, Add	*178.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.15*	
		For >100, Deduct	*-55.10*	
		For 2" Thick Door, Add	*41.13*	
		For Polystyrene Core, Add	*50.89*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*127.21*	
		For Galvanized Steel Door, Add	*101.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	699.05	88.22
		For Embossed Panel Door, Add	*125.43*	
		For Baked Enamel Finish, Add	*183.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.36*	
		For >100, Deduct	*-56.84*	
		For 2" Thick Door, Add	*42.30*	
		For Polystyrene Core, Add	*52.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*130.65*	
		For Galvanized Steel Door, Add	*104.52*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	768.18	95.28
		For Embossed Panel Door, Add	*138.63*	
		For Baked Enamel Finish, Add	*201.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.17*	
		For >100, Deduct	*-62.38*	
		For 2" Thick Door, Add	*46.64*	
		For Polystyrene Core, Add	*57.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*144.41*	
		For Galvanized Steel Door, Add	*115.52*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	617.47	77.63
		For Embossed Panel Door, Add	*110.93*	
		For Baked Enamel Finish, Add	*161.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.76*	
		For >100, Deduct	*-50.19*	
		For 2" Thick Door, Add	*37.39*	
		For Polystyrene Core, Add	*46.22*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.55*	
		For Galvanized Steel Door, Add	*92.44*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	617.47	77.63
		For Embossed Panel Door, Add	*110.93*	
		For Baked Enamel Finish, Add	*161.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.76*	
		For >100, Deduct	*-50.19*	
		For 2" Thick Door, Add	*37.39*	
		For Polystyrene Core, Add	*46.22*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.55*	
		For Galvanized Steel Door, Add	*92.44*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	633.98	81.16
		For Embossed Panel Door, Add	*113.20*	
		For Baked Enamel Finish, Add	*165.84*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.76*	
		For >100, Deduct	*-51.61*	
		For 2" Thick Door, Add	*38.25*	
		For Polystyrene Core, Add	*47.17*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.91*	
		For Galvanized Steel Door, Add	*94.33*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	641.02	81.16
		For Embossed Panel Door, Add	*114.89*	
		For Baked Enamel Finish, Add	*167.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.11*	
		For >100, Deduct	*-52.13*	
		For 2" Thick Door, Add	*38.76*	
		For Polystyrene Core, Add	*47.87*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.67*	
		For Galvanized Steel Door, Add	*95.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	647.37	82.93
		For Embossed Panel Door, Add	*115.56*	
		For Baked Enamel Finish, Add	*169.33*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.52*	
		For >100, Deduct	*-52.70*	
		For 2" Thick Door, Add	*39.06*	
		For Polystyrene Core, Add	*48.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.38*	
		For Galvanized Steel Door, Add	*96.30*	
		For Type 304 Stainless Steel Door, Add	*385.21*	
		For Type 316 Stainless Steel Door, Add	*625.96*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.19*	
		For Steel Stiffened, Add	*120.38*	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	653.70	84.69
		For Embossed Panel Door, Add	*116.24*	
		For Baked Enamel Finish, Add	*170.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.92*	
		For >100, Deduct	*-53.26*	
		For 2" Thick Door, Add	*39.35*	
		For Polystyrene Core, Add	*48.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*121.08*	
		For Galvanized Steel Door, Add	*96.86*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	690.31	84.69
		For Embossed Panel Door, Add	*125.02*	
		For Baked Enamel Finish, Add	*181.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.75*	
		For >100, Deduct	*-56.01*	
		For 2" Thick Door, Add	*42.00*	
		For Polystyrene Core, Add	*52.09*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*130.23*	
		For Galvanized Steel Door, Add	*104.19*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	711.45	88.22
		For Embossed Panel Door, Add	*128.40*	
		For Baked Enamel Finish, Add	*186.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.98*	
		For >100, Deduct	*-57.77*	
		For 2" Thick Door, Add	*43.20*	
		For Polystyrene Core, Add	*53.50*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.75*	
		For Galvanized Steel Door, Add	*107.00*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	781.89	95.28
		For Embossed Panel Door, Add	*141.92*	
		For Baked Enamel Finish, Add	*205.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.86*	
		For >100, Deduct	*-63.41*	
		For 2" Thick Door, Add	*47.64*	
		For Polystyrene Core, Add	*59.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*147.83*	
		For Galvanized Steel Door, Add	*118.27*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	628.19	77.63
		For Embossed Panel Door, Add	*113.50*	
		For Baked Enamel Finish, Add	*165.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.29*	
		For >100, Deduct	*-51.00*	
		For 2" Thick Door, Add	*38.17*	
		For Polystyrene Core, Add	*47.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.23*	
		For Galvanized Steel Door, Add	*94.58*	
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	628.19	77.63
		For Embossed Panel Door, Add	*113.50*	
		For Baked Enamel Finish, Add	*165.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.29*	
		For >100, Deduct	*-51.00*	
		For 2" Thick Door, Add	*38.17*	
		For Polystyrene Core, Add	*47.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.23*	
		For Galvanized Steel Door, Add	*94.58*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	644.92	81.16
		For Embossed Panel Door, Add	*115.82*	
		For Baked Enamel Finish, Add	*169.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.30*	
		For >100, Deduct	*-52.43*	
		For 2" Thick Door, Add	*39.05*	
		For Polystyrene Core, Add	*48.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.65*	
		For Galvanized Steel Door, Add	*96.52*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	652.12	81.16
		For Embossed Panel Door, Add	*117.55*	
		For Baked Enamel Finish, Add	*171.29*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.66*	
		For >100, Deduct	*-52.97*	
		For 2" Thick Door, Add	*39.57*	
		For Polystyrene Core, Add	*48.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.45*	
		For Galvanized Steel Door, Add	*97.96*	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	664.93	84.69
		For Embossed Panel Door, Add	*118.93*	
		For Baked Enamel Finish, Add	*174.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.48*	
		For >100, Deduct	*-54.10*	
		For 2" Thick Door, Add	*40.16*	
		For Polystyrene Core, Add	*49.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.89*	
		For Galvanized Steel Door, Add	*99.11*	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	702.39	84.69
		For Embossed Panel Door, Add	*127.92*	
		For Baked Enamel Finish, Add	*185.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.35*	
		For >100, Deduct	*-56.91*	
		For 2" Thick Door, Add	*42.88*	
		For Polystyrene Core, Add	*53.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.25*	
		For Galvanized Steel Door, Add	*106.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	723.85	88.22
		For Embossed Panel Door, Add	*131.38*	
		For Baked Enamel Finish, Add	*190.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.60*	
		For >100, Deduct	*-58.70*	
		For 2" Thick Door, Add	*44.10*	
		For Polystyrene Core, Add	*54.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.85*	
		For Galvanized Steel Door, Add	*109.48*	
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	795.60	95.28
		For Embossed Panel Door, Add	*145.21*	
		For Baked Enamel Finish, Add	*210.10*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.54*	
		For >100, Deduct	*-64.43*	
		For 2" Thick Door, Add	*48.63*	
		For Polystyrene Core, Add	*60.50*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*151.26*	
		For Galvanized Steel Door, Add	*121.01*	

08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	716.57	77.63
		For Up To 1' Extra Height, Add	*155.31*	
		For 1' To 1'-6" Extra Height, Add	*296.31*	
		For Embossed Panel Door, Add	*134.71*	
		For Baked Enamel Finish, Add	*191.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.71*	
		For >100, Deduct	*-57.62*	
		For 2" Thick Door, Add	*44.58*	
		For Polystyrene Core, Add	*56.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*140.33*	
		For Galvanized Steel Door, Add	*112.26*	
08 13 13 13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	716.57	77.63
		For Up To 1' Extra Height, Add	*155.31*	
		For 1' To 1'-6" Extra Height, Add	*296.31*	
		For Embossed Panel Door, Add	*134.71*	
		For Baked Enamel Finish, Add	*191.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.71*	
		For >100, Deduct	*-57.62*	
		For 2" Thick Door, Add	*44.58*	
		For Polystyrene Core, Add	*56.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*140.33*	
		For Galvanized Steel Door, Add	*112.26*	
08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	735.11	81.16
		For Up To 1' Extra Height, Add	*158.49*	
		For 1' To 1'-6" Extra Height, Add	*302.37*	
		For Embossed Panel Door, Add	*137.47*	
		For Baked Enamel Finish, Add	*196.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.81*	
		For >100, Deduct	*-59.19*	
		For 2" Thick Door, Add	*45.58*	
		For Polystyrene Core, Add	*57.28*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.20*	
		For Galvanized Steel Door, Add	*114.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	743.66	81.16
		For Up To 1' Extra Height, Add	*160.85*	
		For 1' To 1'-6" Extra Height, Add	*306.88*	
		For Embossed Panel Door, Add	*139.52*	
		For Baked Enamel Finish, Add	*198.75*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.24*	
		For >100, Deduct	*-59.83*	
		For 2" Thick Door, Add	*46.20*	
		For Polystyrene Core, Add	*58.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*145.33*	
		For Galvanized Steel Door, Add	*116.27*	
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	750.61	82.93
		For Up To 1' Extra Height, Add	*161.80*	
		For 1' To 1'-6" Extra Height, Add	*308.69*	
		For Embossed Panel Door, Add	*140.34*	
		For Baked Enamel Finish, Add	*200.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.68*	
		For >100, Deduct	*-60.44*	
		For 2" Thick Door, Add	*46.54*	
		For Polystyrene Core, Add	*58.48*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.19*	
		For Galvanized Steel Door, Add	*116.95*	
		For Type 304 Stainless Steel Door, Add	*467.80*	
		For Type 316 Stainless Steel Door, Add	*760.18*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.09*	
		For Steel Stiffened, Add	*146.19*	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	757.55	84.69
		For Up To 1' Extra Height, Add	*162.75*	
		For 1' To 1'-6" Extra Height, Add	*310.49*	
		For Embossed Panel Door, Add	*141.16*	
		For Baked Enamel Finish, Add	*201.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.11*	
		For >100, Deduct	*-61.05*	
		For 2" Thick Door, Add	*46.88*	
		For Polystyrene Core, Add	*58.82*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*147.04*	
		For Galvanized Steel Door, Add	*117.63*	
08 13 13 13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	802.00	84.69
		For Up To 1' Extra Height, Add	*175.05*	
		For 1' To 1'-6" Extra Height, Add	*333.96*	
		For Embossed Panel Door, Add	*151.83*	
		For Baked Enamel Finish, Add	*215.19*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.33*	
		For >100, Deduct	*-64.38*	
		For 2" Thick Door, Add	*50.10*	
		For Polystyrene Core, Add	*63.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*158.16*	
		For Galvanized Steel Door, Add	*126.52*	
08 13 13 13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.16	88.22
		For Up To 1' Extra Height, Add	*179.78*	
		For 1' To 1'-6" Extra Height, Add	*342.99*	
		For Embossed Panel Door, Add	*155.93*	
		For Baked Enamel Finish, Add	*221.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.72*	
		For >100, Deduct	*-66.37*	
		For 2" Thick Door, Add	*51.52*	
		For Polystyrene Core, Add	*64.97*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*162.43*	
		For Galvanized Steel Door, Add	*129.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071	EA	4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	908.67	95.28
		For Up To 1' Extra Height, Add	*198.70*	
		For 1' To 1'-6" Extra Height, Add	*379.09*	
		For Embossed Panel Door, Add	*172.35*	
		For Baked Enamel Finish, Add	*244.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.20*	
		For >100, Deduct	*-72.91*	
		For 2" Thick Door, Add	*56.83*	
		For Polystyrene Core, Add	*71.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*179.53*	
		For Galvanized Steel Door, Add	*143.62*	

08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0074	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	780.58	77.63
		For Embossed Panel Door, Add	*150.07*	
		For Baked Enamel Finish, Add	*210.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.91*	
		For >100, Deduct	*-62.43*	
		For 2" Thick Door, Add	*49.22*	
		For Polystyrene Core, Add	*62.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*156.33*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*250.12*	
		For Galvanized Steel Door, Add	*125.06*	
08 13 13 13-0075	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	780.58	77.63
		For Embossed Panel Door, Add	*150.07*	
		For Baked Enamel Finish, Add	*210.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.91*	
		For >100, Deduct	*-62.43*	
		For 2" Thick Door, Add	*49.22*	
		For Polystyrene Core, Add	*62.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*156.33*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*250.12*	
		For Galvanized Steel Door, Add	*125.06*	
08 13 13 13-0076	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	800.43	81.16
		For Embossed Panel Door, Add	*153.14*	
		For Baked Enamel Finish, Add	*215.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.08*	
		For >100, Deduct	*-64.09*	
		For 2" Thick Door, Add	*50.32*	
		For Polystyrene Core, Add	*63.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.53*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.24*	
		For Galvanized Steel Door, Add	*127.62*	
08 13 13 13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	809.95	81.16
		For Embossed Panel Door, Add	*155.43*	
		For Baked Enamel Finish, Add	*218.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.56*	
		For >100, Deduct	*-64.80*	
		For 2" Thick Door, Add	*51.01*	
		For Polystyrene Core, Add	*64.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*161.91*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*259.05*	
		For Galvanized Steel Door, Add	*129.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	817.30	82.93
		For Embossed Panel Door, Add	*156.35*	
		For Baked Enamel Finish, Add	*220.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.01*	
		For >100, Deduct	*-65.44*	
		For 2" Thick Door, Add	*51.38*	
		For Polystyrene Core, Add	*65.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*162.86*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*260.58*	
		For Galvanized Steel Door, Add	*130.29*	
		For Type 304 Stainless Steel Door, Add	*521.15*	
		For Type 316 Stainless Steel Door, Add	*846.87*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.43*	
		For Steel Stiffened, Add	*162.86*	
08 13 13 13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	824.62	84.69
		For Embossed Panel Door, Add	*157.26*	
		For Baked Enamel Finish, Add	*221.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.47*	
		For >100, Deduct	*-66.08*	
		For 2" Thick Door, Add	*51.74*	
		For Polystyrene Core, Add	*65.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*262.10*	
		For Galvanized Steel Door, Add	*131.05*	
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	874.15	84.69
		For Embossed Panel Door, Add	*169.14*	
		For Baked Enamel Finish, Add	*236.84*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.94*	
		For >100, Deduct	*-69.80*	
		For 2" Thick Door, Add	*55.33*	
		For Polystyrene Core, Add	*70.48*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*176.19*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*281.91*	
		For Galvanized Steel Door, Add	*140.95*	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	900.25	88.22
		For Embossed Panel Door, Add	*173.71*	
		For Baked Enamel Finish, Add	*243.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.42*	
		For >100, Deduct	*-71.93*	
		For 2" Thick Door, Add	*56.89*	
		For Polystyrene Core, Add	*72.38*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.95*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*289.52*	
		For Galvanized Steel Door, Add	*144.76*	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	990.56	95.28
		For Embossed Panel Door, Add	*192.00*	
		For Baked Enamel Finish, Add	*268.58*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.29*	
		For >100, Deduct	*-79.06*	
		For 2" Thick Door, Add	*62.76*	
		For Polystyrene Core, Add	*80.00*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*200.00*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*320.00*	
		For Galvanized Steel Door, Add	*160.00*	

08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	795.42	77.63
		For Embossed Panel Door, Add	*153.64*	
		For Baked Enamel Finish, Add	*215.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.65*	
		For >100, Deduct	*-63.54*	
		For 2" Thick Door, Add	*50.29*	
		For Polystyrene Core, Add	*64.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*160.04*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*256.06*	
		For Galvanized Steel Door, Add	*128.03*	
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	795.42	77.63
		For Embossed Panel Door, Add	*153.64*	
		For Baked Enamel Finish, Add	*215.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.65*	
		For >100, Deduct	*-63.54*	
		For 2" Thick Door, Add	*50.29*	
		For Polystyrene Core, Add	*64.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*160.04*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*256.06*	
		For Galvanized Steel Door, Add	*128.03*	
08 13 13 13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	815.57	81.16
		For Embossed Panel Door, Add	*156.78*	
		For Baked Enamel Finish, Add	*220.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.84*	
		For >100, Deduct	*-65.23*	
		For 2" Thick Door, Add	*51.42*	
		For Polystyrene Core, Add	*65.32*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.31*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.30*	
		For Galvanized Steel Door, Add	*130.65*	
08 13 13 13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	825.32	81.16
		For Embossed Panel Door, Add	*159.12*	
		For Baked Enamel Finish, Add	*223.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.32*	
		For >100, Deduct	*-65.96*	
		For 2" Thick Door, Add	*52.13*	
		For Polystyrene Core, Add	*66.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.75*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*265.20*	
		For Galvanized Steel Door, Add	*132.60*	
08 13 13 13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	832.75	82.93
		For Embossed Panel Door, Add	*160.05*	
		For Baked Enamel Finish, Add	*224.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.78*	
		For >100, Deduct	*-66.60*	
		For 2" Thick Door, Add	*52.50*	
		For Polystyrene Core, Add	*66.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.72*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*266.76*	
		For Galvanized Steel Door, Add	*133.38*	
		For Type 304 Stainless Steel Door, Add	*533.51*	
		For Type 316 Stainless Steel Door, Add	*866.96*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.36*	
		For Steel Stiffened, Add	*166.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	840.17	84.69
		For Embossed Panel Door, Add	*160.99*	
		For Baked Enamel Finish, Add	*226.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.24*	
		For >100, Deduct	*-67.25*	
		For 2" Thick Door, Add	*52.87*	
		For Polystyrene Core, Add	*67.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.70*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*268.32*	
		For Galvanized Steel Door, Add	*134.16*	
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	890.87	84.69
		For Embossed Panel Door, Add	*173.16*	
		For Baked Enamel Finish, Add	*241.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.78*	
		For >100, Deduct	*-71.05*	
		For 2" Thick Door, Add	*56.54*	
		For Polystyrene Core, Add	*72.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.37*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*288.60*	
		For Galvanized Steel Door, Add	*144.30*	
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	917.43	88.22
		For Embossed Panel Door, Add	*177.84*	
		For Baked Enamel Finish, Add	*248.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.28*	
		For >100, Deduct	*-73.22*	
		For 2" Thick Door, Add	*58.13*	
		For Polystyrene Core, Add	*74.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*185.25*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*296.40*	
		For Galvanized Steel Door, Add	*148.20*	
08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,009.55	95.28
		For Embossed Panel Door, Add	*196.56*	
		For Baked Enamel Finish, Add	*274.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-55.24*	
		For >100, Deduct	*-80.48*	
		For 2" Thick Door, Add	*64.14*	
		For Polystyrene Core, Add	*81.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*204.75*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*327.60*	
		For Galvanized Steel Door, Add	*163.80*	

08 13 13 13-0093 7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	810.26	77.63
		For Embossed Panel Door, Add	*157.20*	
		For Baked Enamel Finish, Add	*219.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.39*	
		For >100, Deduct	*-64.65*	
		For 2" Thick Door, Add	*51.37*	
		For Polystyrene Core, Add	*65.50*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.75*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*262.00*	
		For Galvanized Steel Door, Add	*131.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	810.26	77.63
		For Embossed Panel Door, Add	*157.20*	
		For Baked Enamel Finish, Add	*219.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.39*	
		For >100, Deduct	*-64.65*	
		For 2" Thick Door, Add	*51.37*	
		For Polystyrene Core, Add	*65.50*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.75*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*262.00*	
		For Galvanized Steel Door, Add	*131.00*	
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	830.72	81.16
		For Embossed Panel Door, Add	*160.41*	
		For Baked Enamel Finish, Add	*224.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.59*	
		For >100, Deduct	*-66.36*	
		For 2" Thick Door, Add	*52.52*	
		For Polystyrene Core, Add	*66.84*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.10*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.36*	
		For Galvanized Steel Door, Add	*133.68*	
08 13 13 13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	840.69	81.16
		For Embossed Panel Door, Add	*162.81*	
		For Baked Enamel Finish, Add	*227.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.09*	
		For >100, Deduct	*-67.11*	
		For 2" Thick Door, Add	*53.24*	
		For Polystyrene Core, Add	*67.84*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*169.59*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*271.34*	
		For Galvanized Steel Door, Add	*135.67*	
08 13 13 13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	848.22	82.93
		For Embossed Panel Door, Add	*163.77*	
		For Baked Enamel Finish, Add	*229.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.56*	
		For >100, Deduct	*-67.76*	
		For 2" Thick Door, Add	*53.62*	
		For Polystyrene Core, Add	*68.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.59*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.94*	
		For Galvanized Steel Door, Add	*136.47*	
		For Type 304 Stainless Steel Door, Add	*545.89*	
		For Type 316 Stainless Steel Door, Add	*887.07*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.30*	
		For Steel Stiffened, Add	*170.59*	
08 13 13 13-0099	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	855.72	84.69
		For Embossed Panel Door, Add	*164.72*	
		For Baked Enamel Finish, Add	*231.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.02*	
		For >100, Deduct	*-68.41*	
		For 2" Thick Door, Add	*53.99*	
		For Polystyrene Core, Add	*68.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*171.59*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*274.54*	
		For Galvanized Steel Door, Add	*137.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	907.60	84.69
		For Embossed Panel Door, Add	*177.17*	
		For Baked Enamel Finish, Add	*246.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.61*	
		For >100, Deduct	*-72.30*	
		For 2" Thick Door, Add	*57.76*	
		For Polystyrene Core, Add	*73.82*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.56*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*295.29*	
		For Galvanized Steel Door, Add	*147.64*	
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	934.61	88.22
		For Embossed Panel Door, Add	*181.96*	
		For Baked Enamel Finish, Add	*253.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.14*	
		For >100, Deduct	*-74.51*	
		For 2" Thick Door, Add	*59.38*	
		For Polystyrene Core, Add	*75.82*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*189.54*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*303.27*	
		For Galvanized Steel Door, Add	*151.63*	
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,028.53	95.28
		For Embossed Panel Door, Add	*201.11*	
		For Baked Enamel Finish, Add	*279.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.19*	
		For >100, Deduct	*-81.90*	
		For 2" Thick Door, Add	*65.52*	
		For Polystyrene Core, Add	*83.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*209.49*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*335.19*	
		For Galvanized Steel Door, Add	*167.59*	

08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	932.67	77.63
		For Up To 1' Extra Height, Add	*215.11*	
		For Embossed Panel Door, Add	*186.58*	
		For Baked Enamel Finish, Add	*256.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.52*	
		For >100, Deduct	*-73.83*	
		For 2" Thick Door, Add	*60.24*	
		For Polystyrene Core, Add	*77.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*194.35*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*310.96*	
		For Galvanized Steel Door, Add	*155.48*	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	932.67	77.63
		For Up To 1' Extra Height, Add	*215.11*	
		For Embossed Panel Door, Add	*186.58*	
		For Baked Enamel Finish, Add	*256.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.52*	
		For >100, Deduct	*-73.83*	
		For 2" Thick Door, Add	*60.24*	
		For Polystyrene Core, Add	*77.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*194.35*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*310.96*	
		For Galvanized Steel Door, Add	*155.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	955.63	81.16
		For Up To 1' Extra Height, Add	*219.51*	
		For Embossed Panel Door, Add	*190.39*	
		For Baked Enamel Finish, Add	*262.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.84*	
		For >100, Deduct	*-75.73*	
		For 2" Thick Door, Add	*61.57*	
		For Polystyrene Core, Add	*79.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.33*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.32*	
		For Galvanized Steel Door, Add	*158.66*	
08 13 13 13-0107	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	967.47	81.16
		For Up To 1' Extra Height, Add	*222.78*	
		For Embossed Panel Door, Add	*193.23*	
		For Baked Enamel Finish, Add	*265.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.43*	
		For >100, Deduct	*-76.62*	
		For 2" Thick Door, Add	*62.43*	
		For Polystyrene Core, Add	*80.51*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*201.29*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*322.06*	
		For Galvanized Steel Door, Add	*161.03*	
08 13 13 13-0108	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.74	82.93
		For Up To 1' Extra Height, Add	*224.09*	
		For Embossed Panel Door, Add	*194.37*	
		For Baked Enamel Finish, Add	*267.84*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.93*	
		For >100, Deduct	*-77.33*	
		For 2" Thick Door, Add	*62.86*	
		For Polystyrene Core, Add	*80.99*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*202.47*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*323.95*	
		For Galvanized Steel Door, Add	*161.98*	
		For Type 304 Stainless Steel Door, Add	*647.90*	
		For Type 316 Stainless Steel Door, Add	*1,052.84*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*101.24*	
		For Steel Stiffened, Add	*202.47*	
08 13 13 13-0109	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	983.99	84.69
		For Up To 1' Extra Height, Add	*225.40*	
		For Embossed Panel Door, Add	*195.51*	
		For Baked Enamel Finish, Add	*269.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.43*	
		For >100, Deduct	*-78.03*	
		For 2" Thick Door, Add	*63.29*	
		For Polystyrene Core, Add	*81.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*203.65*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*325.84*	
		For Galvanized Steel Door, Add	*162.92*	
08 13 13 13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,045.56	84.69
		For Up To 1' Extra Height, Add	*242.44*	
		For Embossed Panel Door, Add	*210.28*	
		For Baked Enamel Finish, Add	*288.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.51*	
		For >100, Deduct	*-82.65*	
		For 2" Thick Door, Add	*67.76*	
		For Polystyrene Core, Add	*87.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*219.05*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*350.47*	
		For Galvanized Steel Door, Add	*175.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,076.31	88.22
		For Up To 1' Extra Height, Add	*248.99*	
		For 1' To 1'-6" Extra Height, Add	*475.04*	
		For Embossed Panel Door, Add	*215.97*	
		For Baked Enamel Finish, Add	*296.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-58.23*	
		For >100, Deduct	*-85.13*	
		For 2" Thick Door, Add	*69.65*	
		For Polystyrene Core, Add	*89.99*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*224.97*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*359.95*	
		For Galvanized Steel Door, Add	*179.97*	
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,185.14	95.28
		For Up To 1' Extra Height, Add	*275.20*	
		For 1' To 1'-6" Extra Height, Add	*525.04*	
		For Embossed Panel Door, Add	*238.70*	
		For Baked Enamel Finish, Add	*326.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-64.02*	
		For >100, Deduct	*-93.65*	
		For 2" Thick Door, Add	*76.87*	
		For Polystyrene Core, Add	*99.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*248.65*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*397.83*	
		For Galvanized Steel Door, Add	*198.92*	

08 13 19 Stainless-Steel Doors *(08 13)*

08 13 19 00-0001 Stainless Steel Doors *(08 13 19)*

Note: Full flush, impregnated honeycomb core.

08 13 19 00-0002 304 Stainless Steel Doors *(08 13 19 00-0001)*

08 13 19 00-0003 16 Gauge, 304 Stainless Steel Doors *(08 13 19 00-0002)*

08 13 19 00-0004	EA	2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	2,942.71	81.16
		For Louvered Door, Add	*486.57*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0005	EA	3' x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	2,949.76	84.69
		For Louvered Door, Add	*486.57*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0006	EA	3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,184.56	88.22
		For Louvered Door, Add	*526.42*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0007	EA	2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,158.57	81.16
		For Louvered Door, Add	*524.34*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0008	EA	3' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,167.60	84.69
		For Louvered Door, Add	*524.69*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0009	EA	3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,404.38	88.22
		For Louvered Door, Add	*564.89*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0010	EA	4' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,644.26	95.28
		For Louvered Door, Add	*604.40*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

08 13 19 00-0011 14 Gauge, 304 Stainless Steel Doors *(08 13 19 00-0002)*

08 13 19 00-0012	EA	2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,699.20	81.16
		For Louvered Door, Add	*618.95*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0013	EA	3' x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,706.25	84.69
		For Louvered Door, Add	*618.95*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0014	EA	3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,974.71	88.22
		For Louvered Door, Add	*664.70*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0015	EA	2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,942.78	81.16
		For Louvered Door, Add	*661.58*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 19 00-0016	EA	3' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,949.83	84.69
		For Louvered Door, Add	*661.58*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0017	EA	3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,218.29	88.22
		For Louvered Door, Add	*707.32*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0018	EA	4' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,495.80	95.28
		For Louvered Door, Add	*753.42*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0019		316 Stainless Steel Doors *(08 13 19 00-0001)*		
08 13 19 00-0020		16 Gauge, 316 Stainless Steel Doors *(08 13 19 00-0019)*		
08 13 19 00-0021	EA	2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	3,952.68	81.16
		For Louvered Door, Add	*663.31*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0022	EA	3' x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	3,959.73	84.69
		For Louvered Door, Add	*663.31*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0023	EA	3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,329.19	88.22
		For Louvered Door, Add	*726.73*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0024	EA	2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,255.67	81.16
		For Louvered Door, Add	*716.33*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0025	EA	3' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,262.72	84.69
		For Louvered Door, Add	*716.33*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0026	EA	3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,630.20	88.22
		For Louvered Door, Add	*779.41*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0027	EA	4' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	5,008.70	95.28
		For Louvered Door, Add	*843.17*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0028		14 Gauge, 316 Stainless Steel Doors *(08 13 19 00-0019)*		
08 13 19 00-0029	EA	2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	4,709.17	81.16
		For Louvered Door, Add	*795.70*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0030	EA	3' x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	4,716.22	84.69
		For Louvered Door, Add	*795.70*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0031	EA	3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,147.07	88.22
		For Louvered Door, Add	*869.86*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0032	EA	2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,055.73	81.16
		For Louvered Door, Add	*856.35*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0033	EA	3' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,488.55	84.69
		For Louvered Door, Add	*930.85*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0034	EA	3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,495.61	88.22
		For Louvered Door, Add	*930.85*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0035	EA	4' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,901.83	95.28
		For Louvered Door, Add	*999.47*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0036		Stainless Steel Door Assembly Accessories *(08 13 19)*		
08 13 19 00-0037	SF	Vision Panel With Type 304 Frame, 1-1/2 Hour Fire Rated Glazing, Stainless Steel Door Assembly Accessories	1,262.81	84.69
08 13 19 00-0038	EA	Door Louver With Type 304 Frame, Stainless Steel Door Assembly Accessories	878.68	77.63
08 13 19 00-0039	LF	Door Astragal With Type 304 Plate, Stainless Steel Door Assembly Accessories	43.25	4.77
		For Type 316 Stainless Steel Plate, Add	*13.37*	
08 13 19 00-0040	LF	Type 304 Center Door Mullion, Stainless Steel Door Assembly Accessories	199.68	7.76
		For Type 316 Stainless Steel Plate, Add	*45.36*	
08 13 19 00-0041	EA	For 1-1/2 Hour Fire Rated Door, Single Door, Stainless Steel Door Assembly Accessories	511.70	
08 13 19 00-0042	EA	For 1-1/2 Hour Fire Rated Door, Double Doors, Stainless Steel Door Assembly Accessories	876.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 Wood Doors *(08 10)*				
		Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.		
08 14 16 Flush Wood Doors *(08 14)*				
08 14 16 00-0001		1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*		
08 14 16 00-0002		Birch Faced Wood Door *(08 14 16 00-0001)*		
08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.36	77.63
		For >25 To 50, Deduct	*-16.73*	
		For >50 To 100, Deduct	*-26.65*	
		For >100, Deduct	*-38.47*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.36	77.63
		For >25 To 50, Deduct	*-16.73*	
		For >50 To 100, Deduct	*-26.65*	
		For >100, Deduct	*-38.47*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	298.43	81.16
		For >25 To 50, Deduct	*-17.62*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-40.71*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	305.06	81.16
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-41.70*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.61	81.16
		For >25 To 50, Deduct	*-17.95*	
		For >50 To 100, Deduct	*-28.86*	
		For >100, Deduct	*-41.93*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.44	84.69
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-29.63*	
		For >100, Deduct	*-42.93*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.61	84.69
		For >25 To 50, Deduct	*-19.07*	
		For >50 To 100, Deduct	*-30.87*	
		For >100, Deduct	*-45.06*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	345.86	88.22
		For >25 To 50, Deduct	*-20.01*	
		For >50 To 100, Deduct	*-32.47*	
		For >100, Deduct	*-47.47*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.77	77.63
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-27.30*	
		For >100, Deduct	*-39.58*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.77	77.63
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-27.30*	
		For >100, Deduct	*-39.58*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.36	81.16
		For >25 To 50, Deduct	*-17.94*	
		For >50 To 100, Deduct	*-28.84*	
		For >100, Deduct	*-41.90*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	313.37	81.16
		For >25 To 50, Deduct	*-18.22*	
		For >50 To 100, Deduct	*-29.45*	
		For >100, Deduct	*-42.95*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	315.01	81.16
		For >25 To 50, Deduct	*-18.28*	
		For >50 To 100, Deduct	*-29.59*	
		For >100, Deduct	*-43.19*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	322.88	84.69
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.37*	
		For >100, Deduct	*-44.20*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.87	84.69
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-31.68*	
		For >100, Deduct	*-46.45*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	355.71	88.22
		For >25 To 50, Deduct	*-20.40*	
		For >50 To 100, Deduct	*-33.33*	
		For >100, Deduct	*-48.95*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	315.99	77.63
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-29.59*	
		For >100, Deduct	*-43.52*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	315.99	77.63
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-29.59*	
		For >100, Deduct	*-43.52*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	334.46	81.16
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-31.29*	
		For >100, Deduct	*-46.11*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	342.81	81.16
		For >25 To 50, Deduct	*-19.39*	
		For >50 To 100, Deduct	*-32.03*	
		For >100, Deduct	*-47.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	344.78	81.16
		For >25 To 50, Deduct	*-19.47*	
		For >50 To 100, Deduct	*-32.20*	
		For >100, Deduct	*-47.66*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	352.81	84.69
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-48.69*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	370.73	84.69
		For >25 To 50, Deduct	*-20.76*	
		For >50 To 100, Deduct	*-34.56*	
		For >100, Deduct	*-51.38*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	390.66	88.22
		For >25 To 50, Deduct	*-21.80*	
		For >50 To 100, Deduct	*-36.39*	
		For >100, Deduct	*-54.19*	

08 14 16 00-0027 Oak Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	412.71	77.63
		For >25 To 50, Deduct	*-21.94*	
		For >50 To 100, Deduct	*-38.05*	
		For >100, Deduct	*-58.02*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	412.71	77.63
		For >25 To 50, Deduct	*-21.94*	
		For >50 To 100, Deduct	*-38.05*	
		For >100, Deduct	*-58.02*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	438.01	81.16
		For >25 To 50, Deduct	*-23.20*	
		For >50 To 100, Deduct	*-40.36*	
		For >100, Deduct	*-61.64*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	451.44	81.16
		For >25 To 50, Deduct	*-23.74*	
		For >50 To 100, Deduct	*-41.53*	
		For >100, Deduct	*-63.66*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	453.80	81.16
		For >25 To 50, Deduct	*-23.83*	
		For >50 To 100, Deduct	*-41.74*	
		For >100, Deduct	*-64.01*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	463.22	84.69
		For >25 To 50, Deduct	*-24.46*	
		For >50 To 100, Deduct	*-42.65*	
		For >100, Deduct	*-65.25*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.87	84.69
		For >25 To 50, Deduct	*-25.60*	
		For >50 To 100, Deduct	*-45.16*	
		For >100, Deduct	*-69.55*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	519.59	88.22
		For >25 To 50, Deduct	*-26.96*	
		For >50 To 100, Deduct	*-47.67*	
		For >100, Deduct	*-73.53*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	427.68	77.63
		For >25 To 50, Deduct	*-22.54*	
		For >50 To 100, Deduct	*-39.36*	
		For >100, Deduct	*-60.27*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	427.68	77.63
		For >25 To 50, Deduct	*-22.54*	
		For >50 To 100, Deduct	*-39.36*	
		For >100, Deduct	*-60.27*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	454.06	81.16
		For >25 To 50, Deduct	*-23.84*	
		For >50 To 100, Deduct	*-41.76*	
		For >100, Deduct	*-64.05*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	468.26	81.16
		For >25 To 50, Deduct	*-24.41*	
		For >50 To 100, Deduct	*-43.00*	
		For >100, Deduct	*-66.18*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	470.75	81.16
		For >25 To 50, Deduct	*-24.51*	
		For >50 To 100, Deduct	*-43.22*	
		For >100, Deduct	*-66.55*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	480.30	84.69
		For >25 To 50, Deduct	*-25.14*	
		For >50 To 100, Deduct	*-44.14*	
		For >100, Deduct	*-67.81*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	510.64	84.69
		For >25 To 50, Deduct	*-26.35*	
		For >50 To 100, Deduct	*-46.80*	
		For >100, Deduct	*-72.36*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	539.55	88.22
		For >25 To 50, Deduct	*-27.76*	
		For >50 To 100, Deduct	*-49.42*	
		For >100, Deduct	*-76.52*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	480.82	77.63
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-44.01*	
		For >100, Deduct	*-68.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	480.82	77.63
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-44.01*	
		For >100, Deduct	*-68.24*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	510.94	81.16
		For >25 To 50, Deduct	*-26.12*	
		For >50 To 100, Deduct	*-46.74*	
		For >100, Deduct	*-72.58*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	527.90	81.16
		For >25 To 50, Deduct	*-26.80*	
		For >50 To 100, Deduct	*-48.22*	
		For >100, Deduct	*-75.13*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	530.91	81.16
		For >25 To 50, Deduct	*-26.92*	
		For >50 To 100, Deduct	*-48.48*	
		For >100, Deduct	*-75.58*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	540.93	84.69
		For >25 To 50, Deduct	*-27.57*	
		For >50 To 100, Deduct	*-49.45*	
		For >100, Deduct	*-76.91*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	577.20	84.69
		For >25 To 50, Deduct	*-29.02*	
		For >50 To 100, Deduct	*-52.62*	
		For >100, Deduct	*-82.35*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	610.38	88.22
		For >25 To 50, Deduct	*-30.59*	
		For >50 To 100, Deduct	*-55.61*	
		For >100, Deduct	*-87.15*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	343.92	77.63
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-32.03*	
		For >100, Deduct	*-47.71*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	343.92	77.63
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-32.03*	
		For >100, Deduct	*-47.71*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	364.33	81.16
		For >25 To 50, Deduct	*-20.25*	
		For >50 To 100, Deduct	*-33.91*	
		For >100, Deduct	*-50.59*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	374.19	81.16
		For >25 To 50, Deduct	*-20.65*	
		For >50 To 100, Deduct	*-34.77*	
		For >100, Deduct	*-52.07*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	375.92	81.16
		For >25 To 50, Deduct	*-20.72*	
		For >50 To 100, Deduct	*-34.92*	
		For >100, Deduct	*-52.33*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	384.70	84.69
		For >25 To 50, Deduct	*-21.32*	
		For >50 To 100, Deduct	*-35.78*	
		For >100, Deduct	*-53.47*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	405.70	84.69
		For >25 To 50, Deduct	*-22.16*	
		For >50 To 100, Deduct	*-37.62*	
		For >100, Deduct	*-56.62*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	427.89	88.22
		For >25 To 50, Deduct	*-23.29*	
		For >50 To 100, Deduct	*-39.65*	
		For >100, Deduct	*-59.77*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	354.88	77.63
		For >25 To 50, Deduct	*-19.63*	
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-49.35*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	354.88	77.63
		For >25 To 50, Deduct	*-19.63*	
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-49.35*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.10	81.16
		For >25 To 50, Deduct	*-20.73*	
		For >50 To 100, Deduct	*-34.94*	
		For >100, Deduct	*-52.36*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	386.51	81.16
		For >25 To 50, Deduct	*-21.14*	
		For >50 To 100, Deduct	*-35.85*	
		For >100, Deduct	*-53.92*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	388.35	81.16
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-36.01*	
		For >100, Deduct	*-54.19*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	397.21	84.69
		For >25 To 50, Deduct	*-21.82*	
		For >50 To 100, Deduct	*-36.87*	
		For >100, Deduct	*-55.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	419.44	84.69
		For >25 To 50, Deduct	*-22.71*	
		For >50 To 100, Deduct	*-38.82*	
		For >100, Deduct	*-58.68*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	442.53	88.22
		For >25 To 50, Deduct	*-23.88*	
		For >50 To 100, Deduct	*-40.93*	
		For >100, Deduct	*-61.97*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	393.82	77.63
		For >25 To 50, Deduct	*-21.19*	
		For >50 To 100, Deduct	*-36.40*	
		For >100, Deduct	*-55.19*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	393.82	77.63
		For >25 To 50, Deduct	*-21.19*	
		For >50 To 100, Deduct	*-36.40*	
		For >100, Deduct	*-55.19*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	417.78	81.16
		For >25 To 50, Deduct	*-22.39*	
		For >50 To 100, Deduct	*-38.58*	
		For >100, Deduct	*-58.61*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	430.20	81.16
		For >25 To 50, Deduct	*-22.89*	
		For >50 To 100, Deduct	*-39.67*	
		For >100, Deduct	*-60.47*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	432.41	81.16
		For >25 To 50, Deduct	*-22.98*	
		For >50 To 100, Deduct	*-39.87*	
		For >100, Deduct	*-60.80*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.64	84.69
		For >25 To 50, Deduct	*-23.59*	
		For >50 To 100, Deduct	*-40.76*	
		For >100, Deduct	*-62.01*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	468.23	84.69
		For >25 To 50, Deduct	*-24.66*	
		For >50 To 100, Deduct	*-43.09*	
		For >100, Deduct	*-66.00*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	494.42	88.22
		For >25 To 50, Deduct	*-25.95*	
		For >50 To 100, Deduct	*-45.47*	
		For >100, Deduct	*-69.75*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	246.65	77.63
		For >25 To 50, Deduct	*-15.30*	
		For >50 To 100, Deduct	*-23.52*	
		For >100, Deduct	*-33.12*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	246.65	77.63
		For >25 To 50, Deduct	*-15.30*	
		For >50 To 100, Deduct	*-23.52*	
		For >100, Deduct	*-33.12*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	259.90	81.16
		For >25 To 50, Deduct	*-16.08*	
		For >50 To 100, Deduct	*-24.77*	
		For >100, Deduct	*-34.93*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.13	81.16
		For >25 To 50, Deduct	*-16.29*	
		For >50 To 100, Deduct	*-25.23*	
		For >100, Deduct	*-35.71*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	266.97	81.16
		For >25 To 50, Deduct	*-16.36*	
		For >50 To 100, Deduct	*-25.39*	
		For >100, Deduct	*-35.99*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.87	84.69
		For >25 To 50, Deduct	*-16.96*	
		For >50 To 100, Deduct	*-26.26*	
		For >100, Deduct	*-37.15*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.05	84.69
		For >25 To 50, Deduct	*-17.37*	
		For >50 To 100, Deduct	*-27.15*	
		For >100, Deduct	*-38.67*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	300.59	88.22
		For >25 To 50, Deduct	*-18.20*	
		For >50 To 100, Deduct	*-28.51*	
		For >100, Deduct	*-40.68*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	251.96	77.63
		For >25 To 50, Deduct	*-15.51*	
		For >50 To 100, Deduct	*-23.99*	
		For >100, Deduct	*-33.91*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	255.82	77.63
		For >25 To 50, Deduct	*-15.67*	
		For >50 To 100, Deduct	*-24.33*	
		For >100, Deduct	*-34.49*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.58	81.16
		For >25 To 50, Deduct	*-16.30*	
		For >50 To 100, Deduct	*-25.27*	
		For >100, Deduct	*-35.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.11	81.16
		For >25 To 50, Deduct	*-16.53*	
		For >50 To 100, Deduct	*-25.75*	
		For >100, Deduct	*-36.61*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.49	81.16
		For >25 To 50, Deduct	*-16.78*	
		For >50 To 100, Deduct	*-26.31*	
		For >100, Deduct	*-37.57*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.06	84.69
		For >25 To 50, Deduct	*-17.21*	
		For >50 To 100, Deduct	*-26.80*	
		For >100, Deduct	*-38.07*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	292.84	84.69
		For >25 To 50, Deduct	*-17.64*	
		For >50 To 100, Deduct	*-27.74*	
		For >100, Deduct	*-39.69*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	313.06	88.22
		For >25 To 50, Deduct	*-18.70*	
		For >50 To 100, Deduct	*-29.60*	
		For >100, Deduct	*-42.55*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.83	77.63
		For >25 To 50, Deduct	*-16.27*	
		For >50 To 100, Deduct	*-25.64*	
		For >100, Deduct	*-36.74*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.80	77.63
		For >25 To 50, Deduct	*-16.27*	
		For >50 To 100, Deduct	*-25.64*	
		For >100, Deduct	*-36.74*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.72	81.16
		For >25 To 50, Deduct	*-17.11*	
		For >50 To 100, Deduct	*-27.03*	
		For >100, Deduct	*-38.80*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	292.31	81.16
		For >25 To 50, Deduct	*-17.37*	
		For >50 To 100, Deduct	*-27.61*	
		For >100, Deduct	*-39.79*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	294.66	81.16
		For >25 To 50, Deduct	*-17.47*	
		For >50 To 100, Deduct	*-27.81*	
		For >100, Deduct	*-40.14*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	304.04	84.69
		For >25 To 50, Deduct	*-18.09*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-41.37*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	316.92	84.69
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-29.85*	
		For >100, Deduct	*-43.30*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	333.41	88.22
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-31.38*	
		For >100, Deduct	*-45.60*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	271.48	77.63
		For >25 To 50, Deduct	*-16.29*	
		For >50 To 100, Deduct	*-25.70*	
		For >100, Deduct	*-36.84*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	271.48	77.63
		For >25 To 50, Deduct	*-16.29*	
		For >50 To 100, Deduct	*-25.70*	
		For >100, Deduct	*-36.84*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	287.01	81.16
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-27.14*	
		For >100, Deduct	*-38.99*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	291.02	81.16
		For >25 To 50, Deduct	*-17.32*	
		For >50 To 100, Deduct	*-27.49*	
		For >100, Deduct	*-39.59*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	295.05	81.16
		For >25 To 50, Deduct	*-17.48*	
		For >50 To 100, Deduct	*-27.85*	
		For >100, Deduct	*-40.20*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	306.10	84.69
		For >25 To 50, Deduct	*-18.17*	
		For >50 To 100, Deduct	*-28.90*	
		For >100, Deduct	*-41.68*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	321.15	84.69
		For >25 To 50, Deduct	*-18.77*	
		For >50 To 100, Deduct	*-30.22*	
		For >100, Deduct	*-43.94*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	337.91	88.22
		For >25 To 50, Deduct	*-19.69*	
		For >50 To 100, Deduct	*-31.77*	
		For >100, Deduct	*-46.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	278.23	77.63
		For >25 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-37.85*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	278.23	77.63
		For >25 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-37.85*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	294.26	81.16
		For >25 To 50, Deduct	*-17.45*	
		For >50 To 100, Deduct	*-27.78*	
		For >100, Deduct	*-40.08*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	298.51	81.16
		For >25 To 50, Deduct	*-17.62*	
		For >50 To 100, Deduct	*-28.15*	
		For >100, Deduct	*-40.72*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.78	81.16
		For >25 To 50, Deduct	*-17.79*	
		For >50 To 100, Deduct	*-28.52*	
		For >100, Deduct	*-41.36*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.07	84.69
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-29.60*	
		For >100, Deduct	*-42.88*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	329.99	84.69
		For >25 To 50, Deduct	*-19.13*	
		For >50 To 100, Deduct	*-30.99*	
		For >100, Deduct	*-45.26*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	347.31	88.22
		For >25 To 50, Deduct	*-20.07*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-47.69*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.19	77.63
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-28.38*	
		For >100, Deduct	*-41.45*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.22	77.63
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-28.39*	
		For >100, Deduct	*-41.45*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	319.98	81.16
		For >25 To 50, Deduct	*-18.48*	
		For >50 To 100, Deduct	*-30.03*	
		For >100, Deduct	*-43.94*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.08	81.16
		For >25 To 50, Deduct	*-18.68*	
		For >50 To 100, Deduct	*-30.47*	
		For >100, Deduct	*-44.70*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	330.18	81.16
		For >25 To 50, Deduct	*-18.89*	
		For >50 To 100, Deduct	*-30.92*	
		For >100, Deduct	*-45.47*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	342.30	84.69
		For >25 To 50, Deduct	*-19.62*	
		For >50 To 100, Deduct	*-32.07*	
		For >100, Deduct	*-47.11*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	361.31	84.69
		For >25 To 50, Deduct	*-20.38*	
		For >50 To 100, Deduct	*-33.73*	
		For >100, Deduct	*-49.96*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	380.64	88.22
		For >25 To 50, Deduct	*-21.40*	
		For >50 To 100, Deduct	*-35.51*	
		For >100, Deduct	*-52.69*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.13	77.63
		For >25 To 50, Deduct	*-18.00*	
		For >50 To 100, Deduct	*-29.43*	
		For >100, Deduct	*-43.24*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.13	77.63
		For >25 To 50, Deduct	*-18.00*	
		For >50 To 100, Deduct	*-29.43*	
		For >100, Deduct	*-43.24*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	327.18	81.16
		For >25 To 50, Deduct	*-18.77*	
		For >50 To 100, Deduct	*-30.66*	
		For >100, Deduct	*-45.02*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.41	81.16
		For >25 To 50, Deduct	*-18.86*	
		For >50 To 100, Deduct	*-30.85*	
		For >100, Deduct	*-45.35*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	334.30	81.16
		For >25 To 50, Deduct	*-19.05*	
		For >50 To 100, Deduct	*-31.28*	
		For >100, Deduct	*-46.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	346.24	84.69
		For >25 To 50, Deduct	*-19.78*	
		For >50 To 100, Deduct	*-32.41*	
		For >100, Deduct	*-47.70*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	372.17	84.69
		For >25 To 50, Deduct	*-20.82*	
		For >50 To 100, Deduct	*-34.68*	
		For >100, Deduct	*-51.59*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	431.86	88.22
		For >25 To 50, Deduct	*-23.45*	
		For >50 To 100, Deduct	*-39.99*	
		For >100, Deduct	*-60.37*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	444.63	88.22
		For >25 To 50, Deduct	*-23.96*	
		For >50 To 100, Deduct	*-41.11*	
		For >100, Deduct	*-62.28*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	470.17	88.22
		For >25 To 50, Deduct	*-24.98*	
		For >50 To 100, Deduct	*-43.35*	
		For >100, Deduct	*-66.11*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	323.39	77.63
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-30.24*	
		For >100, Deduct	*-44.63*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	323.38	77.63
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-30.24*	
		For >100, Deduct	*-44.63*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	336.77	81.16
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-31.50*	
		For >100, Deduct	*-46.46*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	339.14	81.16
		For >25 To 50, Deduct	*-19.25*	
		For >50 To 100, Deduct	*-31.70*	
		For >100, Deduct	*-46.81*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	344.31	81.16
		For >25 To 50, Deduct	*-19.45*	
		For >50 To 100, Deduct	*-32.16*	
		For >100, Deduct	*-47.59*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	356.52	84.69
		For >25 To 50, Deduct	*-20.19*	
		For >50 To 100, Deduct	*-33.31*	
		For >100, Deduct	*-49.24*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	383.97	84.69
		For >25 To 50, Deduct	*-21.29*	
		For >50 To 100, Deduct	*-35.71*	
		For >100, Deduct	*-53.36*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	446.74	88.22
		For >25 To 50, Deduct	*-24.05*	
		For >50 To 100, Deduct	*-41.30*	
		For >100, Deduct	*-62.60*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	460.24	88.22
		For >25 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-42.48*	
		For >100, Deduct	*-64.63*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	487.27	88.22
		For >25 To 50, Deduct	*-25.67*	
		For >50 To 100, Deduct	*-44.84*	
		For >100, Deduct	*-68.68*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	356.17	77.63
		For >25 To 50, Deduct	*-19.68*	
		For >50 To 100, Deduct	*-33.11*	
		For >100, Deduct	*-49.54*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	356.17	77.63
		For >25 To 50, Deduct	*-19.68*	
		For >50 To 100, Deduct	*-33.11*	
		For >100, Deduct	*-49.54*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	370.80	81.16
		For >25 To 50, Deduct	*-20.51*	
		For >50 To 100, Deduct	*-34.47*	
		For >100, Deduct	*-51.56*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	373.61	81.16
		For >25 To 50, Deduct	*-20.63*	
		For >50 To 100, Deduct	*-34.72*	
		For >100, Deduct	*-51.98*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	379.81	81.16
		For >25 To 50, Deduct	*-20.87*	
		For >50 To 100, Deduct	*-35.26*	
		For >100, Deduct	*-52.91*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	393.01	84.69
		For >25 To 50, Deduct	*-21.65*	
		For >50 To 100, Deduct	*-36.51*	
		For >100, Deduct	*-54.72*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	425.82	84.69
		For >25 To 50, Deduct	*-22.96*	
		For >50 To 100, Deduct	*-39.38*	
		For >100, Deduct	*-59.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	499.44	88.22
		For >25 To 50, Deduct	*-26.15*	
		For >50 To 100, Deduct	*-45.91*	
		For >100, Deduct	*-70.51*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	515.57	88.22
		For >25 To 50, Deduct	*-26.80*	
		For >50 To 100, Deduct	*-47.32*	
		For >100, Deduct	*-72.92*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	547.89	88.22
		For >25 To 50, Deduct	*-28.09*	
		For >50 To 100, Deduct	*-50.15*	
		For >100, Deduct	*-77.77*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	497.60	77.63
		For >25 To 50, Deduct	*-25.34*	
		For >50 To 100, Deduct	*-45.48*	
		For >100, Deduct	*-70.76*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	497.60	77.63
		For >25 To 50, Deduct	*-25.34*	
		For >50 To 100, Deduct	*-45.48*	
		For >100, Deduct	*-70.76*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	517.53	81.16
		For >25 To 50, Deduct	*-26.38*	
		For >50 To 100, Deduct	*-47.31*	
		For >100, Deduct	*-73.57*	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	522.35	81.16
		For >25 To 50, Deduct	*-26.58*	
		For >50 To 100, Deduct	*-47.73*	
		For >100, Deduct	*-74.29*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	532.89	81.16
		For >25 To 50, Deduct	*-27.00*	
		For >50 To 100, Deduct	*-48.66*	
		For >100, Deduct	*-75.88*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	550.44	84.69
		For >25 To 50, Deduct	*-27.95*	
		For >50 To 100, Deduct	*-50.28*	
		For >100, Deduct	*-78.33*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	606.33	84.69
		For >25 To 50, Deduct	*-30.18*	
		For >50 To 100, Deduct	*-55.17*	
		For >100, Deduct	*-86.72*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	726.81	88.22
		For >25 To 50, Deduct	*-35.25*	
		For >50 To 100, Deduct	*-65.80*	
		For >100, Deduct	*-104.61*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	754.35	88.22
		For >25 To 50, Deduct	*-36.35*	
		For >50 To 100, Deduct	*-68.21*	
		For >100, Deduct	*-108.74*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	809.42	88.22
		For >25 To 50, Deduct	*-38.55*	
		For >50 To 100, Deduct	*-73.03*	
		For >100, Deduct	*-117.00*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	517.51	77.63
		For >25 To 50, Deduct	*-26.13*	
		For >50 To 100, Deduct	*-47.22*	
		For >100, Deduct	*-73.74*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	517.52	77.63
		For >25 To 50, Deduct	*-26.14*	
		For >50 To 100, Deduct	*-47.22*	
		For >100, Deduct	*-73.75*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	538.20	81.16
		For >25 To 50, Deduct	*-27.21*	
		For >50 To 100, Deduct	*-49.12*	
		For >100, Deduct	*-76.67*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	543.30	81.16
		For >25 To 50, Deduct	*-27.41*	
		For >50 To 100, Deduct	*-49.57*	
		For >100, Deduct	*-77.44*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	554.44	81.16
		For >25 To 50, Deduct	*-27.86*	
		For >50 To 100, Deduct	*-50.54*	
		For >100, Deduct	*-79.11*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	572.61	84.69
		For >25 To 50, Deduct	*-28.83*	
		For >50 To 100, Deduct	*-52.22*	
		For >100, Deduct	*-81.66*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	631.76	84.69
		For >25 To 50, Deduct	*-31.20*	
		For >50 To 100, Deduct	*-57.40*	
		For >100, Deduct	*-90.53*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	758.85	88.22
		For >25 To 50, Deduct	*-36.53*	
		For >50 To 100, Deduct	*-68.60*	
		For >100, Deduct	*-109.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	788.00	88.22
		For >25 To 50, Deduct	*-37.70*	
		For >50 To 100, Deduct	*-71.16*	
		For >100, Deduct	*-113.79*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	846.26	88.22
		For >25 To 50, Deduct	*-40.03*	
		For >50 To 100, Deduct	*-76.25*	
		For >100, Deduct	*-122.53*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	588.13	77.63
		For >25 To 50, Deduct	*-28.96*	
		For >50 To 100, Deduct	*-53.40*	
		For >100, Deduct	*-84.34*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	588.17	77.63
		For >25 To 50, Deduct	*-28.96*	
		For >50 To 100, Deduct	*-53.41*	
		For >100, Deduct	*-84.34*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	611.50	81.16
		For >25 To 50, Deduct	*-30.14*	
		For >50 To 100, Deduct	*-55.54*	
		For >100, Deduct	*-87.67*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	617.57	81.16
		For >25 To 50, Deduct	*-30.38*	
		For >50 To 100, Deduct	*-56.07*	
		For >100, Deduct	*-88.58*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	630.90	81.16
		For >25 To 50, Deduct	*-30.92*	
		For >50 To 100, Deduct	*-57.23*	
		For >100, Deduct	*-90.58*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	651.25	84.69
		For >25 To 50, Deduct	*-31.98*	
		For >50 To 100, Deduct	*-59.10*	
		For >100, Deduct	*-93.45*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	721.95	84.69
		For >25 To 50, Deduct	*-34.81*	
		For >50 To 100, Deduct	*-65.29*	
		For >100, Deduct	*-104.06*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	872.42	88.22
		For >25 To 50, Deduct	*-41.07*	
		For >50 To 100, Deduct	*-78.54*	
		For >100, Deduct	*-126.45*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	907.27	88.22
		For >25 To 50, Deduct	*-42.47*	
		For >50 To 100, Deduct	*-81.59*	
		For >100, Deduct	*-131.68*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	976.89	88.22
		For >25 To 50, Deduct	*-45.25*	
		For >50 To 100, Deduct	*-87.68*	
		For >100, Deduct	*-142.12*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	406.12	77.63
		For >25 To 50, Deduct	*-21.68*	
		For >50 To 100, Deduct	*-37.48*	
		For >100, Deduct	*-57.04*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	406.12	77.63
		For >25 To 50, Deduct	*-21.68*	
		For >50 To 100, Deduct	*-37.48*	
		For >100, Deduct	*-57.04*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	422.61	81.16
		For >25 To 50, Deduct	*-22.59*	
		For >50 To 100, Deduct	*-39.01*	
		For >100, Deduct	*-59.33*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	426.29	81.16
		For >25 To 50, Deduct	*-22.73*	
		For >50 To 100, Deduct	*-39.33*	
		For >100, Deduct	*-59.89*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	433.93	81.16
		For >25 To 50, Deduct	*-23.04*	
		For >50 To 100, Deduct	*-40.00*	
		For >100, Deduct	*-61.03*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	448.60	84.69
		For >25 To 50, Deduct	*-23.87*	
		For >50 To 100, Deduct	*-41.37*	
		For >100, Deduct	*-63.06*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	489.57	84.69
		For >25 To 50, Deduct	*-25.51*	
		For >50 To 100, Deduct	*-44.95*	
		For >100, Deduct	*-69.20*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	559.69	88.22
		For >25 To 50, Deduct	*-28.56*	
		For >50 To 100, Deduct	*-51.18*	
		For >100, Deduct	*-79.54*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	599.91	88.22
		For >25 To 50, Deduct	*-30.17*	
		For >50 To 100, Deduct	*-54.70*	
		For >100, Deduct	*-85.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	640.27	88.22
		For >25 To 50, Deduct	*-31.79*	
		For >50 To 100, Deduct	*-58.23*	
		For >100, Deduct	*-91.63*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	420.73	77.63
		For >25 To 50, Deduct	*-22.26*	
		For >50 To 100, Deduct	*-38.75*	
		For >100, Deduct	*-59.23*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	420.73	77.63
		For >25 To 50, Deduct	*-22.26*	
		For >50 To 100, Deduct	*-38.75*	
		For >100, Deduct	*-59.23*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	437.74	81.16
		For >25 To 50, Deduct	*-23.19*	
		For >50 To 100, Deduct	*-40.33*	
		For >100, Deduct	*-61.60*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.66	81.16
		For >25 To 50, Deduct	*-23.35*	
		For >50 To 100, Deduct	*-40.67*	
		For >100, Deduct	*-62.19*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	449.73	81.16
		For >25 To 50, Deduct	*-23.67*	
		For >50 To 100, Deduct	*-41.38*	
		For >100, Deduct	*-63.40*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	464.84	84.69
		For >25 To 50, Deduct	*-24.52*	
		For >50 To 100, Deduct	*-42.79*	
		For >100, Deduct	*-65.49*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	508.20	84.69
		For >25 To 50, Deduct	*-26.26*	
		For >50 To 100, Deduct	*-46.58*	
		For >100, Deduct	*-72.00*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	581.89	88.22
		For >25 To 50, Deduct	*-29.45*	
		For >50 To 100, Deduct	*-53.12*	
		For >100, Deduct	*-82.87*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	624.59	88.22
		For >25 To 50, Deduct	*-31.16*	
		For >50 To 100, Deduct	*-56.86*	
		For >100, Deduct	*-89.28*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	667.26	88.22
		For >25 To 50, Deduct	*-32.87*	
		For >50 To 100, Deduct	*-60.59*	
		For >100, Deduct	*-95.68*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	472.49	77.63
		For >25 To 50, Deduct	*-24.33*	
		For >50 To 100, Deduct	*-43.28*	
		For >100, Deduct	*-66.99*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	472.49	77.63
		For >25 To 50, Deduct	*-24.33*	
		For >50 To 100, Deduct	*-43.28*	
		For >100, Deduct	*-66.99*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	491.45	81.16
		For >25 To 50, Deduct	*-25.34*	
		For >50 To 100, Deduct	*-45.03*	
		For >100, Deduct	*-69.66*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	496.13	81.16
		For >25 To 50, Deduct	*-25.53*	
		For >50 To 100, Deduct	*-45.44*	
		For >100, Deduct	*-70.36*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	505.74	81.16
		For >25 To 50, Deduct	*-25.91*	
		For >50 To 100, Deduct	*-46.28*	
		For >100, Deduct	*-71.80*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	522.46	84.69
		For >25 To 50, Deduct	*-26.83*	
		For >50 To 100, Deduct	*-47.83*	
		For >100, Deduct	*-74.13*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	574.25	84.69
		For >25 To 50, Deduct	*-28.90*	
		For >50 To 100, Deduct	*-52.36*	
		For >100, Deduct	*-81.90*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	660.98	88.22
		For >25 To 50, Deduct	*-32.61*	
		For >50 To 100, Deduct	*-60.04*	
		For >100, Deduct	*-94.74*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	711.98	88.22
		For >25 To 50, Deduct	*-34.65*	
		For >50 To 100, Deduct	*-64.50*	
		For >100, Deduct	*-102.39*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	763.00	88.22
		For >25 To 50, Deduct	*-36.70*	
		For >50 To 100, Deduct	*-68.97*	
		For >100, Deduct	*-110.04*	

08 14 16 00-0221 Lauan Faced Wood Doors *(08 14 16 00-0127)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.36	77.63
		For >25 To 50, Deduct	*-16.29*	
		For >50 To 100, Deduct	*-25.68*	
		For >100, Deduct	*-36.82*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.36	77.63
		For >25 To 50, Deduct	*-16.29*	
		For >50 To 100, Deduct	*-25.68*	
		For >100, Deduct	*-36.82*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.40	81.16
		For >25 To 50, Deduct	*-17.14*	
		For >50 To 100, Deduct	*-27.09*	
		For >100, Deduct	*-38.90*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	292.89	81.16
		For >25 To 50, Deduct	*-17.40*	
		For >50 To 100, Deduct	*-27.66*	
		For >100, Deduct	*-39.88*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	294.18	81.16
		For >25 To 50, Deduct	*-17.45*	
		For >50 To 100, Deduct	*-27.77*	
		For >100, Deduct	*-40.07*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	302.52	84.69
		For >25 To 50, Deduct	*-18.03*	
		For >50 To 100, Deduct	*-28.59*	
		For >100, Deduct	*-41.14*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	317.15	84.69
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-29.87*	
		For >100, Deduct	*-43.34*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	343.08	88.22
		For >25 To 50, Deduct	*-19.90*	
		For >50 To 100, Deduct	*-32.23*	
		For >100, Deduct	*-47.05*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	351.39	88.22
		For >25 To 50, Deduct	*-20.23*	
		For >50 To 100, Deduct	*-32.95*	
		For >100, Deduct	*-48.30*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	368.07	88.22
		For >25 To 50, Deduct	*-20.90*	
		For >50 To 100, Deduct	*-34.41*	
		For >100, Deduct	*-50.80*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	278.10	77.63
		For >25 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-26.27*	
		For >100, Deduct	*-37.83*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	278.10	77.63
		For >25 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-26.27*	
		For >100, Deduct	*-37.83*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.63	81.16
		For >25 To 50, Deduct	*-17.43*	
		For >50 To 100, Deduct	*-27.72*	
		For >100, Deduct	*-39.99*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	300.50	81.16
		For >25 To 50, Deduct	*-17.70*	
		For >50 To 100, Deduct	*-28.32*	
		For >100, Deduct	*-41.02*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	301.86	81.16
		For >25 To 50, Deduct	*-17.76*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-41.22*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	310.26	84.69
		For >25 To 50, Deduct	*-18.34*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-42.30*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	325.76	84.69
		For >25 To 50, Deduct	*-18.96*	
		For >50 To 100, Deduct	*-30.62*	
		For >100, Deduct	*-44.63*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	352.77	88.22
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-33.07*	
		For >100, Deduct	*-48.50*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	361.57	88.22
		For >25 To 50, Deduct	*-20.64*	
		For >50 To 100, Deduct	*-33.84*	
		For >100, Deduct	*-49.82*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	379.21	88.22
		For >25 To 50, Deduct	*-21.34*	
		For >50 To 100, Deduct	*-35.39*	
		For >100, Deduct	*-52.47*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	302.05	77.63
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-28.37*	
		For >100, Deduct	*-41.43*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	302.05	77.63
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-28.37*	
		For >100, Deduct	*-41.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	319.22	81.16
		For >25 To 50, Deduct	*-18.45*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-43.82*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	327.43	81.16
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-30.68*	
		For >100, Deduct	*-45.06*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	329.07	81.16
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-45.30*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	337.74	84.69
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-31.67*	
		For >100, Deduct	*-46.43*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	356.26	84.69
		For >25 To 50, Deduct	*-20.18*	
		For >50 To 100, Deduct	*-33.29*	
		For >100, Deduct	*-49.20*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	387.14	88.22
		For >25 To 50, Deduct	*-21.66*	
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-53.66*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	397.68	88.22
		For >25 To 50, Deduct	*-22.08*	
		For >50 To 100, Deduct	*-37.00*	
		For >100, Deduct	*-55.24*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	418.75	88.22
		For >25 To 50, Deduct	*-22.93*	
		For >50 To 100, Deduct	*-38.85*	
		For >100, Deduct	*-58.40*	

08 14 16 00-0252 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.03	77.63
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-28.19*	
		For >100, Deduct	*-41.12*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.07	77.63
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-28.20*	
		For >100, Deduct	*-41.13*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.13	81.16
		For >25 To 50, Deduct	*-18.13*	
		For >50 To 100, Deduct	*-29.25*	
		For >100, Deduct	*-42.61*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	319.20	81.16
		For >25 To 50, Deduct	*-18.45*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-43.82*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	323.23	81.16
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-30.31*	
		For >100, Deduct	*-44.43*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	334.26	84.69
		For >25 To 50, Deduct	*-19.30*	
		For >50 To 100, Deduct	*-31.37*	
		For >100, Deduct	*-45.90*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	343.45	84.69
		For >25 To 50, Deduct	*-19.67*	
		For >50 To 100, Deduct	*-32.17*	
		For >100, Deduct	*-47.28*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	380.42	88.22
		For >25 To 50, Deduct	*-21.39*	
		For >50 To 100, Deduct	*-35.49*	
		For >100, Deduct	*-52.65*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	390.61	88.22
		For >25 To 50, Deduct	*-21.80*	
		For >50 To 100, Deduct	*-36.38*	
		For >100, Deduct	*-54.18*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	411.04	88.22
		For >25 To 50, Deduct	*-22.62*	
		For >50 To 100, Deduct	*-38.17*	
		For >100, Deduct	*-57.25*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.47	77.63
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-42.39*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.48	77.63
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-42.39*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	319.78	81.16
		For >25 To 50, Deduct	*-18.47*	
		For >50 To 100, Deduct	*-30.01*	
		For >100, Deduct	*-43.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	328.32	81.16
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-30.76*	
		For >100, Deduct	*-45.19*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	332.59	81.16
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-31.13*	
		For >100, Deduct	*-45.83*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	343.86	84.69
		For >25 To 50, Deduct	*-19.68*	
		For >50 To 100, Deduct	*-32.21*	
		For >100, Deduct	*-47.34*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	353.59	84.69
		For >25 To 50, Deduct	*-20.07*	
		For >50 To 100, Deduct	*-33.06*	
		For >100, Deduct	*-48.80*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	392.30	88.22
		For >25 To 50, Deduct	*-21.87*	
		For >50 To 100, Deduct	*-36.53*	
		For >100, Deduct	*-54.43*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	403.09	88.22
		For >25 To 50, Deduct	*-22.30*	
		For >50 To 100, Deduct	*-37.48*	
		For >100, Deduct	*-56.05*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	424.68	88.22
		For >25 To 50, Deduct	*-23.16*	
		For >50 To 100, Deduct	*-39.37*	
		For >100, Deduct	*-59.29*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	338.35	77.63
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-31.55*	
		For >100, Deduct	*-46.87*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	338.35	77.63
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-31.55*	
		For >100, Deduct	*-46.87*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	350.48	81.16
		For >25 To 50, Deduct	*-19.70*	
		For >50 To 100, Deduct	*-32.70*	
		For >100, Deduct	*-48.51*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	360.68	81.16
		For >25 To 50, Deduct	*-20.11*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-50.04*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	365.78	81.16
		For >25 To 50, Deduct	*-20.31*	
		For >50 To 100, Deduct	*-34.03*	
		For >100, Deduct	*-50.81*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	377.89	84.69
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-35.18*	
		For >100, Deduct	*-52.45*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	389.53	84.69
		For >25 To 50, Deduct	*-21.51*	
		For >50 To 100, Deduct	*-36.20*	
		For >100, Deduct	*-54.20*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	434.41	88.22
		For >25 To 50, Deduct	*-23.55*	
		For >50 To 100, Deduct	*-40.22*	
		For >100, Deduct	*-60.75*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	447.29	88.22
		For >25 To 50, Deduct	*-24.07*	
		For >50 To 100, Deduct	*-41.34*	
		For >100, Deduct	*-62.68*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	473.10	88.22
		For >25 To 50, Deduct	*-25.10*	
		For >50 To 100, Deduct	*-43.60*	
		For >100, Deduct	*-66.55*	

08 14 16 00-0283 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0284 Birch Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0285	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	323.23	77.63
		For 7 Ply Cold Press Construction, Deduct	*-3.36*	
		For Stave Lumber Core (SLC), Add	*125.97*	
		For Structural Composite Lumber Core (SCLC), Add	*75.58*	
		For >25 To 50, Deduct	*-18.36*	
		For >50 To 100, Deduct	*-30.22*	
		For >100, Deduct	*-44.60*	
08 14 16 00-0286	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	323.26	77.63
		For 7 Ply Cold Press Construction, Deduct	*-3.36*	
		For Stave Lumber Core (SLC), Add	*125.99*	
		For Structural Composite Lumber Core (SCLC), Add	*75.60*	
		For >25 To 50, Deduct	*-18.36*	
		For >50 To 100, Deduct	*-30.23*	
		For >100, Deduct	*-44.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0287	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.13	81.16
		For 7 Ply Cold Press Construction, Deduct	*-3.54*	
		For Stave Lumber Core (SLC), Add	*132.60*	
		For Structural Composite Lumber Core (SCLC), Add	*79.56*	
		For >25 To 50, Deduct	*-19.25*	
		For >50 To 100, Deduct	*-31.70*	
		For >100, Deduct	*-46.81*	
08 14 16 00-0288	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	347.94	81.16
		For 7 Ply Cold Press Construction, Deduct	*-3.71*	
		For Stave Lumber Core (SLC), Add	*139.21*	
		For Structural Composite Lumber Core (SCLC), Add	*83.52*	
		For >25 To 50, Deduct	*-19.60*	
		For >50 To 100, Deduct	*-32.47*	
		For >100, Deduct	*-48.13*	
08 14 16 00-0289	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	353.31	81.16
		For 7 Ply Cold Press Construction, Deduct	*-3.82*	
		For Stave Lumber Core (SLC), Add	*143.24*	
		For Structural Composite Lumber Core (SCLC), Add	*85.94*	
		For >25 To 50, Deduct	*-19.81*	
		For >50 To 100, Deduct	*-32.94*	
		For >100, Deduct	*-48.94*	
08 14 16 00-0290	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	365.76	84.69
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.29*	
		For Structural Composite Lumber Core (SCLC), Add	*88.37*	
		For >25 To 50, Deduct	*-20.56*	
		For >50 To 100, Deduct	*-34.12*	
		For >100, Deduct	*-50.63*	
08 14 16 00-0291	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	387.30	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.36*	
		For Stave Lumber Core (SLC), Add	*163.44*	
		For Structural Composite Lumber Core (SCLC), Add	*98.06*	
		For >25 To 50, Deduct	*-21.42*	
		For >50 To 100, Deduct	*-36.01*	
		For >100, Deduct	*-53.86*	
08 14 16 00-0292	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	408.30	88.22
		For 7 Ply Cold Press Construction, Deduct	*-4.64*	
		For Stave Lumber Core (SLC), Add	*173.90*	
		For Structural Composite Lumber Core (SCLC), Add	*104.34*	
		For >25 To 50, Deduct	*-22.51*	
		For >50 To 100, Deduct	*-37.93*	
		For >100, Deduct	*-56.83*	
08 14 16 00-0293	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	333.01	77.63
		For 7 Ply Cold Press Construction, Deduct	*-3.55*	
		For Stave Lumber Core (SLC), Add	*133.31*	
		For Structural Composite Lumber Core (SCLC), Add	*79.98*	
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-31.08*	
		For >100, Deduct	*-46.07*	
08 14 16 00-0294	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	333.02	77.63
		For 7 Ply Cold Press Construction, Deduct	*-3.56*	
		For Stave Lumber Core (SLC), Add	*133.31*	
		For Structural Composite Lumber Core (SCLC), Add	*79.99*	
		For >25 To 50, Deduct	*-18.76*	
		For >50 To 100, Deduct	*-31.08*	
		For >100, Deduct	*-46.07*	
08 14 16 00-0295	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	349.42	81.16
		For 7 Ply Cold Press Construction, Deduct	*-3.74*	
		For Stave Lumber Core (SLC), Add	*140.32*	
		For Structural Composite Lumber Core (SCLC), Add	*84.19*	
		For >25 To 50, Deduct	*-19.66*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-48.35*	
08 14 16 00-0296	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	358.75	81.16
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.32*	
		For Structural Composite Lumber Core (SCLC), Add	*88.39*	
		For >25 To 50, Deduct	*-20.03*	
		For >50 To 100, Deduct	*-33.42*	
		For >100, Deduct	*-49.75*	
08 14 16 00-0297	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	364.44	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.04*	
		For Stave Lumber Core (SLC), Add	*151.58*	
		For Structural Composite Lumber Core (SCLC), Add	*90.95*	
		For >25 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-33.92*	
		For >100, Deduct	*-50.61*	
08 14 16 00-0298	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	377.18	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.16*	
		For Stave Lumber Core (SLC), Add	*155.85*	
		For Structural Composite Lumber Core (SCLC), Add	*93.51*	
		For >25 To 50, Deduct	*-21.02*	
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-52.34*	
08 14 16 00-0299	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	399.99	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.96*	
		For Structural Composite Lumber Core (SCLC), Add	*103.77*	
		For >25 To 50, Deduct	*-21.93*	
		For >50 To 100, Deduct	*-37.12*	
		For >100, Deduct	*-55.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0300	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	421.79	88.22
		For 7 Ply Cold Press Construction, Deduct	*-4.91*	
		For Stave Lumber Core (SLC), Add	*184.01*	
		For Structural Composite Lumber Core (SCLC), Add	*110.41*	
		For >25 To 50, Deduct	*-23.05*	
		For >50 To 100, Deduct	*-39.11*	
		For >100, Deduct	*-58.86*	
08 14 16 00-0301	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.68	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.31*	
		For Structural Composite Lumber Core (SCLC), Add	*95.58*	
		For >25 To 50, Deduct	*-20.14*	
		For >50 To 100, Deduct	*-34.11*	
		For >100, Deduct	*-51.27*	
08 14 16 00-0302	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.68	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.31*	
		For Structural Composite Lumber Core (SCLC), Add	*95.58*	
		For >25 To 50, Deduct	*-20.14*	
		For >50 To 100, Deduct	*-34.11*	
		For >100, Deduct	*-51.27*	
08 14 16 00-0303	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	385.90	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.68*	
		For Structural Composite Lumber Core (SCLC), Add	*100.61*	
		For >25 To 50, Deduct	*-21.12*	
		For >50 To 100, Deduct	*-35.80*	
		For >100, Deduct	*-53.83*	
08 14 16 00-0304	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	397.05	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.69*	
		For Stave Lumber Core (SLC), Add	*176.04*	
		For Structural Composite Lumber Core (SCLC), Add	*105.62*	
		For >25 To 50, Deduct	*-21.56*	
		For >50 To 100, Deduct	*-36.77*	
		For >100, Deduct	*-55.50*	
08 14 16 00-0305	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	403.84	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*181.13*	
		For Structural Composite Lumber Core (SCLC), Add	*108.68*	
		For >25 To 50, Deduct	*-21.84*	
		For >50 To 100, Deduct	*-37.37*	
		For >100, Deduct	*-56.52*	
08 14 16 00-0306	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.71	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.25*	
		For Structural Composite Lumber Core (SCLC), Add	*111.75*	
		For >25 To 50, Deduct	*-22.64*	
		For >50 To 100, Deduct	*-38.67*	
		For >100, Deduct	*-58.42*	
08 14 16 00-0307	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	444.95	84.69
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.68*	
		For Structural Composite Lumber Core (SCLC), Add	*124.01*	
		For >25 To 50, Deduct	*-23.73*	
		For >50 To 100, Deduct	*-41.05*	
		For >100, Deduct	*-62.51*	
08 14 16 00-0308	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	469.63	88.22
		For 7 Ply Cold Press Construction, Deduct	*-5.86*	
		For Stave Lumber Core (SLC), Add	*219.89*	
		For Structural Composite Lumber Core (SCLC), Add	*131.94*	
		For >25 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-43.30*	
		For >100, Deduct	*-66.03*	

08 14 16 00-0309 Oak Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0310	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	449.73	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.89*	
		For Stave Lumber Core (SLC), Add	*220.85*	
		For Structural Composite Lumber Core (SCLC), Add	*132.51*	
		For >25 To 50, Deduct	*-23.42*	
		For >50 To 100, Deduct	*-41.29*	
		For >100, Deduct	*-63.58*	
08 14 16 00-0311	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	449.73	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.89*	
		For Stave Lumber Core (SLC), Add	*220.85*	
		For Structural Composite Lumber Core (SCLC), Add	*132.51*	
		For >25 To 50, Deduct	*-23.42*	
		For >50 To 100, Deduct	*-41.29*	
		For >100, Deduct	*-63.58*	
08 14 16 00-0312	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	472.29	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.20*	
		For Stave Lumber Core (SLC), Add	*232.47*	
		For Structural Composite Lumber Core (SCLC), Add	*139.48*	
		For >25 To 50, Deduct	*-24.57*	
		For >50 To 100, Deduct	*-43.35*	
		For >100, Deduct	*-66.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0313	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	487.75	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.51*	
		For Stave Lumber Core (SLC), Add	*244.07*	
		For Structural Composite Lumber Core (SCLC), Add	*146.44*	
		For >25 To 50, Deduct	*-25.19*	
		For >50 To 100, Deduct	*-44.71*	
		For >100, Deduct	*-69.10*	
08 14 16 00-0314	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	497.16	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.70*	
		For Stave Lumber Core (SLC), Add	*251.12*	
		For Structural Composite Lumber Core (SCLC), Add	*150.67*	
		For >25 To 50, Deduct	*-25.57*	
		For >50 To 100, Deduct	*-45.53*	
		For >100, Deduct	*-70.52*	
08 14 16 00-0315	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	513.67	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.22*	
		For Structural Composite Lumber Core (SCLC), Add	*154.93*	
		For >25 To 50, Deduct	*-26.48*	
		For >50 To 100, Deduct	*-47.06*	
		For >100, Deduct	*-72.82*	
08 14 16 00-0316	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	551.44	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.64*	
		For Stave Lumber Core (SLC), Add	*286.55*	
		For Structural Composite Lumber Core (SCLC), Add	*171.93*	
		For >25 To 50, Deduct	*-27.99*	
		For >50 To 100, Deduct	*-50.37*	
		For >100, Deduct	*-78.48*	
08 14 16 00-0317	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	582.91	88.22
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.85*	
		For Structural Composite Lumber Core (SCLC), Add	*182.91*	
		For >25 To 50, Deduct	*-29.49*	
		For >50 To 100, Deduct	*-53.21*	
		For >100, Deduct	*-83.03*	
08 14 16 00-0318	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	466.86	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.69*	
		For Structural Composite Lumber Core (SCLC), Add	*140.22*	
		For >25 To 50, Deduct	*-24.11*	
		For >50 To 100, Deduct	*-42.79*	
		For >100, Deduct	*-66.15*	
08 14 16 00-0319	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	466.86	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.69*	
		For Structural Composite Lumber Core (SCLC), Add	*140.22*	
		For >25 To 50, Deduct	*-24.11*	
		For >50 To 100, Deduct	*-42.79*	
		For >100, Deduct	*-66.15*	
08 14 16 00-0320	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	490.35	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.56*	
		For Stave Lumber Core (SLC), Add	*246.02*	
		For Structural Composite Lumber Core (SCLC), Add	*147.61*	
		For >25 To 50, Deduct	*-25.30*	
		For >50 To 100, Deduct	*-44.93*	
		For >100, Deduct	*-69.49*	
08 14 16 00-0321	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	506.70	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.28*	
		For Structural Composite Lumber Core (SCLC), Add	*154.97*	
		For >25 To 50, Deduct	*-25.95*	
		For >50 To 100, Deduct	*-46.37*	
		For >100, Deduct	*-71.95*	
08 14 16 00-0322	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	516.65	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.09*	
		For Stave Lumber Core (SLC), Add	*265.74*	
		For Structural Composite Lumber Core (SCLC), Add	*159.44*	
		For >25 To 50, Deduct	*-26.35*	
		For >50 To 100, Deduct	*-47.24*	
		For >100, Deduct	*-73.44*	
08 14 16 00-0323	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	533.70	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.24*	
		For Structural Composite Lumber Core (SCLC), Add	*163.94*	
		For >25 To 50, Deduct	*-27.28*	
		For >50 To 100, Deduct	*-48.82*	
		For >100, Deduct	*-75.82*	
08 14 16 00-0324	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	573.68	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.09*	
		For Stave Lumber Core (SLC), Add	*303.23*	
		For Structural Composite Lumber Core (SCLC), Add	*181.94*	
		For >25 To 50, Deduct	*-28.88*	
		For >50 To 100, Deduct	*-52.31*	
		For >100, Deduct	*-81.82*	
08 14 16 00-0325	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	606.59	88.22
		For 7 Ply Cold Press Construction, Deduct	*-8.60*	
		For Stave Lumber Core (SLC), Add	*322.61*	
		For Structural Composite Lumber Core (SCLC), Add	*193.57*	
		For >25 To 50, Deduct	*-30.44*	
		For >50 To 100, Deduct	*-55.28*	
		For >100, Deduct	*-86.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0326	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.61	77.63
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.26*	
		For Structural Composite Lumber Core (SCLC), Add	*167.55*	
		For >25 To 50, Deduct	*-26.54*	
		For >50 To 100, Deduct	*-48.11*	
		For >100, Deduct	*-75.26*	
08 14 16 00-0327	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.61	77.63
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.26*	
		For Structural Composite Lumber Core (SCLC), Add	*167.55*	
		For >25 To 50, Deduct	*-26.54*	
		For >50 To 100, Deduct	*-48.11*	
		For >100, Deduct	*-75.26*	
08 14 16 00-0328	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	554.31	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.84*	
		For Stave Lumber Core (SLC), Add	*293.99*	
		For Structural Composite Lumber Core (SCLC), Add	*176.39*	
		For >25 To 50, Deduct	*-27.85*	
		For >50 To 100, Deduct	*-50.53*	
		For >100, Deduct	*-79.09*	
08 14 16 00-0329	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	573.84	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.23*	
		For Stave Lumber Core (SLC), Add	*308.63*	
		For Structural Composite Lumber Core (SCLC), Add	*185.18*	
		For >25 To 50, Deduct	*-28.64*	
		For >50 To 100, Deduct	*-52.24*	
		For >100, Deduct	*-82.02*	
08 14 16 00-0330	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.74	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.56*	
		For Structural Composite Lumber Core (SCLC), Add	*190.53*	
		For >25 To 50, Deduct	*-29.11*	
		For >50 To 100, Deduct	*-53.28*	
		For >100, Deduct	*-83.80*	
08 14 16 00-0331	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	604.76	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.71*	
		For Stave Lumber Core (SLC), Add	*326.54*	
		For Structural Composite Lumber Core (SCLC), Add	*195.92*	
		For >25 To 50, Deduct	*-30.12*	
		For >50 To 100, Deduct	*-55.03*	
		For >100, Deduct	*-86.48*	
08 14 16 00-0332	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	652.53	84.69
		For 7 Ply Cold Press Construction, Deduct	*-9.66*	
		For Stave Lumber Core (SLC), Add	*362.36*	
		For Structural Composite Lumber Core (SCLC), Add	*217.42*	
		For >25 To 50, Deduct	*-32.03*	
		For >50 To 100, Deduct	*-59.21*	
		For >100, Deduct	*-93.65*	
08 14 16 00-0333	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	690.47	88.22
		For 7 Ply Cold Press Construction, Deduct	*-10.28*	
		For Stave Lumber Core (SLC), Add	*385.52*	
		For Structural Composite Lumber Core (SCLC), Add	*231.31*	
		For >25 To 50, Deduct	*-33.79*	
		For >50 To 100, Deduct	*-62.62*	
		For >100, Deduct	*-99.16*	

08 14 16 00-0334 Maple Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0335	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	403.98	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.53*	
		For Structural Composite Lumber Core (SCLC), Add	*111.92*	
		For >25 To 50, Deduct	*-21.59*	
		For >50 To 100, Deduct	*-37.29*	
		For >100, Deduct	*-56.72*	
08 14 16 00-0336	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	403.98	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.53*	
		For Structural Composite Lumber Core (SCLC), Add	*111.92*	
		For >25 To 50, Deduct	*-21.59*	
		For >50 To 100, Deduct	*-37.29*	
		For >100, Deduct	*-56.72*	
08 14 16 00-0337	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	424.13	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.35*	
		For Structural Composite Lumber Core (SCLC), Add	*117.81*	
		For >25 To 50, Deduct	*-22.65*	
		For >50 To 100, Deduct	*-39.14*	
		For >100, Deduct	*-59.56*	
08 14 16 00-0338	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	437.19	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.50*	
		For Stave Lumber Core (SLC), Add	*206.15*	
		For Structural Composite Lumber Core (SCLC), Add	*123.69*	
		For >25 To 50, Deduct	*-23.17*	
		For >50 To 100, Deduct	*-40.28*	
		For >100, Deduct	*-61.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0339	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	445.13	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.66*	
		For Stave Lumber Core (SLC), Add	*212.10*	
		For Structural Composite Lumber Core (SCLC), Add	*127.26*	
		For >25 To 50, Deduct	*-23.49*	
		For >50 To 100, Deduct	*-40.98*	
		For >100, Deduct	*-62.71*	
08 14 16 00-0340	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	460.17	84.69
		For 7 Ply Cold Press Construction, Deduct	*-5.82*	
		For Stave Lumber Core (SLC), Add	*218.09*	
		For Structural Composite Lumber Core (SCLC), Add	*130.86*	
		For >25 To 50, Deduct	*-24.34*	
		For >50 To 100, Deduct	*-42.38*	
		For >100, Deduct	*-64.79*	
08 14 16 00-0341	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	492.08	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*242.03*	
		For Structural Composite Lumber Core (SCLC), Add	*145.22*	
		For >25 To 50, Deduct	*-25.61*	
		For >50 To 100, Deduct	*-45.17*	
		For >100, Deduct	*-69.58*	
08 14 16 00-0342	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	519.75	88.22
		For 7 Ply Cold Press Construction, Deduct	*-6.87*	
		For Stave Lumber Core (SLC), Add	*257.48*	
		For Structural Composite Lumber Core (SCLC), Add	*154.49*	
		For >25 To 50, Deduct	*-26.97*	
		For >50 To 100, Deduct	*-47.68*	
		For >100, Deduct	*-73.55*	
08 14 16 00-0343	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	418.44	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.38*	
		For Structural Composite Lumber Core (SCLC), Add	*118.43*	
		For >25 To 50, Deduct	*-22.17*	
		For >50 To 100, Deduct	*-38.55*	
		For >100, Deduct	*-58.88*	
08 14 16 00-0344	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	418.44	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.38*	
		For Structural Composite Lumber Core (SCLC), Add	*118.43*	
		For >25 To 50, Deduct	*-22.17*	
		For >50 To 100, Deduct	*-38.55*	
		For >100, Deduct	*-58.88*	
08 14 16 00-0345	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	439.38	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.54*	
		For Stave Lumber Core (SLC), Add	*207.79*	
		For Structural Composite Lumber Core (SCLC), Add	*124.67*	
		For >25 To 50, Deduct	*-23.26*	
		For >50 To 100, Deduct	*-40.47*	
		For >100, Deduct	*-61.85*	
08 14 16 00-0346	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	453.20	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.82*	
		For Stave Lumber Core (SLC), Add	*218.15*	
		For Structural Composite Lumber Core (SCLC), Add	*130.89*	
		For >25 To 50, Deduct	*-23.81*	
		For >50 To 100, Deduct	*-41.68*	
		For >100, Deduct	*-63.92*	
08 14 16 00-0347	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	461.60	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.99*	
		For Stave Lumber Core (SLC), Add	*224.45*	
		For Structural Composite Lumber Core (SCLC), Add	*134.67*	
		For >25 To 50, Deduct	*-24.15*	
		For >50 To 100, Deduct	*-42.42*	
		For >100, Deduct	*-65.18*	
08 14 16 00-0348	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.11	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.15*	
		For Stave Lumber Core (SLC), Add	*230.80*	
		For Structural Composite Lumber Core (SCLC), Add	*138.48*	
		For >25 To 50, Deduct	*-25.01*	
		For >50 To 100, Deduct	*-43.86*	
		For >100, Deduct	*-67.33*	
08 14 16 00-0349	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	510.87	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.83*	
		For Stave Lumber Core (SLC), Add	*256.12*	
		For Structural Composite Lumber Core (SCLC), Add	*153.67*	
		For >25 To 50, Deduct	*-26.36*	
		For >50 To 100, Deduct	*-46.82*	
		For >100, Deduct	*-72.40*	
08 14 16 00-0350	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	539.74	88.22
		For 7 Ply Cold Press Construction, Deduct	*-7.27*	
		For Stave Lumber Core (SLC), Add	*272.48*	
		For Structural Composite Lumber Core (SCLC), Add	*163.49*	
		For >25 To 50, Deduct	*-27.77*	
		For >50 To 100, Deduct	*-49.43*	
		For >100, Deduct	*-76.55*	
08 14 16 00-0351	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	469.76	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.87*	
		For Structural Composite Lumber Core (SCLC), Add	*141.52*	
		For >25 To 50, Deduct	*-24.22*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-66.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0352	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	469.76	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.87*	
		For Structural Composite Lumber Core (SCLC), Add	*141.52*	
		For >25 To 50, Deduct	*-24.22*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-66.58*	
08 14 16 00-0353	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	493.40	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.62*	
		For Stave Lumber Core (SLC), Add	*248.30*	
		For Structural Composite Lumber Core (SCLC), Add	*148.98*	
		For >25 To 50, Deduct	*-25.42*	
		For >50 To 100, Deduct	*-45.20*	
		For >100, Deduct	*-69.95*	
08 14 16 00-0354	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	509.90	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.95*	
		For Stave Lumber Core (SLC), Add	*260.68*	
		For Structural Composite Lumber Core (SCLC), Add	*156.41*	
		For >25 To 50, Deduct	*-26.08*	
		For >50 To 100, Deduct	*-46.65*	
		For >100, Deduct	*-72.43*	
08 14 16 00-0355	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	519.96	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.15*	
		For Stave Lumber Core (SLC), Add	*268.22*	
		For Structural Composite Lumber Core (SCLC), Add	*160.93*	
		For >25 To 50, Deduct	*-26.48*	
		For >50 To 100, Deduct	*-47.53*	
		For >100, Deduct	*-73.94*	
08 14 16 00-0356	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	537.10	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.35*	
		For Stave Lumber Core (SLC), Add	*275.79*	
		For Structural Composite Lumber Core (SCLC), Add	*165.47*	
		For >25 To 50, Deduct	*-27.41*	
		For >50 To 100, Deduct	*-49.11*	
		For >100, Deduct	*-76.33*	
08 14 16 00-0357	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	577.46	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.16*	
		For Stave Lumber Core (SLC), Add	*306.06*	
		For Structural Composite Lumber Core (SCLC), Add	*183.64*	
		For >25 To 50, Deduct	*-29.03*	
		For >50 To 100, Deduct	*-52.65*	
		For >100, Deduct	*-82.38*	
08 14 16 00-0358	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	610.59	88.22
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.61*	
		For Structural Composite Lumber Core (SCLC), Add	*195.37*	
		For >25 To 50, Deduct	*-30.60*	
		For >50 To 100, Deduct	*-55.63*	
		For >100, Deduct	*-87.18*	

08 14 16 00-0359 Lauan Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0360	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	269.51	77.63
		For >25 To 50, Deduct	*-16.21*	
		For >50 To 100, Deduct	*-25.52*	
		For >100, Deduct	*-36.54*	
08 14 16 00-0361	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	269.51	77.63
		For >25 To 50, Deduct	*-16.21*	
		For >50 To 100, Deduct	*-25.52*	
		For >100, Deduct	*-36.54*	
08 14 16 00-0362	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	282.82	81.16
		For >25 To 50, Deduct	*-16.99*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-38.36*	
08 14 16 00-0363	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	289.12	81.16
		For >25 To 50, Deduct	*-17.25*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-39.31*	
08 14 16 00-0364	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	292.28	81.16
		For >25 To 50, Deduct	*-17.37*	
		For >50 To 100, Deduct	*-27.60*	
		For >100, Deduct	*-39.78*	
08 14 16 00-0365	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.52	84.69
		For >25 To 50, Deduct	*-18.03*	
		For >50 To 100, Deduct	*-28.59*	
		For >100, Deduct	*-41.14*	
08 14 16 00-0366	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	317.14	84.69
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-29.87*	
		For >100, Deduct	*-43.34*	
08 14 16 00-0367	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	335.78	88.22
		For >25 To 50, Deduct	*-19.61*	
		For >50 To 100, Deduct	*-31.59*	
		For >100, Deduct	*-45.96*	
08 14 16 00-0368	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	276.16	77.63
		For >25 To 50, Deduct	*-16.48*	
		For >50 To 100, Deduct	*-26.10*	
		For >100, Deduct	*-37.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0369	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	276.16	77.63
		For >25 To 50, Deduct	*-16.48*	
		For >50 To 100, Deduct	*-26.10*	
		For >100, Deduct	*-37.54*	
08 14 16 00-0370	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	289.84	81.16
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-27.39*	
		For >100, Deduct	*-39.42*	
08 14 16 00-0371	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	296.50	81.16
		For >25 To 50, Deduct	*-17.54*	
		For >50 To 100, Deduct	*-27.97*	
		For >100, Deduct	*-40.42*	
08 14 16 00-0372	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	299.86	81.16
		For >25 To 50, Deduct	*-17.68*	
		For >50 To 100, Deduct	*-28.27*	
		For >100, Deduct	*-40.92*	
08 14 16 00-0373	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	310.26	84.69
		For >25 To 50, Deduct	*-18.34*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-42.30*	
08 14 16 00-0374	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	325.75	84.69
		For >25 To 50, Deduct	*-18.96*	
		For >50 To 100, Deduct	*-30.62*	
		For >100, Deduct	*-44.63*	
08 14 16 00-0375	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	345.05	88.22
		For >25 To 50, Deduct	*-19.98*	
		For >50 To 100, Deduct	*-32.40*	
		For >100, Deduct	*-47.35*	
08 14 16 00-0376	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	299.74	77.63
		For >25 To 50, Deduct	*-17.42*	
		For >50 To 100, Deduct	*-28.17*	
		For >100, Deduct	*-41.08*	
08 14 16 00-0377	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	299.74	77.63
		For >25 To 50, Deduct	*-17.42*	
		For >50 To 100, Deduct	*-28.17*	
		For >100, Deduct	*-41.08*	
08 14 16 00-0378	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	314.70	81.16
		For >25 To 50, Deduct	*-18.27*	
		For >50 To 100, Deduct	*-29.57*	
		For >100, Deduct	*-43.15*	
08 14 16 00-0379	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	322.67	81.16
		For >25 To 50, Deduct	*-18.59*	
		For >50 To 100, Deduct	*-30.26*	
		For >100, Deduct	*-44.34*	
08 14 16 00-0380	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.68	81.16
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-30.61*	
		For >100, Deduct	*-44.94*	
08 14 16 00-0381	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	337.74	84.69
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-31.67*	
		For >100, Deduct	*-46.43*	
08 14 16 00-0382	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	356.24	84.69
		For >25 To 50, Deduct	*-20.18*	
		For >50 To 100, Deduct	*-33.29*	
		For >100, Deduct	*-49.20*	
08 14 16 00-0383	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	377.92	88.22
		For >25 To 50, Deduct	*-21.29*	
		For >50 To 100, Deduct	*-35.27*	
		For >100, Deduct	*-52.28*	

08 14 16 00-0384 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0385	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	262.66	77.63
		For Stave Lumber Core (SLC), Add	*80.54*	
		For Structural Composite Lumber Core (SCLC), Add	*48.33*	
		For >25 To 50, Deduct	*-15.94*	
		For >50 To 100, Deduct	*-24.92*	
		For >100, Deduct	*-35.52*	
08 14 16 00-0386	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	262.66	77.63
		For Stave Lumber Core (SLC), Add	*80.54*	
		For Structural Composite Lumber Core (SCLC), Add	*48.33*	
		For >25 To 50, Deduct	*-15.94*	
		For >50 To 100, Deduct	*-24.92*	
		For >100, Deduct	*-35.52*	
08 14 16 00-0387	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.96	81.16
		For Stave Lumber Core (SLC), Add	*85.22*	
		For Structural Composite Lumber Core (SCLC), Add	*51.13*	
		For >25 To 50, Deduct	*-16.72*	
		For >50 To 100, Deduct	*-26.18*	
		For >100, Deduct	*-37.34*	
08 14 16 00-0388	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.18	81.16
		For Stave Lumber Core (SLC), Add	*89.89*	
		For Structural Composite Lumber Core (SCLC), Add	*53.93*	
		For >25 To 50, Deduct	*-16.97*	
		For >50 To 100, Deduct	*-26.72*	
		For >100, Deduct	*-38.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0389	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	283.32	81.16
		For Stave Lumber Core (SLC), Add	*90.74*	
		For Structural Composite Lumber Core (SCLC), Add	*54.45*	
		For >25 To 50, Deduct	*-17.01*	
		For >50 To 100, Deduct	*-26.82*	
		For >100, Deduct	*-38.44*	
08 14 16 00-0390	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	291.53	84.69
		For Stave Lumber Core (SLC), Add	*91.61*	
		For Structural Composite Lumber Core (SCLC), Add	*54.97*	
		For >25 To 50, Deduct	*-17.59*	
		For >50 To 100, Deduct	*-27.63*	
		For >100, Deduct	*-39.50*	
08 14 16 00-0391	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	305.00	84.69
		For Stave Lumber Core (SLC), Add	*101.72*	
		For Structural Composite Lumber Core (SCLC), Add	*61.03*	
		For >25 To 50, Deduct	*-18.13*	
		For >50 To 100, Deduct	*-28.80*	
		For >100, Deduct	*-41.52*	
08 14 16 00-0392	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	336.63	88.22
		For Stave Lumber Core (SLC), Add	*120.14*	
		For Structural Composite Lumber Core (SCLC), Add	*72.09*	
		For >25 To 50, Deduct	*-19.64*	
		For >50 To 100, Deduct	*-31.66*	
		For >100, Deduct	*-46.08*	
08 14 16 00-0393	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	268.91	77.63
		For Stave Lumber Core (SLC), Add	*85.23*	
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For >25 To 50, Deduct	*-16.19*	
		For >50 To 100, Deduct	*-25.47*	
		For >100, Deduct	*-36.45*	
08 14 16 00-0394	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	268.92	77.63
		For Stave Lumber Core (SLC), Add	*85.24*	
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For >25 To 50, Deduct	*-16.19*	
		For >50 To 100, Deduct	*-25.47*	
		For >100, Deduct	*-36.46*	
08 14 16 00-0395	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.57	81.16
		For Stave Lumber Core (SLC), Add	*90.18*	
		For Structural Composite Lumber Core (SCLC), Add	*54.11*	
		For >25 To 50, Deduct	*-16.98*	
		For >50 To 100, Deduct	*-26.75*	
		For >100, Deduct	*-38.33*	
08 14 16 00-0396	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	289.15	81.16
		For Stave Lumber Core (SLC), Add	*95.12*	
		For Structural Composite Lumber Core (SCLC), Add	*57.07*	
		For >25 To 50, Deduct	*-17.25*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-39.31*	
08 14 16 00-0397	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	290.36	81.16
		For Stave Lumber Core (SLC), Add	*96.02*	
		For Structural Composite Lumber Core (SCLC), Add	*57.61*	
		For >25 To 50, Deduct	*-17.30*	
		For >50 To 100, Deduct	*-27.44*	
		For >100, Deduct	*-39.50*	
08 14 16 00-0398	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.64	84.69
		For Stave Lumber Core (SLC), Add	*96.95*	
		For Structural Composite Lumber Core (SCLC), Add	*58.17*	
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-40.56*	
08 14 16 00-0399	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	312.89	84.69
		For Stave Lumber Core (SLC), Add	*107.63*	
		For Structural Composite Lumber Core (SCLC), Add	*64.58*	
		For >25 To 50, Deduct	*-18.44*	
		For >50 To 100, Deduct	*-29.50*	
		For >100, Deduct	*-42.70*	
08 14 16 00-0400	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	345.96	88.22
		For Stave Lumber Core (SLC), Add	*127.14*	
		For Structural Composite Lumber Core (SCLC), Add	*76.28*	
		For >25 To 50, Deduct	*-20.01*	
		For >50 To 100, Deduct	*-32.48*	
		For >100, Deduct	*-47.48*	
08 14 16 00-0401	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	291.06	77.63
		For Stave Lumber Core (SLC), Add	*101.84*	
		For Structural Composite Lumber Core (SCLC), Add	*61.11*	
		For >25 To 50, Deduct	*-17.08*	
		For >50 To 100, Deduct	*-27.41*	
		For >100, Deduct	*-39.78*	
08 14 16 00-0402	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	291.08	77.63
		For Stave Lumber Core (SLC), Add	*101.86*	
		For Structural Composite Lumber Core (SCLC), Add	*61.11*	
		For >25 To 50, Deduct	*-17.08*	
		For >50 To 100, Deduct	*-27.41*	
		For >100, Deduct	*-39.78*	
08 14 16 00-0403	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.02	81.16
		For Stave Lumber Core (SLC), Add	*107.77*	
		For Structural Composite Lumber Core (SCLC), Add	*64.66*	
		For >25 To 50, Deduct	*-17.92*	
		For >50 To 100, Deduct	*-28.81*	
		For >100, Deduct	*-41.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0404	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	313.87	81.16
		For Stave Lumber Core (SLC), Add	*113.66*	
		For Structural Composite Lumber Core (SCLC), Add	*68.19*	
		For >25 To 50, Deduct	*-18.24*	
		For >50 To 100, Deduct	*-29.49*	
		For >100, Deduct	*-43.02*	
08 14 16 00-0405	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	315.32	81.16
		For Stave Lumber Core (SLC), Add	*114.74*	
		For Structural Composite Lumber Core (SCLC), Add	*68.85*	
		For >25 To 50, Deduct	*-18.29*	
		For >50 To 100, Deduct	*-29.62*	
		For >100, Deduct	*-43.24*	
08 14 16 00-0406	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	323.85	84.69
		For Stave Lumber Core (SLC), Add	*115.85*	
		For Structural Composite Lumber Core (SCLC), Add	*69.51*	
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-30.45*	
		For >100, Deduct	*-44.34*	
08 14 16 00-0407	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	340.89	84.69
		For Stave Lumber Core (SLC), Add	*128.63*	
		For Structural Composite Lumber Core (SCLC), Add	*77.18*	
		For >25 To 50, Deduct	*-19.56*	
		For >50 To 100, Deduct	*-31.95*	
		For >100, Deduct	*-46.90*	
08 14 16 00-0408	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	379.02	88.22
		For Stave Lumber Core (SLC), Add	*151.94*	
		For Structural Composite Lumber Core (SCLC), Add	*91.16*	
		For >25 To 50, Deduct	*-21.34*	
		For >50 To 100, Deduct	*-35.37*	
		For >100, Deduct	*-52.44*	

08 14 16 00-0409 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0410 Birch Faced Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0411	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.72	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.34*	
		For Structural Composite Lumber Core (SCLC), Add	*92.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*352.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.34*	
		For >25 To 50, Deduct	*-19.82*	
		For >50 To 100, Deduct	*-33.42*	
		For >100, Deduct	*-50.08*	
08 14 16 00-0412	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.72	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.34*	
		For Structural Composite Lumber Core (SCLC), Add	*92.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*352.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.34*	
		For >25 To 50, Deduct	*-19.82*	
		For >50 To 100, Deduct	*-33.42*	
		For >100, Deduct	*-50.08*	
08 14 16 00-0413	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	356.01	81.16
		For 7 Ply Cold Press Construction, Deduct	*-3.87*	
		For Stave Lumber Core (SLC), Add	*145.26*	
		For Structural Composite Lumber Core (SCLC), Add	*87.16*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*334.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.42*	
		For >25 To 50, Deduct	*-19.92*	
		For >50 To 100, Deduct	*-33.18*	
		For >100, Deduct	*-49.34*	
08 14 16 00-0414	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	364.08	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.04*	
		For Stave Lumber Core (SLC), Add	*151.31*	
		For Structural Composite Lumber Core (SCLC), Add	*90.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*348.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.10*	
		For >25 To 50, Deduct	*-20.24*	
		For >50 To 100, Deduct	*-33.89*	
		For >100, Deduct	*-50.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0415	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	369.48	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.14*	
		For Stave Lumber Core (SLC), Add	*155.36*	
		For Structural Composite Lumber Core (SCLC), Add	*93.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*357.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.58*	
		For >25 To 50, Deduct	*-20.46*	
		For >50 To 100, Deduct	*-34.36*	
		For >100, Deduct	*-51.36*	
08 14 16 00-0416	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	381.90	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.39*	
		For Structural Composite Lumber Core (SCLC), Add	*95.63*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*366.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.02*	
		For >25 To 50, Deduct	*-21.20*	
		For >50 To 100, Deduct	*-35.53*	
		For >100, Deduct	*-53.05*	
08 14 16 00-0417	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.27	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.72*	
		For Stave Lumber Core (SLC), Add	*176.92*	
		For Structural Composite Lumber Core (SCLC), Add	*106.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*406.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*176.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*283.07*	
		For >25 To 50, Deduct	*-22.14*	
		For >50 To 100, Deduct	*-37.58*	
		For >100, Deduct	*-56.56*	
08 14 16 00-0418	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	462.84	88.22
		For 7 Ply Cold Press Construction, Deduct	*-5.73*	
		For Stave Lumber Core (SLC), Add	*214.80*	
		For Structural Composite Lumber Core (SCLC), Add	*128.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*494.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*154.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*214.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*343.68*	
		For >25 To 50, Deduct	*-24.69*	
		For >50 To 100, Deduct	*-42.70*	
		For >100, Deduct	*-65.02*	
08 14 16 00-0419	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	477.16	88.22
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*225.54*	
		For Structural Composite Lumber Core (SCLC), Add	*135.32*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*518.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*225.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*360.86*	
		For >25 To 50, Deduct	*-25.26*	
		For >50 To 100, Deduct	*-43.96*	
		For >100, Deduct	*-67.16*	
08 14 16 00-0420	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	519.91	95.28
		For 7 Ply Cold Press Construction, Deduct	*-6.59*	
		For Stave Lumber Core (SLC), Add	*247.01*	
		For Structural Composite Lumber Core (SCLC), Add	*148.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*568.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*395.22*	
		For >25 To 50, Deduct	*-27.47*	
		For >50 To 100, Deduct	*-47.87*	
		For >100, Deduct	*-73.22*	
08 14 16 00-0421	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	350.05	77.63
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*336.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.74*	
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-32.57*	
		For >100, Deduct	*-48.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0422	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	350.05	77.63
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*336.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.74*	
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-32.57*	
		For >100, Deduct	*-48.63*	
08 14 16 00-0423	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.29	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.10*	
		For Stave Lumber Core (SLC), Add	*153.72*	
		For Structural Composite Lumber Core (SCLC), Add	*92.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*353.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.95*	
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-34.17*	
		For >100, Deduct	*-51.04*	
08 14 16 00-0424	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.83	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.27*	
		For Stave Lumber Core (SLC), Add	*160.13*	
		For Structural Composite Lumber Core (SCLC), Add	*96.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*368.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.20*	
		For >25 To 50, Deduct	*-20.71*	
		For >50 To 100, Deduct	*-34.91*	
		For >100, Deduct	*-52.32*	
08 14 16 00-0425	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	381.53	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.38*	
		For Stave Lumber Core (SLC), Add	*164.40*	
		For Structural Composite Lumber Core (SCLC), Add	*98.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*378.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.04*	
		For >25 To 50, Deduct	*-20.94*	
		For >50 To 100, Deduct	*-35.41*	
		For >100, Deduct	*-53.17*	
08 14 16 00-0426	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	394.26	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.50*	
		For Stave Lumber Core (SLC), Add	*168.66*	
		For Structural Composite Lumber Core (SCLC), Add	*101.20*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*387.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.86*	
		For >25 To 50, Deduct	*-21.70*	
		For >50 To 100, Deduct	*-36.62*	
		For >100, Deduct	*-54.90*	
08 14 16 00-0427	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	419.00	84.69
		For 7 Ply Cold Press Construction, Deduct	*-4.99*	
		For Stave Lumber Core (SLC), Add	*187.22*	
		For Structural Composite Lumber Core (SCLC), Add	*112.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*430.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*299.54*	
		For >25 To 50, Deduct	*-22.69*	
		For >50 To 100, Deduct	*-38.78*	
		For >100, Deduct	*-58.62*	
08 14 16 00-0428	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	479.51	88.22
		For 7 Ply Cold Press Construction, Deduct	*-6.06*	
		For Stave Lumber Core (SLC), Add	*227.30*	
		For Structural Composite Lumber Core (SCLC), Add	*136.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*522.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*163.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*227.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*363.68*	
		For >25 To 50, Deduct	*-25.36*	
		For >50 To 100, Deduct	*-44.16*	
		For >100, Deduct	*-67.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0429	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	494.67	88.22
		For 7 Ply Cold Press Construction, Deduct	*-6.36*	
		For Stave Lumber Core (SLC), Add	*238.67*	
		For Structural Composite Lumber Core (SCLC), Add	*143.20*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*548.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*381.88*	
		For >25 To 50, Deduct	*-25.96*	
		For >50 To 100, Deduct	*-45.49*	
		For >100, Deduct	*-69.79*	
08 14 16 00-0430	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	539.08	95.28
		For 7 Ply Cold Press Construction, Deduct	*-6.97*	
		For Stave Lumber Core (SLC), Add	*261.39*	
		For Structural Composite Lumber Core (SCLC), Add	*156.83*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*601.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*188.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*261.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*418.22*	
		For >25 To 50, Deduct	*-28.23*	
		For >50 To 100, Deduct	*-49.55*	
		For >100, Deduct	*-76.10*	
08 14 16 00-0431	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	413.80	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.90*	
		For Structural Composite Lumber Core (SCLC), Add	*116.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*445.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.24*	
		For >25 To 50, Deduct	*-21.99*	
		For >50 To 100, Deduct	*-38.15*	
		For >100, Deduct	*-58.19*	
08 14 16 00-0432	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	413.80	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.90*	
		For Structural Composite Lumber Core (SCLC), Add	*116.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*445.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.24*	
		For >25 To 50, Deduct	*-21.99*	
		For >50 To 100, Deduct	*-38.15*	
		For >100, Deduct	*-58.19*	
08 14 16 00-0433	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	407.25	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.90*	
		For Stave Lumber Core (SLC), Add	*183.69*	
		For Structural Composite Lumber Core (SCLC), Add	*110.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*422.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.90*	
		For >25 To 50, Deduct	*-21.97*	
		For >50 To 100, Deduct	*-37.66*	
		For >100, Deduct	*-57.03*	
08 14 16 00-0434	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.45	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.34*	
		For Structural Composite Lumber Core (SCLC), Add	*114.80*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*440.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.14*	
		For >25 To 50, Deduct	*-22.38*	
		For >50 To 100, Deduct	*-38.56*	
		For >100, Deduct	*-58.56*	
08 14 16 00-0435	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	424.27	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.46*	
		For Structural Composite Lumber Core (SCLC), Add	*117.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*451.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*314.33*	
		For >25 To 50, Deduct	*-22.65*	
		For >50 To 100, Deduct	*-39.15*	
		For >100, Deduct	*-59.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0436	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	438.11	84.69
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.55*	
		For Structural Composite Lumber Core (SCLC), Add	*120.93*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*463.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.48*	
		For >25 To 50, Deduct	*-23.45*	
		For >50 To 100, Deduct	*-40.45*	
		For >100, Deduct	*-61.48*	
08 14 16 00-0437	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	467.67	84.69
		For 7 Ply Cold Press Construction, Deduct	*-5.97*	
		For Stave Lumber Core (SLC), Add	*223.72*	
		For Structural Composite Lumber Core (SCLC), Add	*134.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*514.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*223.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*357.95*	
		For >25 To 50, Deduct	*-24.64*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-65.92*	
08 14 16 00-0438	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	538.60	88.22
		For 7 Ply Cold Press Construction, Deduct	*-7.24*	
		For Stave Lumber Core (SLC), Add	*271.62*	
		For Structural Composite Lumber Core (SCLC), Add	*162.97*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*624.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*271.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*434.59*	
		For >25 To 50, Deduct	*-27.72*	
		For >50 To 100, Deduct	*-49.33*	
		For >100, Deduct	*-76.38*	
08 14 16 00-0439	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	556.71	88.22
		For 7 Ply Cold Press Construction, Deduct	*-7.61*	
		For Stave Lumber Core (SLC), Add	*285.20*	
		For Structural Composite Lumber Core (SCLC), Add	*171.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*655.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*456.32*	
		For >25 To 50, Deduct	*-28.44*	
		For >50 To 100, Deduct	*-50.92*	
		For >100, Deduct	*-79.10*	
08 14 16 00-0440	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	607.04	95.28
		For 7 Ply Cold Press Construction, Deduct	*-8.33*	
		For Stave Lumber Core (SLC), Add	*312.36*	
		For Structural Composite Lumber Core (SCLC), Add	*187.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*718.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.90*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*312.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*499.78*	
		For >25 To 50, Deduct	*-30.95*	
		For >50 To 100, Deduct	*-55.50*	
		For >100, Deduct	*-86.29*	

08 14 16 00-0441 Oak Faced Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	547.60	77.63
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*676.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >25 To 50, Deduct	*-27.34*	
		For >50 To 100, Deduct	*-49.86*	
		For >100, Deduct	*-78.26*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	547.60	77.63
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*676.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >25 To 50, Deduct	*-27.34*	
		For >50 To 100, Deduct	*-49.86*	
		For >100, Deduct	*-78.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	554.66	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*676.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >25 To 50, Deduct	*-27.87*	
		For >50 To 100, Deduct	*-50.56*	
		For >100, Deduct	*-79.14*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	558.69	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.93*	
		For Stave Lumber Core (SLC), Add	*297.27*	
		For Structural Composite Lumber Core (SCLC), Add	*178.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*683.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*475.63*	
		For >25 To 50, Deduct	*-28.03*	
		For >50 To 100, Deduct	*-50.91*	
		For >100, Deduct	*-79.75*	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	560.51	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.96*	
		For Stave Lumber Core (SLC), Add	*298.64*	
		For Structural Composite Lumber Core (SCLC), Add	*179.18*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*686.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*298.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*477.82*	
		For >25 To 50, Deduct	*-28.10*	
		For >50 To 100, Deduct	*-51.07*	
		For >100, Deduct	*-80.02*	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	569.38	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.00*	
		For Stave Lumber Core (SLC), Add	*300.00*	
		For Structural Composite Lumber Core (SCLC), Add	*180.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*690.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*216.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*300.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*480.00*	
		For >25 To 50, Deduct	*-28.70*	
		For >50 To 100, Deduct	*-51.94*	
		For >100, Deduct	*-81.17*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	613.32	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.88*	
		For Stave Lumber Core (SLC), Add	*332.96*	
		For Structural Composite Lumber Core (SCLC), Add	*199.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*765.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*239.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*332.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*532.73*	
		For >25 To 50, Deduct	*-30.46*	
		For >50 To 100, Deduct	*-55.78*	
		For >100, Deduct	*-87.76*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	733.52	88.22
		For 7 Ply Cold Press Construction, Deduct	*-11.14*	
		For Stave Lumber Core (SLC), Add	*417.81*	
		For Structural Composite Lumber Core (SCLC), Add	*250.69*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*960.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*300.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*417.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*668.50*	
		For >25 To 50, Deduct	*-35.52*	
		For >50 To 100, Deduct	*-66.39*	
		For >100, Deduct	*-105.62*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	761.76	88.22
		For 7 Ply Cold Press Construction, Deduct	*-11.71*	
		For Stave Lumber Core (SLC), Add	*438.99*	
		For Structural Composite Lumber Core (SCLC), Add	*263.39*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,009.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*438.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*702.38*	
		For >25 To 50, Deduct	*-36.65*	
		For >50 To 100, Deduct	*-68.86*	
		For >100, Deduct	*-109.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	831.21	95.28
		For 7 Ply Cold Press Construction, Deduct	*-12.81*	
		For Stave Lumber Core (SLC), Add	*480.49*	
		For Structural Composite Lumber Core (SCLC), Add	*288.29*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,105.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.78*	
		For >25 To 50, Deduct	*-39.92*	
		For >50 To 100, Deduct	*-75.11*	
		For >100, Deduct	*-119.92*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	570.42	77.63
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*716.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >25 To 50, Deduct	*-28.25*	
		For >50 To 100, Deduct	*-51.85*	
		For >100, Deduct	*-81.68*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	570.42	77.63
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*716.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >25 To 50, Deduct	*-28.25*	
		For >50 To 100, Deduct	*-51.85*	
		For >100, Deduct	*-81.68*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	577.48	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*716.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >25 To 50, Deduct	*-28.78*	
		For >50 To 100, Deduct	*-52.56*	
		For >100, Deduct	*-82.56*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	581.74	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.39*	
		For Stave Lumber Core (SLC), Add	*314.56*	
		For Structural Composite Lumber Core (SCLC), Add	*188.73*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*723.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*503.29*	
		For >25 To 50, Deduct	*-28.95*	
		For >50 To 100, Deduct	*-52.93*	
		For >100, Deduct	*-83.20*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	583.68	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.01*	
		For Structural Composite Lumber Core (SCLC), Add	*189.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*726.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*505.62*	
		For >25 To 50, Deduct	*-29.03*	
		For >50 To 100, Deduct	*-53.10*	
		For >100, Deduct	*-83.49*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	592.67	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.47*	
		For Structural Composite Lumber Core (SCLC), Add	*190.48*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*730.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*507.95*	
		For >25 To 50, Deduct	*-29.64*	
		For >50 To 100, Deduct	*-53.98*	
		For >100, Deduct	*-84.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	639.16	84.69
		For 7 Ply Cold Press Construction, Deduct	*-9.40*	
		For Stave Lumber Core (SLC), Add	*352.34*	
		For Structural Composite Lumber Core (SCLC), Add	*211.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*810.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*253.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*352.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*563.74*	
		For >25 To 50, Deduct	*-31.49*	
		For >50 To 100, Deduct	*-58.04*	
		For >100, Deduct	*-91.64*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	765.95	88.22
		For 7 Ply Cold Press Construction, Deduct	*-11.79*	
		For Stave Lumber Core (SLC), Add	*442.13*	
		For Structural Composite Lumber Core (SCLC), Add	*265.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,016.90*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*318.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*442.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*707.41*	
		For >25 To 50, Deduct	*-36.81*	
		For >50 To 100, Deduct	*-69.23*	
		For >100, Deduct	*-110.48*	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	795.82	88.22
		For 7 Ply Cold Press Construction, Deduct	*-12.39*	
		For Stave Lumber Core (SLC), Add	*464.54*	
		For Structural Composite Lumber Core (SCLC), Add	*278.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,068.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*334.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*464.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*743.26*	
		For >25 To 50, Deduct	*-38.01*	
		For >50 To 100, Deduct	*-71.84*	
		For >100, Deduct	*-114.96*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	868.48	95.28
		For 7 Ply Cold Press Construction, Deduct	*-13.56*	
		For Stave Lumber Core (SLC), Add	*508.44*	
		For Structural Composite Lumber Core (SCLC), Add	*305.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,169.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*366.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*508.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*813.50*	
		For >25 To 50, Deduct	*-41.41*	
		For >50 To 100, Deduct	*-78.37*	
		For >100, Deduct	*-125.51*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	651.36	77.63
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*855.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >25 To 50, Deduct	*-31.49*	
		For >50 To 100, Deduct	*-58.93*	
		For >100, Deduct	*-93.82*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	651.36	77.63
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*855.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >25 To 50, Deduct	*-31.49*	
		For >50 To 100, Deduct	*-58.93*	
		For >100, Deduct	*-93.82*	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	658.42	81.16
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*855.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >25 To 50, Deduct	*-32.02*	
		For >50 To 100, Deduct	*-59.64*	
		For >100, Deduct	*-94.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	663.54	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.02*	
		For Stave Lumber Core (SLC), Add	*375.91*	
		For Structural Composite Lumber Core (SCLC), Add	*225.54*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*864.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*270.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*375.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*601.45*	
		For >25 To 50, Deduct	*-32.22*	
		For >50 To 100, Deduct	*-60.09*	
		For >100, Deduct	*-95.47*	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	665.86	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.07*	
		For Stave Lumber Core (SLC), Add	*377.65*	
		For Structural Composite Lumber Core (SCLC), Add	*226.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*868.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*271.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*377.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*604.24*	
		For >25 To 50, Deduct	*-32.32*	
		For >50 To 100, Deduct	*-60.29*	
		For >100, Deduct	*-95.82*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	675.20	84.69
		For 7 Ply Cold Press Construction, Deduct	*-10.12*	
		For Stave Lumber Core (SLC), Add	*379.37*	
		For Structural Composite Lumber Core (SCLC), Add	*227.62*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*872.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*273.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*379.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*606.98*	
		For >25 To 50, Deduct	*-32.94*	
		For >50 To 100, Deduct	*-61.20*	
		For >100, Deduct	*-97.05*	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	730.76	84.69
		For 7 Ply Cold Press Construction, Deduct	*-11.23*	
		For Stave Lumber Core (SLC), Add	*421.04*	
		For Structural Composite Lumber Core (SCLC), Add	*252.62*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*968.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*303.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*421.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*673.66*	
		For >25 To 50, Deduct	*-35.16*	
		For >50 To 100, Deduct	*-66.06*	
		For >100, Deduct	*-105.38*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	880.90	88.22
		For 7 Ply Cold Press Construction, Deduct	*-14.09*	
		For Stave Lumber Core (SLC), Add	*528.35*	
		For Structural Composite Lumber Core (SCLC), Add	*317.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,215.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*380.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*528.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*845.35*	
		For >25 To 50, Deduct	*-41.41*	
		For >50 To 100, Deduct	*-79.28*	
		For >100, Deduct	*-127.72*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	916.59	88.22
		For 7 Ply Cold Press Construction, Deduct	*-14.80*	
		For Stave Lumber Core (SLC), Add	*555.11*	
		For Structural Composite Lumber Core (SCLC), Add	*333.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,276.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*88.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*399.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*555.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*888.18*	
		For >25 To 50, Deduct	*-42.84*	
		For >50 To 100, Deduct	*-82.41*	
		For >100, Deduct	*-133.08*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,000.68	95.28
		For 7 Ply Cold Press Construction, Deduct	*-16.20*	
		For Stave Lumber Core (SLC), Add	*607.59*	
		For Structural Composite Lumber Core (SCLC), Add	*364.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,397.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*607.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*972.14*	
		For >25 To 50, Deduct	*-46.70*	
		For >50 To 100, Deduct	*-89.94*	
		For >100, Deduct	*-145.34*	

08 14 16 00-0472 Maple Faced Wood Doors *(08 14 16 00-0409)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.64	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*571.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >25 To 50, Deduct	*-24.90*	
		For >50 To 100, Deduct	*-44.52*	
		For >100, Deduct	*-69.11*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.64	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*571.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >25 To 50, Deduct	*-24.90*	
		For >50 To 100, Deduct	*-44.52*	
		For >100, Deduct	*-69.11*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	493.70	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*571.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >25 To 50, Deduct	*-25.43*	
		For >50 To 100, Deduct	*-45.23*	
		For >100, Deduct	*-70.00*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	497.11	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.70*	
		For Stave Lumber Core (SLC), Add	*251.09*	
		For Structural Composite Lumber Core (SCLC), Add	*150.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*577.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*401.74*	
		For >25 To 50, Deduct	*-25.57*	
		For >50 To 100, Deduct	*-45.53*	
		For >100, Deduct	*-70.51*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	498.64	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.73*	
		For Stave Lumber Core (SLC), Add	*252.23*	
		For Structural Composite Lumber Core (SCLC), Add	*151.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*580.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*181.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*252.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*403.57*	
		For >25 To 50, Deduct	*-25.63*	
		For >50 To 100, Deduct	*-45.66*	
		For >100, Deduct	*-70.74*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.24	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.76*	
		For Stave Lumber Core (SLC), Add	*253.40*	
		For Structural Composite Lumber Core (SCLC), Add	*152.04*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*582.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.43*	
		For >25 To 50, Deduct	*-26.22*	
		For >50 To 100, Deduct	*-46.50*	
		For >100, Deduct	*-71.85*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	544.36	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.50*	
		For Stave Lumber Core (SLC), Add	*281.24*	
		For Structural Composite Lumber Core (SCLC), Add	*168.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*646.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*281.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.98*	
		For >25 To 50, Deduct	*-27.70*	
		For >50 To 100, Deduct	*-49.75*	
		For >100, Deduct	*-77.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	623.44	88.22
		For 7 Ply Cold Press Construction, Deduct	*-8.94*	
		For Stave Lumber Core (SLC), Add	*335.25*	
		For Structural Composite Lumber Core (SCLC), Add	*201.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*771.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*536.40*	
		For >25 To 50, Deduct	*-31.11*	
		For >50 To 100, Deduct	*-56.76*	
		For >100, Deduct	*-89.11*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	670.48	88.22
		For 7 Ply Cold Press Construction, Deduct	*-9.88*	
		For Stave Lumber Core (SLC), Add	*370.53*	
		For Structural Composite Lumber Core (SCLC), Add	*222.32*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*852.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*266.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*370.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*592.85*	
		For >25 To 50, Deduct	*-32.99*	
		For >50 To 100, Deduct	*-60.87*	
		For >100, Deduct	*-96.16*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	717.58	88.22
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*405.86*	
		For Structural Composite Lumber Core (SCLC), Add	*243.51*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*933.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*292.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*405.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*649.37*	
		For >25 To 50, Deduct	*-34.88*	
		For >50 To 100, Deduct	*-64.99*	
		For >100, Deduct	*-103.23*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	505.92	77.63
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*604.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >25 To 50, Deduct	*-25.67*	
		For >50 To 100, Deduct	*-46.21*	
		For >100, Deduct	*-72.01*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	505.92	77.63
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*604.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >25 To 50, Deduct	*-25.67*	
		For >50 To 100, Deduct	*-46.21*	
		For >100, Deduct	*-72.01*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	512.98	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*604.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >25 To 50, Deduct	*-26.20*	
		For >50 To 100, Deduct	*-46.91*	
		For >100, Deduct	*-72.89*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	516.58	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.09*	
		For Stave Lumber Core (SLC), Add	*265.69*	
		For Structural Composite Lumber Core (SCLC), Add	*159.41*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*611.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*191.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*265.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*425.10*	
		For >25 To 50, Deduct	*-26.34*	
		For >50 To 100, Deduct	*-47.23*	
		For >100, Deduct	*-73.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	518.22	81.16
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*266.92*	
		For Structural Composite Lumber Core (SCLC), Add	*160.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*613.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*266.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*427.07*	
		For >25 To 50, Deduct	*-26.41*	
		For >50 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-73.67*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	526.90	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.15*	
		For Stave Lumber Core (SLC), Add	*268.14*	
		For Structural Composite Lumber Core (SCLC), Add	*160.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*616.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*193.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*268.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*429.02*	
		For >25 To 50, Deduct	*-27.00*	
		For >50 To 100, Deduct	*-48.22*	
		For >100, Deduct	*-74.80*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	566.17	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.94*	
		For Stave Lumber Core (SLC), Add	*297.59*	
		For Structural Composite Lumber Core (SCLC), Add	*178.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*684.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*476.15*	
		For >25 To 50, Deduct	*-28.58*	
		For >50 To 100, Deduct	*-51.66*	
		For >100, Deduct	*-80.69*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	649.46	88.22
		For 7 Ply Cold Press Construction, Deduct	*-9.46*	
		For Stave Lumber Core (SLC), Add	*354.77*	
		For Structural Composite Lumber Core (SCLC), Add	*212.86*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*815.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*354.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*567.62*	
		For >25 To 50, Deduct	*-32.15*	
		For >50 To 100, Deduct	*-59.03*	
		For >100, Deduct	*-93.01*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	699.25	88.22
		For 7 Ply Cold Press Construction, Deduct	*-10.46*	
		For Stave Lumber Core (SLC), Add	*392.11*	
		For Structural Composite Lumber Core (SCLC), Add	*235.26*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*901.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*392.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*627.37*	
		For >25 To 50, Deduct	*-34.15*	
		For >50 To 100, Deduct	*-63.39*	
		For >100, Deduct	*-100.48*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	749.08	88.22
		For 7 Ply Cold Press Construction, Deduct	*-11.45*	
		For Stave Lumber Core (SLC), Add	*429.48*	
		For Structural Composite Lumber Core (SCLC), Add	*257.69*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*987.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*429.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*687.17*	
		For >25 To 50, Deduct	*-36.14*	
		For >50 To 100, Deduct	*-67.75*	
		For >100, Deduct	*-107.95*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	574.29	77.63
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*722.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >25 To 50, Deduct	*-28.41*	
		For >50 To 100, Deduct	*-52.19*	
		For >100, Deduct	*-82.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	574.29	77.63
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*722.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >25 To 50, Deduct	*-28.41*	
		For >50 To 100, Deduct	*-52.19*	
		For >100, Deduct	*-82.26*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	581.35	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*722.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >25 To 50, Deduct	*-28.94*	
		For >50 To 100, Deduct	*-52.90*	
		For >100, Deduct	*-83.14*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	585.66	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.50*	
		For Structural Composite Lumber Core (SCLC), Add	*190.50*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*730.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*508.00*	
		For >25 To 50, Deduct	*-29.11*	
		For >50 To 100, Deduct	*-53.27*	
		For >100, Deduct	*-83.79*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	587.62	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*318.97*	
		For Structural Composite Lumber Core (SCLC), Add	*191.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*733.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*318.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.35*	
		For >25 To 50, Deduct	*-29.19*	
		For >50 To 100, Deduct	*-53.45*	
		For >100, Deduct	*-84.08*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	596.61	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.54*	
		For Stave Lumber Core (SLC), Add	*320.42*	
		For Structural Composite Lumber Core (SCLC), Add	*192.25*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*736.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*512.68*	
		For >25 To 50, Deduct	*-29.79*	
		For >50 To 100, Deduct	*-54.32*	
		For >100, Deduct	*-85.26*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	643.54	84.69
		For 7 Ply Cold Press Construction, Deduct	*-9.48*	
		For Stave Lumber Core (SLC), Add	*355.62*	
		For Structural Composite Lumber Core (SCLC), Add	*213.37*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*817.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*256.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*355.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*568.99*	
		For >25 To 50, Deduct	*-31.67*	
		For >50 To 100, Deduct	*-58.43*	
		For >100, Deduct	*-92.30*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	741.69	88.22
		For 7 Ply Cold Press Construction, Deduct	*-11.31*	
		For Stave Lumber Core (SLC), Add	*423.94*	
		For Structural Composite Lumber Core (SCLC), Add	*254.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*975.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*305.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*423.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*678.30*	
		For >25 To 50, Deduct	*-35.84*	
		For >50 To 100, Deduct	*-67.10*	
		For >100, Deduct	*-106.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	801.19	88.22
		For 7 Ply Cold Press Construction, Deduct	*-12.50*	
		For Stave Lumber Core (SLC), Add	*468.56*	
		For Structural Composite Lumber Core (SCLC), Add	*281.14*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,077.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*337.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*468.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*749.70*	
		For >25 To 50, Deduct	*-38.22*	
		For >50 To 100, Deduct	*-72.31*	
		For >100, Deduct	*-115.77*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	860.72	88.22
		For 7 Ply Cold Press Construction, Deduct	*-13.69*	
		For Stave Lumber Core (SLC), Add	*513.21*	
		For Structural Composite Lumber Core (SCLC), Add	*307.93*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,180.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*82.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*369.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*513.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*821.14*	
		For >25 To 50, Deduct	*-40.60*	
		For >50 To 100, Deduct	*-77.52*	
		For >100, Deduct	*-124.70*	

08 14 16 00-0503 Lauan Faced Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	310.78	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*268.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.61*	
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-29.13*	
		For >100, Deduct	*-42.74*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	310.78	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*268.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.61*	
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-29.13*	
		For >100, Deduct	*-42.74*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	318.29	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*269.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*187.15*	
		For >25 To 50, Deduct	*-18.41*	
		For >50 To 100, Deduct	*-29.88*	
		For >100, Deduct	*-43.69*	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	322.77	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*276.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*192.53*	
		For >25 To 50, Deduct	*-18.59*	
		For >50 To 100, Deduct	*-30.27*	
		For >100, Deduct	*-44.36*	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	324.39	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*279.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.47*	
		For >25 To 50, Deduct	*-18.66*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-44.60*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	333.06	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*282.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*196.42*	
		For >25 To 50, Deduct	*-19.25*	
		For >50 To 100, Deduct	*-31.26*	
		For >100, Deduct	*-45.72*	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	347.85	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*307.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*96.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*214.16*	
		For >25 To 50, Deduct	*-19.84*	
		For >50 To 100, Deduct	*-32.55*	
		For >100, Deduct	*-47.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	367.64	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*329.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*229.44*	
		For >25 To 50, Deduct	*-20.88*	
		For >50 To 100, Deduct	*-34.37*	
		For >100, Deduct	*-50.74*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	377.20	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*346.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.91*	
		For >25 To 50, Deduct	*-21.26*	
		For >50 To 100, Deduct	*-35.21*	
		For >100, Deduct	*-52.17*	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	396.33	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*379.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.87*	
		For >25 To 50, Deduct	*-22.03*	
		For >50 To 100, Deduct	*-36.88*	
		For >100, Deduct	*-55.04*	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	319.82	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*283.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.46*	
		For >25 To 50, Deduct	*-18.23*	
		For >50 To 100, Deduct	*-29.93*	
		For >100, Deduct	*-44.09*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	319.82	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*283.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.46*	
		For >25 To 50, Deduct	*-18.23*	
		For >50 To 100, Deduct	*-29.93*	
		For >100, Deduct	*-44.09*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	327.36	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*284.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*198.04*	
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-30.67*	
		For >100, Deduct	*-45.05*	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	332.10	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*292.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*203.72*	
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-31.09*	
		For >100, Deduct	*-45.76*	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	333.83	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*295.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*128.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*205.80*	
		For >25 To 50, Deduct	*-19.03*	
		For >50 To 100, Deduct	*-31.24*	
		For >100, Deduct	*-46.02*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	342.58	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*298.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*129.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*207.84*	
		For >25 To 50, Deduct	*-19.63*	
		For >50 To 100, Deduct	*-32.09*	
		For >100, Deduct	*-47.15*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.23	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*325.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*141.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*226.62*	
		For >25 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-33.46*	
		For >100, Deduct	*-49.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	378.77	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*349.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.80*	
		For >25 To 50, Deduct	*-21.33*	
		For >50 To 100, Deduct	*-35.35*	
		For >100, Deduct	*-52.40*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	388.88	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*366.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.93*	
		For >25 To 50, Deduct	*-21.73*	
		For >50 To 100, Deduct	*-36.23*	
		For >100, Deduct	*-53.92*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	409.13	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*401.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*125.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*174.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*279.23*	
		For >25 To 50, Deduct	*-22.54*	
		For >50 To 100, Deduct	*-38.00*	
		For >100, Deduct	*-56.96*	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	351.89	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*339.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.94*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-32.73*	
		For >100, Deduct	*-48.90*	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	351.89	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*339.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.94*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-32.73*	
		For >100, Deduct	*-48.90*	
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	359.53	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*340.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.64*	
		For >25 To 50, Deduct	*-20.06*	
		For >50 To 100, Deduct	*-33.49*	
		For >100, Deduct	*-49.87*	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	365.21	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*349.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.46*	
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-33.99*	
		For >100, Deduct	*-50.72*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	367.27	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*353.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.93*	
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-34.17*	
		For >100, Deduct	*-51.03*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	376.37	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*357.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.39*	
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-35.05*	
		For >100, Deduct	*-52.22*	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	395.07	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*389.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*169.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.83*	
		For >25 To 50, Deduct	*-21.73*	
		For >50 To 100, Deduct	*-36.69*	
		For >100, Deduct	*-55.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	418.22	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*417.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.14*	
		For >25 To 50, Deduct	*-22.90*	
		For >50 To 100, Deduct	*-38.80*	
		For >100, Deduct	*-58.32*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	430.30	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*437.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*304.63*	
		For >25 To 50, Deduct	*-23.39*	
		For >50 To 100, Deduct	*-39.86*	
		For >100, Deduct	*-60.13*	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	454.50	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*479.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.67*	
		For >25 To 50, Deduct	*-24.36*	
		For >50 To 100, Deduct	*-41.97*	
		For >100, Deduct	*-63.76*	

08 14 16 00-0534 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	290.21	77.63
		For Stave Lumber Core (SLC), Add	*101.21*	
		For Structural Composite Lumber Core (SCLC), Add	*60.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*101.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.93*	
		For >25 To 50, Deduct	*-17.04*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-39.65*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	290.21	77.63
		For Stave Lumber Core (SLC), Add	*101.21*	
		For Structural Composite Lumber Core (SCLC), Add	*60.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*101.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.93*	
		For >25 To 50, Deduct	*-17.04*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-39.65*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	305.08	81.16
		For Stave Lumber Core (SLC), Add	*107.06*	
		For Structural Composite Lumber Core (SCLC), Add	*64.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*171.30*	
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-41.70*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	312.88	81.16
		For Stave Lumber Core (SLC), Add	*112.91*	
		For Structural Composite Lumber Core (SCLC), Add	*67.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*112.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*180.66*	
		For >25 To 50, Deduct	*-18.20*	
		For >50 To 100, Deduct	*-29.41*	
		For >100, Deduct	*-42.87*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	314.33	81.16
		For Stave Lumber Core (SLC), Add	*114.00*	
		For Structural Composite Lumber Core (SCLC), Add	*68.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*114.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*182.40*	
		For >25 To 50, Deduct	*-18.25*	
		For >50 To 100, Deduct	*-29.53*	
		For >100, Deduct	*-43.09*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	322.85	84.69
		For Stave Lumber Core (SLC), Add	*115.10*	
		For Structural Composite Lumber Core (SCLC), Add	*69.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*115.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*184.16*	
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.37*	
		For >100, Deduct	*-44.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	339.77	84.69
		For Stave Lumber Core (SLC), Add	*127.79*	
		For Structural Composite Lumber Core (SCLC), Add	*76.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.47*	
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-31.85*	
		For >100, Deduct	*-46.73*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	377.72	88.22
		For Stave Lumber Core (SLC), Add	*150.96*	
		For Structural Composite Lumber Core (SCLC), Add	*90.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.54*	
		For >25 To 50, Deduct	*-21.28*	
		For >50 To 100, Deduct	*-35.26*	
		For >100, Deduct	*-52.25*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	387.79	88.22
		For Stave Lumber Core (SLC), Add	*158.51*	
		For Structural Composite Lumber Core (SCLC), Add	*95.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.62*	
		For >25 To 50, Deduct	*-21.69*	
		For >50 To 100, Deduct	*-36.14*	
		For >100, Deduct	*-53.76*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	407.90	88.22
		For Stave Lumber Core (SLC), Add	*173.60*	
		For Structural Composite Lumber Core (SCLC), Add	*104.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.75*	
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-37.90*	
		For >100, Deduct	*-56.77*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.07	77.63
		For Stave Lumber Core (SLC), Add	*107.10*	
		For Structural Composite Lumber Core (SCLC), Add	*64.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*171.36*	
		For >25 To 50, Deduct	*-17.36*	
		For >50 To 100, Deduct	*-28.02*	
		For >100, Deduct	*-40.83*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.07	77.63
		For Stave Lumber Core (SLC), Add	*107.10*	
		For Structural Composite Lumber Core (SCLC), Add	*64.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*171.36*	
		For >25 To 50, Deduct	*-17.36*	
		For >50 To 100, Deduct	*-28.02*	
		For >100, Deduct	*-40.83*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	313.40	81.16
		For Stave Lumber Core (SLC), Add	*113.30*	
		For Structural Composite Lumber Core (SCLC), Add	*67.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*113.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*181.28*	
		For >25 To 50, Deduct	*-18.22*	
		For >50 To 100, Deduct	*-29.45*	
		For >100, Deduct	*-42.95*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	321.65	81.16
		For Stave Lumber Core (SLC), Add	*119.49*	
		For Structural Composite Lumber Core (SCLC), Add	*71.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.18*	
		For >25 To 50, Deduct	*-18.55*	
		For >50 To 100, Deduct	*-30.17*	
		For >100, Deduct	*-44.19*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	323.18	81.16
		For Stave Lumber Core (SLC), Add	*120.64*	
		For Structural Composite Lumber Core (SCLC), Add	*72.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*193.02*	
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-30.31*	
		For >100, Deduct	*-44.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	331.79	84.69
		For Stave Lumber Core (SLC), Add	*121.81*	
		For Structural Composite Lumber Core (SCLC), Add	*73.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.89*	
		For >25 To 50, Deduct	*-19.20*	
		For >50 To 100, Deduct	*-31.15*	
		For >100, Deduct	*-45.53*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.68	84.69
		For Stave Lumber Core (SLC), Add	*135.23*	
		For Structural Composite Lumber Core (SCLC), Add	*81.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.36*	
		For >25 To 50, Deduct	*-19.92*	
		For >50 To 100, Deduct	*-32.71*	
		For >100, Deduct	*-48.22*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	389.43	88.22
		For Stave Lumber Core (SLC), Add	*159.74*	
		For Structural Composite Lumber Core (SCLC), Add	*95.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.59*	
		For >25 To 50, Deduct	*-21.75*	
		For >50 To 100, Deduct	*-36.28*	
		For >100, Deduct	*-54.00*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	400.09	88.22
		For Stave Lumber Core (SLC), Add	*167.74*	
		For Structural Composite Lumber Core (SCLC), Add	*100.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.38*	
		For >25 To 50, Deduct	*-22.18*	
		For >50 To 100, Deduct	*-37.21*	
		For >100, Deduct	*-55.60*	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	421.38	88.22
		For Stave Lumber Core (SLC), Add	*183.71*	
		For Structural Composite Lumber Core (SCLC), Add	*110.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.93*	
		For >25 To 50, Deduct	*-23.03*	
		For >50 To 100, Deduct	*-39.08*	
		For >100, Deduct	*-58.80*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	325.91	77.63
		For Stave Lumber Core (SLC), Add	*127.98*	
		For Structural Composite Lumber Core (SCLC), Add	*76.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.77*	
		For >25 To 50, Deduct	*-18.47*	
		For >50 To 100, Deduct	*-30.46*	
		For >100, Deduct	*-45.00*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	325.91	77.63
		For Stave Lumber Core (SLC), Add	*127.98*	
		For Structural Composite Lumber Core (SCLC), Add	*76.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.77*	
		For >25 To 50, Deduct	*-18.47*	
		For >50 To 100, Deduct	*-30.46*	
		For >100, Deduct	*-45.00*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	342.86	81.16
		For Stave Lumber Core (SLC), Add	*135.40*	
		For Structural Composite Lumber Core (SCLC), Add	*81.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.64*	
		For >25 To 50, Deduct	*-19.40*	
		For >50 To 100, Deduct	*-32.03*	
		For >100, Deduct	*-47.37*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	352.72	81.16
		For Stave Lumber Core (SLC), Add	*142.79*	
		For Structural Composite Lumber Core (SCLC), Add	*85.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*228.47*	
		For >25 To 50, Deduct	*-19.79*	
		For >50 To 100, Deduct	*-32.89*	
		For >100, Deduct	*-48.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	354.55	81.16
		For Stave Lumber Core (SLC), Add	*144.17*	
		For Structural Composite Lumber Core (SCLC), Add	*86.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.66*	
		For >25 To 50, Deduct	*-19.86*	
		For >50 To 100, Deduct	*-33.05*	
		For >100, Deduct	*-49.12*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	363.46	84.69
		For Stave Lumber Core (SLC), Add	*145.56*	
		For Structural Composite Lumber Core (SCLC), Add	*87.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.90*	
		For >25 To 50, Deduct	*-20.47*	
		For >50 To 100, Deduct	*-33.92*	
		For >100, Deduct	*-50.28*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	384.84	84.69
		For Stave Lumber Core (SLC), Add	*161.60*	
		For Structural Composite Lumber Core (SCLC), Add	*96.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*258.55*	
		For >25 To 50, Deduct	*-21.32*	
		For >50 To 100, Deduct	*-35.79*	
		For >100, Deduct	*-53.49*	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	430.95	88.22
		For Stave Lumber Core (SLC), Add	*190.88*	
		For Structural Composite Lumber Core (SCLC), Add	*114.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*305.41*	
		For >25 To 50, Deduct	*-23.41*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-60.23*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	443.70	88.22
		For Stave Lumber Core (SLC), Add	*200.45*	
		For Structural Composite Lumber Core (SCLC), Add	*120.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*144.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*200.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*320.71*	
		For >25 To 50, Deduct	*-23.92*	
		For >50 To 100, Deduct	*-41.03*	
		For >100, Deduct	*-62.14*	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	469.14	88.22
		For Stave Lumber Core (SLC), Add	*219.53*	
		For Structural Composite Lumber Core (SCLC), Add	*131.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*219.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*351.24*	
		For >25 To 50, Deduct	*-24.94*	
		For >50 To 100, Deduct	*-43.26*	
		For >100, Deduct	*-65.96*	

08 14 16 00-0565 2-1/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0566 Birch Faced Wood Doors *(08 14 16 00-0565)*

08 14 16 00-0567	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	391.93	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.73*	
		For Stave Lumber Core (SLC), Add	*82.83*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*28.40*	
		For >10 To 50, Deduct	*-19.60*	
		For >50 To 100, Deduct	*-23.48*	
		For >100, Deduct	*-33.28*	
08 14 16 00-0568	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	391.93	77.63
		For 7 Ply Cold Press Construction, Deduct	*-4.73*	
		For Stave Lumber Core (SLC), Add	*82.83*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*28.40*	
		For >10 To 50, Deduct	*-19.60*	
		For >50 To 100, Deduct	*-23.48*	
		For >100, Deduct	*-33.28*	
08 14 16 00-0569	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.37	81.16
		For 7 Ply Cold Press Construction, Deduct	*-4.98*	
		For Stave Lumber Core (SLC), Add	*87.16*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*29.88*	
		For >10 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-24.63*	
		For >100, Deduct	*-34.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0570	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	421.73	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.19*	
		For Stave Lumber Core (SLC), Add	*90.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*31.13*	
		For >10 To 50, Deduct	*-21.09*	
		For >50 To 100, Deduct	*-25.14*	
		For >100, Deduct	*-35.69*	
08 14 16 00-0571	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	428.69	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.33*	
		For Stave Lumber Core (SLC), Add	*93.23*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*31.96*	
		For >10 To 50, Deduct	*-21.43*	
		For >50 To 100, Deduct	*-25.49*	
		For >100, Deduct	*-36.21*	
08 14 16 00-0572	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	442.61	84.69
		For 7 Ply Cold Press Construction, Deduct	*-5.46*	
		For Stave Lumber Core (SLC), Add	*95.63*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*32.79*	
		For >10 To 50, Deduct	*-22.13*	
		For >50 To 100, Deduct	*-26.37*	
		For >100, Deduct	*-37.43*	
08 14 16 00-0573	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	472.66	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.07*	
		For Stave Lumber Core (SLC), Add	*106.15*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*36.39*	
		For >10 To 50, Deduct	*-23.63*	
		For >50 To 100, Deduct	*-27.87*	
		For >100, Deduct	*-39.68*	
08 14 16 00-0574	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	544.65	88.22
		For 7 Ply Cold Press Construction, Deduct	*-7.36*	
		For Stave Lumber Core (SLC), Add	*128.87*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*44.19*	
		For >10 To 50, Deduct	*-27.23*	
		For >50 To 100, Deduct	*-31.64*	
		For >100, Deduct	*-45.26*	
08 14 16 00-0575	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	563.09	88.22
		For 7 Ply Cold Press Construction, Deduct	*-7.73*	
		For Stave Lumber Core (SLC), Add	*135.33*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*46.40*	
		For >10 To 50, Deduct	*-28.15*	
		For >50 To 100, Deduct	*-32.57*	
		For >100, Deduct	*-46.64*	
08 14 16 00-0576	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	614.00	95.28
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*148.20*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.81*	
		For >10 To 50, Deduct	*-30.70*	
		For >50 To 100, Deduct	*-35.46*	
		For >100, Deduct	*-50.81*	
08 14 16 00-0577	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.70	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.01*	
		For Stave Lumber Core (SLC), Add	*87.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*30.05*	
		For >10 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-24.17*	
		For >100, Deduct	*-34.31*	
08 14 16 00-0578	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.70	77.63
		For 7 Ply Cold Press Construction, Deduct	*-5.01*	
		For Stave Lumber Core (SLC), Add	*87.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*30.05*	
		For >10 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-24.17*	
		For >100, Deduct	*-34.31*	
08 14 16 00-0579	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	425.85	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.27*	
		For Stave Lumber Core (SLC), Add	*92.23*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*31.62*	
		For >10 To 50, Deduct	*-21.29*	
		For >50 To 100, Deduct	*-25.35*	
		For >100, Deduct	*-36.00*	
08 14 16 00-0580	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	436.84	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.49*	
		For Stave Lumber Core (SLC), Add	*96.08*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*32.94*	
		For >10 To 50, Deduct	*-21.84*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-36.82*	
08 14 16 00-0581	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	444.18	81.16
		For 7 Ply Cold Press Construction, Deduct	*-5.64*	
		For Stave Lumber Core (SLC), Add	*98.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*33.82*	
		For >10 To 50, Deduct	*-22.21*	
		For >50 To 100, Deduct	*-26.27*	
		For >100, Deduct	*-37.37*	
08 14 16 00-0582	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	458.51	84.69
		For 7 Ply Cold Press Construction, Deduct	*-5.78*	
		For Stave Lumber Core (SLC), Add	*101.20*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*34.70*	
		For >10 To 50, Deduct	*-22.93*	
		For >50 To 100, Deduct	*-27.16*	
		For >100, Deduct	*-38.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0583	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	490.31	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.42*	
		For Stave Lumber Core (SLC), Add	*112.33*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*38.51*	
		For >10 To 50, Deduct	*-24.52*	
		For >50 To 100, Deduct	*-28.75*	
		For >100, Deduct	*-41.01*	
08 14 16 00-0584	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	566.09	88.22
		For 7 Ply Cold Press Construction, Deduct	*-7.79*	
		For Stave Lumber Core (SLC), Add	*136.38*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*46.76*	
		For >10 To 50, Deduct	*-28.30*	
		For >50 To 100, Deduct	*-32.72*	
		For >100, Deduct	*-46.87*	
08 14 16 00-0585	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	585.59	88.22
		For 7 Ply Cold Press Construction, Deduct	*-8.18*	
		For Stave Lumber Core (SLC), Add	*143.20*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*49.10*	
		For >10 To 50, Deduct	*-29.28*	
		For >50 To 100, Deduct	*-33.69*	
		For >100, Deduct	*-48.33*	
08 14 16 00-0586	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	638.65	95.28
		For 7 Ply Cold Press Construction, Deduct	*-8.96*	
		For Stave Lumber Core (SLC), Add	*156.83*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*53.77*	
		For >10 To 50, Deduct	*-31.93*	
		For >50 To 100, Deduct	*-36.70*	
		For >100, Deduct	*-52.66*	
08 14 16 00-0587	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	455.80	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*105.19*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*36.06*	
		For >10 To 50, Deduct	*-22.79*	
		For >50 To 100, Deduct	*-26.67*	
		For >100, Deduct	*-38.07*	
08 14 16 00-0588	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	455.80	77.63
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*105.19*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*36.06*	
		For >10 To 50, Deduct	*-22.79*	
		For >50 To 100, Deduct	*-26.67*	
		For >100, Deduct	*-38.07*	
08 14 16 00-0589	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	478.56	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.32*	
		For Stave Lumber Core (SLC), Add	*110.68*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*37.95*	
		For >10 To 50, Deduct	*-23.93*	
		For >50 To 100, Deduct	*-27.99*	
		For >100, Deduct	*-39.95*	
08 14 16 00-0590	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	491.74	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.59*	
		For Stave Lumber Core (SLC), Add	*115.29*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*39.53*	
		For >10 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-28.65*	
		For >100, Deduct	*-40.94*	
08 14 16 00-0591	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	500.54	81.16
		For 7 Ply Cold Press Construction, Deduct	*-6.76*	
		For Stave Lumber Core (SLC), Add	*118.37*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*40.59*	
		For >10 To 50, Deduct	*-25.03*	
		For >50 To 100, Deduct	*-29.09*	
		For >100, Deduct	*-41.60*	
08 14 16 00-0592	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	516.32	84.69
		For 7 Ply Cold Press Construction, Deduct	*-6.94*	
		For Stave Lumber Core (SLC), Add	*121.43*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*41.63*	
		For >10 To 50, Deduct	*-25.82*	
		For >50 To 100, Deduct	*-30.05*	
		For >100, Deduct	*-42.96*	
08 14 16 00-0593	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	554.50	84.69
		For 7 Ply Cold Press Construction, Deduct	*-7.70*	
		For Stave Lumber Core (SLC), Add	*134.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*46.21*	
		For >10 To 50, Deduct	*-27.73*	
		For >50 To 100, Deduct	*-31.96*	
		For >100, Deduct	*-45.82*	
08 14 16 00-0594	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	644.03	88.22
		For 7 Ply Cold Press Construction, Deduct	*-9.35*	
		For Stave Lumber Core (SLC), Add	*163.66*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*56.11*	
		For >10 To 50, Deduct	*-32.20*	
		For >50 To 100, Deduct	*-36.61*	
		For >100, Deduct	*-52.71*	
08 14 16 00-0595	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	667.43	88.22
		For 7 Ply Cold Press Construction, Deduct	*-9.82*	
		For Stave Lumber Core (SLC), Add	*171.85*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*58.92*	
		For >10 To 50, Deduct	*-33.37*	
		For >50 To 100, Deduct	*-37.78*	
		For >100, Deduct	*-54.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0596	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	728.26	95.28
		For 7 Ply Cold Press Construction, Deduct	*-10.75*	
		For Stave Lumber Core (SLC), Add	*188.20*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.52*	
		For >10 To 50, Deduct	*-36.41*	
		For >50 To 100, Deduct	*-41.18*	
		For >100, Deduct	*-59.38*	
08 14 16 00-0597		**Oak Faced Wood Doors** *(08 14 16 00-0565)*		
08 14 16 00-0598	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	659.65	77.63
		For 7 Ply Cold Press Construction, Deduct	*-10.09*	
		For Stave Lumber Core (SLC), Add	*176.53*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.53*	
		For >10 To 50, Deduct	*-32.98*	
		For >50 To 100, Deduct	*-36.86*	
		For >100, Deduct	*-53.36*	
08 14 16 00-0599	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	659.65	77.63
		For 7 Ply Cold Press Construction, Deduct	*-10.09*	
		For Stave Lumber Core (SLC), Add	*176.53*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.53*	
		For >10 To 50, Deduct	*-32.98*	
		For >50 To 100, Deduct	*-36.86*	
		For >100, Deduct	*-53.36*	
08 14 16 00-0600	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	666.71	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.09*	
		For Stave Lumber Core (SLC), Add	*176.53*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.53*	
		For >10 To 50, Deduct	*-33.34*	
		For >50 To 100, Deduct	*-37.39*	
		For >100, Deduct	*-54.06*	
08 14 16 00-0601	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	671.94	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.19*	
		For Stave Lumber Core (SLC), Add	*178.36*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*61.15*	
		For >10 To 50, Deduct	*-33.60*	
		For >50 To 100, Deduct	*-37.66*	
		For >100, Deduct	*-54.45*	
08 14 16 00-0602	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	674.27	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.24*	
		For Stave Lumber Core (SLC), Add	*179.18*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*61.43*	
		For >10 To 50, Deduct	*-33.71*	
		For >50 To 100, Deduct	*-37.77*	
		For >100, Deduct	*-54.63*	
08 14 16 00-0603	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	683.64	84.69
		For 7 Ply Cold Press Construction, Deduct	*-10.29*	
		For Stave Lumber Core (SLC), Add	*179.99*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*61.71*	
		For >10 To 50, Deduct	*-34.18*	
		For >50 To 100, Deduct	*-38.42*	
		For >100, Deduct	*-55.51*	
08 14 16 00-0604	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	740.17	84.69
		For 7 Ply Cold Press Construction, Deduct	*-11.42*	
		For Stave Lumber Core (SLC), Add	*199.78*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*68.49*	
		For >10 To 50, Deduct	*-37.01*	
		For >50 To 100, Deduct	*-41.24*	
		For >100, Deduct	*-59.75*	
08 14 16 00-0605	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	892.68	88.22
		For 7 Ply Cold Press Construction, Deduct	*-14.32*	
		For Stave Lumber Core (SLC), Add	*250.68*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*85.95*	
		For >10 To 50, Deduct	*-44.63*	
		For >50 To 100, Deduct	*-49.05*	
		For >100, Deduct	*-71.36*	
08 14 16 00-0606	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	928.98	88.22
		For 7 Ply Cold Press Construction, Deduct	*-15.05*	
		For Stave Lumber Core (SLC), Add	*263.39*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*90.30*	
		For >10 To 50, Deduct	*-46.45*	
		For >50 To 100, Deduct	*-50.86*	
		For >100, Deduct	*-74.08*	
08 14 16 00-0607	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,014.24	95.28
		For 7 Ply Cold Press Construction, Deduct	*-16.47*	
		For Stave Lumber Core (SLC), Add	*288.29*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*98.84*	
		For >10 To 50, Deduct	*-50.71*	
		For >50 To 100, Deduct	*-55.48*	
		For >100, Deduct	*-80.83*	
08 14 16 00-0608	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	689.02	77.63
		For 7 Ply Cold Press Construction, Deduct	*-10.68*	
		For Stave Lumber Core (SLC), Add	*186.81*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.05*	
		For >10 To 50, Deduct	*-34.45*	
		For >50 To 100, Deduct	*-38.33*	
		For >100, Deduct	*-55.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0609	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	689.02	77.63
		For 7 Ply Cold Press Construction, Deduct	*-10.68*	
		For Stave Lumber Core (SLC), Add	*186.81*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.05*	
		For >10 To 50, Deduct	*-34.45*	
		For >50 To 100, Deduct	*-38.33*	
		For >100, Deduct	*-55.56*	
08 14 16 00-0610	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	696.08	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.68*	
		For Stave Lumber Core (SLC), Add	*186.81*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.05*	
		For >10 To 50, Deduct	*-34.80*	
		For >50 To 100, Deduct	*-38.86*	
		For >100, Deduct	*-56.26*	
08 14 16 00-0611	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	701.58	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.79*	
		For Stave Lumber Core (SLC), Add	*188.74*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.71*	
		For >10 To 50, Deduct	*-35.08*	
		For >50 To 100, Deduct	*-39.14*	
		For >100, Deduct	*-56.68*	
08 14 16 00-0612	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	704.06	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.83*	
		For Stave Lumber Core (SLC), Add	*189.61*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*65.01*	
		For >10 To 50, Deduct	*-35.20*	
		For >50 To 100, Deduct	*-39.26*	
		For >100, Deduct	*-56.86*	
08 14 16 00-0613	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	713.59	84.69
		For 7 Ply Cold Press Construction, Deduct	*-10.88*	
		For Stave Lumber Core (SLC), Add	*190.47*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*65.31*	
		For >10 To 50, Deduct	*-35.68*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-57.75*	
08 14 16 00-0614	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	773.38	84.69
		For 7 Ply Cold Press Construction, Deduct	*-12.08*	
		For Stave Lumber Core (SLC), Add	*211.40*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*72.48*	
		For >10 To 50, Deduct	*-38.67*	
		For >50 To 100, Deduct	*-42.90*	
		For >100, Deduct	*-62.24*	
08 14 16 00-0615	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	934.37	88.22
		For 7 Ply Cold Press Construction, Deduct	*-15.16*	
		For Stave Lumber Core (SLC), Add	*265.28*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*90.95*	
		For >10 To 50, Deduct	*-46.72*	
		For >50 To 100, Deduct	*-51.13*	
		For >100, Deduct	*-74.49*	
08 14 16 00-0616	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	972.77	88.22
		For 7 Ply Cold Press Construction, Deduct	*-15.93*	
		For Stave Lumber Core (SLC), Add	*278.72*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*95.56*	
		For >10 To 50, Deduct	*-48.64*	
		For >50 To 100, Deduct	*-53.05*	
		For >100, Deduct	*-77.37*	
08 14 16 00-0617	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,062.17	95.28
		For 7 Ply Cold Press Construction, Deduct	*-17.43*	
		For Stave Lumber Core (SLC), Add	*305.06*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*104.59*	
		For >10 To 50, Deduct	*-53.11*	
		For >50 To 100, Deduct	*-57.87*	
		For >100, Deduct	*-84.43*	
08 14 16 00-0618	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	795.76	77.63
		For 7 Ply Cold Press Construction, Deduct	*-12.81*	
		For Stave Lumber Core (SLC), Add	*224.17*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*76.86*	
		For >10 To 50, Deduct	*-39.79*	
		For >50 To 100, Deduct	*-43.67*	
		For >100, Deduct	*-63.56*	
08 14 16 00-0619	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	795.76	77.63
		For 7 Ply Cold Press Construction, Deduct	*-12.81*	
		For Stave Lumber Core (SLC), Add	*224.17*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*76.86*	
		For >10 To 50, Deduct	*-39.79*	
		For >50 To 100, Deduct	*-43.67*	
		For >100, Deduct	*-63.56*	
08 14 16 00-0620	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	802.82	81.16
		For 7 Ply Cold Press Construction, Deduct	*-12.81*	
		For Stave Lumber Core (SLC), Add	*224.17*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*76.86*	
		For >10 To 50, Deduct	*-40.14*	
		For >50 To 100, Deduct	*-44.20*	
		For >100, Deduct	*-64.27*	
08 14 16 00-0621	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	809.45	81.16
		For 7 Ply Cold Press Construction, Deduct	*-12.94*	
		For Stave Lumber Core (SLC), Add	*226.49*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*77.65*	
		For >10 To 50, Deduct	*-40.47*	
		For >50 To 100, Deduct	*-44.53*	
		For >100, Deduct	*-64.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0622	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	812.39	81.16
		For 7 Ply Cold Press Construction, Deduct	*-13.00*	
		For Stave Lumber Core (SLC), Add	*227.52*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*78.01*	
		For >10 To 50, Deduct	*-40.62*	
		For >50 To 100, Deduct	*-44.68*	
		For >100, Deduct	*-64.99*	
08 14 16 00-0623	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	822.43	84.69
		For 7 Ply Cold Press Construction, Deduct	*-13.06*	
		For Stave Lumber Core (SLC), Add	*228.57*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*78.37*	
		For >10 To 50, Deduct	*-41.12*	
		For >50 To 100, Deduct	*-45.36*	
		For >100, Deduct	*-65.92*	
08 14 16 00-0624	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	894.18	84.69
		For 7 Ply Cold Press Construction, Deduct	*-14.50*	
		For Stave Lumber Core (SLC), Add	*253.68*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*86.98*	
		For >10 To 50, Deduct	*-44.71*	
		For >50 To 100, Deduct	*-48.94*	
		For >100, Deduct	*-71.30*	
08 14 16 00-0625	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,085.94	88.22
		For 7 Ply Cold Press Construction, Deduct	*-18.19*	
		For Stave Lumber Core (SLC), Add	*318.33*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*109.14*	
		For >10 To 50, Deduct	*-54.30*	
		For >50 To 100, Deduct	*-58.71*	
		For >100, Deduct	*-85.86*	
08 14 16 00-0626	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,132.05	88.22
		For 7 Ply Cold Press Construction, Deduct	*-19.11*	
		For Stave Lumber Core (SLC), Add	*334.46*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*114.67*	
		For >10 To 50, Deduct	*-56.60*	
		For >50 To 100, Deduct	*-61.01*	
		For >100, Deduct	*-89.31*	
08 14 16 00-0627	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,236.48	95.28
		For 7 Ply Cold Press Construction, Deduct	*-20.92*	
		For Stave Lumber Core (SLC), Add	*366.07*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*125.51*	
		For >10 To 50, Deduct	*-61.82*	
		For >50 To 100, Deduct	*-66.59*	
		For >100, Deduct	*-97.50*	

08 14 16 00-0628 Maple Faced Wood Doors *(08 14 16 00-0565)*

08 14 16 00-0629	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	581.30	77.63
		For 7 Ply Cold Press Construction, Deduct	*-8.52*	
		For Stave Lumber Core (SLC), Add	*149.11*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.12*	
		For >10 To 50, Deduct	*-29.07*	
		For >50 To 100, Deduct	*-32.95*	
		For >100, Deduct	*-47.48*	
08 14 16 00-0630	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	581.30	77.63
		For 7 Ply Cold Press Construction, Deduct	*-8.52*	
		For Stave Lumber Core (SLC), Add	*149.11*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.12*	
		For >10 To 50, Deduct	*-29.07*	
		For >50 To 100, Deduct	*-32.95*	
		For >100, Deduct	*-47.48*	
08 14 16 00-0631	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	588.36	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.52*	
		For Stave Lumber Core (SLC), Add	*149.11*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.12*	
		For >10 To 50, Deduct	*-29.42*	
		For >50 To 100, Deduct	*-33.48*	
		For >100, Deduct	*-48.19*	
08 14 16 00-0632	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	592.78	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.61*	
		For Stave Lumber Core (SLC), Add	*150.66*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.65*	
		For >10 To 50, Deduct	*-29.64*	
		For >50 To 100, Deduct	*-33.70*	
		For >100, Deduct	*-48.52*	
08 14 16 00-0633	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	594.74	81.16
		For 7 Ply Cold Press Construction, Deduct	*-8.65*	
		For Stave Lumber Core (SLC), Add	*151.34*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.89*	
		For >10 To 50, Deduct	*-29.74*	
		For >50 To 100, Deduct	*-33.80*	
		For >100, Deduct	*-48.66*	
08 14 16 00-0634	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	603.75	84.69
		For 7 Ply Cold Press Construction, Deduct	*-8.69*	
		For Stave Lumber Core (SLC), Add	*152.03*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*52.12*	
		For >10 To 50, Deduct	*-30.19*	
		For >50 To 100, Deduct	*-34.42*	
		For >100, Deduct	*-49.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0635	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	651.48	84.69
		For 7 Ply Cold Press Construction, Deduct	*-9.64*	
		For Stave Lumber Core (SLC), Add	*168.74*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*57.85*	
		For >10 To 50, Deduct	*-32.57*	
		For >50 To 100, Deduct	*-36.81*	
		For >100, Deduct	*-53.10*	
08 14 16 00-0636	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	751.15	88.22
		For 7 Ply Cold Press Construction, Deduct	*-11.49*	
		For Stave Lumber Core (SLC), Add	*201.15*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*68.97*	
		For >10 To 50, Deduct	*-37.56*	
		For >50 To 100, Deduct	*-41.97*	
		For >100, Deduct	*-60.75*	
08 14 16 00-0637	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	811.66	88.22
		For 7 Ply Cold Press Construction, Deduct	*-12.70*	
		For Stave Lumber Core (SLC), Add	*222.33*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*76.23*	
		For >10 To 50, Deduct	*-40.58*	
		For >50 To 100, Deduct	*-44.99*	
		For >100, Deduct	*-65.29*	
08 14 16 00-0638	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	872.18	88.22
		For 7 Ply Cold Press Construction, Deduct	*-13.91*	
		For Stave Lumber Core (SLC), Add	*243.51*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*83.49*	
		For >10 To 50, Deduct	*-43.61*	
		For >50 To 100, Deduct	*-48.02*	
		For >100, Deduct	*-69.82*	
08 14 16 00-0639	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	606.09	77.63
		For 7 Ply Cold Press Construction, Deduct	*-9.02*	
		For Stave Lumber Core (SLC), Add	*157.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*54.10*	
		For >10 To 50, Deduct	*-30.30*	
		For >50 To 100, Deduct	*-34.19*	
		For >100, Deduct	*-49.34*	
08 14 16 00-0640	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	606.09	77.63
		For 7 Ply Cold Press Construction, Deduct	*-9.02*	
		For Stave Lumber Core (SLC), Add	*157.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*54.10*	
		For >10 To 50, Deduct	*-30.30*	
		For >50 To 100, Deduct	*-34.19*	
		For >100, Deduct	*-49.34*	
08 14 16 00-0641	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	613.15	81.16
		For 7 Ply Cold Press Construction, Deduct	*-9.02*	
		For Stave Lumber Core (SLC), Add	*157.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*54.10*	
		For >10 To 50, Deduct	*-30.66*	
		For >50 To 100, Deduct	*-34.72*	
		For >100, Deduct	*-50.04*	
08 14 16 00-0642	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	617.81	81.16
		For 7 Ply Cold Press Construction, Deduct	*-9.11*	
		For Stave Lumber Core (SLC), Add	*159.42*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*54.66*	
		For >10 To 50, Deduct	*-30.89*	
		For >50 To 100, Deduct	*-34.95*	
		For >100, Deduct	*-50.39*	
08 14 16 00-0643	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.88	81.16
		For 7 Ply Cold Press Construction, Deduct	*-9.15*	
		For Stave Lumber Core (SLC), Add	*160.14*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*54.91*	
		For >10 To 50, Deduct	*-30.99*	
		For >50 To 100, Deduct	*-35.05*	
		For >100, Deduct	*-50.55*	
08 14 16 00-0644	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	629.03	84.69
		For 7 Ply Cold Press Construction, Deduct	*-9.19*	
		For Stave Lumber Core (SLC), Add	*160.88*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*55.16*	
		For >10 To 50, Deduct	*-31.45*	
		For >50 To 100, Deduct	*-35.69*	
		For >100, Deduct	*-51.41*	
08 14 16 00-0645	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	679.54	84.69
		For 7 Ply Cold Press Construction, Deduct	*-10.20*	
		For Stave Lumber Core (SLC), Add	*178.56*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*61.22*	
		For >10 To 50, Deduct	*-33.98*	
		For >50 To 100, Deduct	*-38.21*	
		For >100, Deduct	*-55.20*	
08 14 16 00-0646	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	784.61	88.22
		For 7 Ply Cold Press Construction, Deduct	*-12.16*	
		For Stave Lumber Core (SLC), Add	*212.86*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*72.98*	
		For >10 To 50, Deduct	*-39.23*	
		For >50 To 100, Deduct	*-43.64*	
		For >100, Deduct	*-63.26*	
08 14 16 00-0647	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	849.19	88.22
		For 7 Ply Cold Press Construction, Deduct	*-13.46*	
		For Stave Lumber Core (SLC), Add	*235.46*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*80.73*	
		For >10 To 50, Deduct	*-42.46*	
		For >50 To 100, Deduct	*-46.87*	
		For >100, Deduct	*-68.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0648	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	912.65	88.22
		For 7 Ply Cold Press Construction, Deduct	*-14.72*	
		For Stave Lumber Core (SLC), Add	*257.67*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*88.35*	
		For >10 To 50, Deduct	*-45.63*	
		For >50 To 100, Deduct	*-50.04*	
		For >100, Deduct	*-72.86*	
08 14 16 00-0649	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	696.24	77.63
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*189.34*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.92*	
		For >10 To 50, Deduct	*-34.81*	
		For >50 To 100, Deduct	*-38.69*	
		For >100, Deduct	*-56.10*	
08 14 16 00-0650	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	696.24	77.63
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*189.34*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.92*	
		For >10 To 50, Deduct	*-34.81*	
		For >50 To 100, Deduct	*-38.69*	
		For >100, Deduct	*-56.10*	
08 14 16 00-0651	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	703.30	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*189.34*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.92*	
		For >10 To 50, Deduct	*-35.17*	
		For >50 To 100, Deduct	*-39.22*	
		For >100, Deduct	*-56.81*	
08 14 16 00-0652	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	708.90	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.93*	
		For Stave Lumber Core (SLC), Add	*191.30*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*65.59*	
		For >10 To 50, Deduct	*-35.45*	
		For >50 To 100, Deduct	*-39.50*	
		For >100, Deduct	*-57.23*	
08 14 16 00-0653	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	711.40	81.16
		For 7 Ply Cold Press Construction, Deduct	*-10.98*	
		For Stave Lumber Core (SLC), Add	*192.17*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*65.89*	
		For >10 To 50, Deduct	*-35.57*	
		For >50 To 100, Deduct	*-39.63*	
		For >100, Deduct	*-57.41*	
08 14 16 00-0654	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	720.96	84.69
		For 7 Ply Cold Press Construction, Deduct	*-11.03*	
		For Stave Lumber Core (SLC), Add	*193.05*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*66.19*	
		For >10 To 50, Deduct	*-36.05*	
		For >50 To 100, Deduct	*-40.28*	
		For >100, Deduct	*-58.31*	
08 14 16 00-0655	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	781.56	84.69
		For 7 Ply Cold Press Construction, Deduct	*-12.24*	
		For Stave Lumber Core (SLC), Add	*214.26*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*73.46*	
		For >10 To 50, Deduct	*-39.08*	
		For >50 To 100, Deduct	*-43.31*	
		For >100, Deduct	*-62.85*	
08 14 16 00-0656	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	906.21	88.22
		For 7 Ply Cold Press Construction, Deduct	*-14.60*	
		For Stave Lumber Core (SLC), Add	*255.42*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*87.57*	
		For >10 To 50, Deduct	*-45.31*	
		For >50 To 100, Deduct	*-49.72*	
		For >100, Deduct	*-72.38*	
08 14 16 00-0657	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	983.09	88.22
		For 7 Ply Cold Press Construction, Deduct	*-16.13*	
		For Stave Lumber Core (SLC), Add	*282.33*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*96.80*	
		For >10 To 50, Deduct	*-49.15*	
		For >50 To 100, Deduct	*-53.57*	
		For >100, Deduct	*-78.14*	
08 14 16 00-0658	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	1,059.88	88.22
		For 7 Ply Cold Press Construction, Deduct	*-17.67*	
		For Stave Lumber Core (SLC), Add	*309.20*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*106.01*	
		For >10 To 50, Deduct	*-52.99*	
		For >50 To 100, Deduct	*-57.41*	
		For >100, Deduct	*-83.90*	

08 14 16 00-0659 Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*

08 14 16 00-0660	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	76.36	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*25.43*	
08 14 16 00-0661	SF	For Expanded Metal Lite Guard, Add	53.77	
08 14 16 00-0662	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	114.54	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*25.43*	

08 14 23 Clad Wood Doors *(08 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	735.14	173.62
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	788.72	190.56
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	850.88	210.32
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	887.51	217.38
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	953.73	239.25
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	1,025.82	247.02

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	340.60	77.63
		For Structural Composite Lumber Core (SCLC), Add	*83.40*	
		For 5 Ply Construction, Add	*6.49*	
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-31.74*	
		For >100, Deduct	*-47.21*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	340.60	77.63
		For Structural Composite Lumber Core (SCLC), Add	*83.40*	
		For 5 Ply Construction, Add	*6.49*	
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-31.74*	
		For >100, Deduct	*-47.21*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	357.85	81.16
		For Structural Composite Lumber Core (SCLC), Add	*87.98*	
		For 5 Ply Construction, Add	*6.84*	
		For >25 To 50, Deduct	*-20.00*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.62*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	368.05	81.16
		For Structural Composite Lumber Core (SCLC), Add	*92.57*	
		For 5 Ply Construction, Add	*7.20*	
		For >25 To 50, Deduct	*-20.40*	
		For >50 To 100, Deduct	*-34.23*	
		For >100, Deduct	*-51.15*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	373.19	81.16
		For Structural Composite Lumber Core (SCLC), Add	*94.89*	
		For 5 Ply Construction, Add	*7.38*	
		For >25 To 50, Deduct	*-20.61*	
		For >50 To 100, Deduct	*-34.68*	
		For >100, Deduct	*-51.92*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	385.36	84.69
		For Structural Composite Lumber Core (SCLC), Add	*97.19*	
		For 5 Ply Construction, Add	*7.56*	
		For >25 To 50, Deduct	*-21.34*	
		For >50 To 100, Deduct	*-35.84*	
		For >100, Deduct	*-53.57*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	409.11	84.69
		For Structural Composite Lumber Core (SCLC), Add	*107.88*	
		For 5 Ply Construction, Add	*8.39*	
		For >25 To 50, Deduct	*-22.29*	
		For >50 To 100, Deduct	*-37.91*	
		For >100, Deduct	*-57.13*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	431.51	88.22
		For Structural Composite Lumber Core (SCLC), Add	*114.78*	
		For 5 Ply Construction, Add	*8.93*	
		For >25 To 50, Deduct	*-23.44*	
		For >50 To 100, Deduct	*-39.96*	
		For >100, Deduct	*-60.32*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	351.39	77.63
		For Structural Composite Lumber Core (SCLC), Add	*88.25*	
		For 5 Ply Construction, Add	*6.86*	
		For >25 To 50, Deduct	*-19.49*	
		For >50 To 100, Deduct	*-32.69*	
		For >100, Deduct	*-48.83*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	351.38	77.63
		For Structural Composite Lumber Core (SCLC), Add	*88.25*	
		For 5 Ply Construction, Add	*6.86*	
		For >25 To 50, Deduct	*-19.49*	
		For >50 To 100, Deduct	*-32.69*	
		For >100, Deduct	*-48.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	369.24	81.16
		For Structural Composite Lumber Core (SCLC), Add	*93.11*	
		For 5 Ply Construction, Add	*7.24*	
		For >25 To 50, Deduct	*-20.45*	
		For >50 To 100, Deduct	*-34.34*	
		For >100, Deduct	*-51.33*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	380.02	81.16
		For Structural Composite Lumber Core (SCLC), Add	*97.96*	
		For 5 Ply Construction, Add	*7.62*	
		For >25 To 50, Deduct	*-20.88*	
		For >50 To 100, Deduct	*-35.28*	
		For >100, Deduct	*-52.94*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	385.46	81.16
		For Structural Composite Lumber Core (SCLC), Add	*100.41*	
		For 5 Ply Construction, Add	*7.81*	
		For >25 To 50, Deduct	*-21.10*	
		For >50 To 100, Deduct	*-35.76*	
		For >100, Deduct	*-53.76*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	397.93	84.69
		For Structural Composite Lumber Core (SCLC), Add	*102.85*	
		For 5 Ply Construction, Add	*8.00*	
		For >25 To 50, Deduct	*-21.85*	
		For >50 To 100, Deduct	*-36.94*	
		For >100, Deduct	*-55.46*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	423.06	84.69
		For Structural Composite Lumber Core (SCLC), Add	*114.16*	
		For 5 Ply Construction, Add	*8.88*	
		For >25 To 50, Deduct	*-22.85*	
		For >50 To 100, Deduct	*-39.14*	
		For >100, Deduct	*-59.22*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	446.35	88.22
		For Structural Composite Lumber Core (SCLC), Add	*121.46*	
		For 5 Ply Construction, Add	*9.45*	
		For >25 To 50, Deduct	*-24.03*	
		For >50 To 100, Deduct	*-41.26*	
		For >100, Deduct	*-62.54*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	389.63	77.63
		For Structural Composite Lumber Core (SCLC), Add	*105.46*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-21.02*	
		For >50 To 100, Deduct	*-36.03*	
		For >100, Deduct	*-54.56*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	389.63	77.63
		For Structural Composite Lumber Core (SCLC), Add	*105.46*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-21.02*	
		For >50 To 100, Deduct	*-36.03*	
		For >100, Deduct	*-54.56*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	409.59	81.16
		For Structural Composite Lumber Core (SCLC), Add	*111.27*	
		For 5 Ply Construction, Add	*8.65*	
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-37.87*	
		For >100, Deduct	*-57.38*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	422.48	81.16
		For Structural Composite Lumber Core (SCLC), Add	*117.07*	
		For 5 Ply Construction, Add	*9.11*	
		For >25 To 50, Deduct	*-22.58*	
		For >50 To 100, Deduct	*-39.00*	
		For >100, Deduct	*-59.31*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	428.97	81.16
		For Structural Composite Lumber Core (SCLC), Add	*119.99*	
		For 5 Ply Construction, Add	*9.33*	
		For >25 To 50, Deduct	*-22.84*	
		For >50 To 100, Deduct	*-39.56*	
		For >100, Deduct	*-60.29*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	442.50	84.69
		For Structural Composite Lumber Core (SCLC), Add	*122.90*	
		For 5 Ply Construction, Add	*9.56*	
		For >25 To 50, Deduct	*-23.63*	
		For >50 To 100, Deduct	*-40.84*	
		For >100, Deduct	*-62.14*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	472.52	84.69
		For Structural Composite Lumber Core (SCLC), Add	*136.41*	
		For 5 Ply Construction, Add	*10.61*	
		For >25 To 50, Deduct	*-24.83*	
		For >50 To 100, Deduct	*-43.46*	
		For >100, Deduct	*-66.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	498.98	88.22
		For Structural Composite Lumber Core (SCLC), Add	*145.14*	
		For 5 Ply Construction, Add	*11.29*	
		For >25 To 50, Deduct	*-26.13*	
		For >50 To 100, Deduct	*-45.87*	
		For >100, Deduct	*-70.44*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	471.02	77.63
		For 5 Ply Construction, Add	*11.05*	
		For Stave Lumber Core (SLC), Add	*236.81*	
		For Structural Composite Lumber Core (SCLC), Add	*142.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*544.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.90*	
		For >25 To 50, Deduct	*-24.28*	
		For >50 To 100, Deduct	*-43.16*	
		For >100, Deduct	*-66.77*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	471.00	77.63
		For 5 Ply Construction, Add	*11.05*	
		For Stave Lumber Core (SLC), Add	*236.80*	
		For Structural Composite Lumber Core (SCLC), Add	*142.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*544.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.88*	
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-43.15*	
		For >100, Deduct	*-66.77*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	487.94	81.16
		For 5 Ply Construction, Add	*11.40*	
		For Stave Lumber Core (SLC), Add	*244.21*	
		For Structural Composite Lumber Core (SCLC), Add	*146.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*561.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.73*	
		For >25 To 50, Deduct	*-25.20*	
		For >50 To 100, Deduct	*-44.72*	
		For >100, Deduct	*-69.13*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	487.94	81.16
		For 5 Ply Construction, Add	*11.40*	
		For Stave Lumber Core (SLC), Add	*244.21*	
		For Structural Composite Lumber Core (SCLC), Add	*146.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*561.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.73*	
		For >25 To 50, Deduct	*-25.20*	
		For >50 To 100, Deduct	*-44.72*	
		For >100, Deduct	*-69.13*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	507.50	81.16
		For 5 Ply Construction, Add	*12.08*	
		For Stave Lumber Core (SLC), Add	*258.88*	
		For Structural Composite Lumber Core (SCLC), Add	*155.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*595.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*414.20*	
		For >25 To 50, Deduct	*-25.98*	
		For >50 To 100, Deduct	*-46.44*	
		For >100, Deduct	*-72.07*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	534.10	84.69
		For 5 Ply Construction, Add	*12.77*	
		For Stave Lumber Core (SLC), Add	*273.54*	
		For Structural Composite Lumber Core (SCLC), Add	*164.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*629.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.66*	
		For >25 To 50, Deduct	*-27.29*	
		For >50 To 100, Deduct	*-48.85*	
		For >100, Deduct	*-75.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	554.09	84.69
		For 5 Ply Construction, Add	*13.46*	
		For Stave Lumber Core (SLC), Add	*288.53*	
		For Structural Composite Lumber Core (SCLC), Add	*173.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*663.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*461.65*	
		For >25 To 50, Deduct	*-28.09*	
		For >50 To 100, Deduct	*-50.60*	
		For >100, Deduct	*-78.88*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	571.13	88.22
		For 5 Ply Construction, Add	*13.81*	
		For Stave Lumber Core (SLC), Add	*296.02*	
		For Structural Composite Lumber Core (SCLC), Add	*177.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*680.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.63*	
		For >25 To 50, Deduct	*-29.02*	
		For >50 To 100, Deduct	*-52.18*	
		For >100, Deduct	*-81.26*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	590.86	88.22
		For 5 Ply Construction, Add	*14.50*	
		For Stave Lumber Core (SLC), Add	*310.82*	
		For Structural Composite Lumber Core (SCLC), Add	*186.49*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*714.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*223.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*310.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*497.30*	
		For >25 To 50, Deduct	*-29.81*	
		For >50 To 100, Deduct	*-53.91*	
		For >100, Deduct	*-84.22*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	644.45	95.28
		For 5 Ply Construction, Add	*15.89*	
		For Stave Lumber Core (SLC), Add	*340.42*	
		For Structural Composite Lumber Core (SCLC), Add	*204.25*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*782.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*245.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*340.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*544.67*	
		For >25 To 50, Deduct	*-32.45*	
		For >50 To 100, Deduct	*-58.77*	
		For >100, Deduct	*-91.90*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	489.40	77.63
		For 5 Ply Construction, Add	*11.69*	
		For Stave Lumber Core (SLC), Add	*250.60*	
		For Structural Composite Lumber Core (SCLC), Add	*150.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*576.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.96*	
		For >25 To 50, Deduct	*-25.01*	
		For >50 To 100, Deduct	*-44.76*	
		For >100, Deduct	*-69.53*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	489.38	77.63
		For 5 Ply Construction, Add	*11.69*	
		For Stave Lumber Core (SLC), Add	*250.58*	
		For Structural Composite Lumber Core (SCLC), Add	*150.35*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*576.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.93*	
		For >25 To 50, Deduct	*-25.01*	
		For >50 To 100, Deduct	*-44.76*	
		For >100, Deduct	*-69.53*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	506.90	81.16
		For 5 Ply Construction, Add	*12.06*	
		For Stave Lumber Core (SLC), Add	*258.43*	
		For Structural Composite Lumber Core (SCLC), Add	*155.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*594.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.48*	
		For >25 To 50, Deduct	*-25.96*	
		For >50 To 100, Deduct	*-46.38*	
		For >100, Deduct	*-71.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	506.90	81.16
		For 5 Ply Construction, Add	*12.06*	
		For Stave Lumber Core (SLC), Add	*258.43*	
		For Structural Composite Lumber Core (SCLC), Add	*155.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*594.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.48*	
		For >25 To 50, Deduct	*-25.96*	
		For >50 To 100, Deduct	*-46.38*	
		For >100, Deduct	*-71.98*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	527.59	81.16
		For 5 Ply Construction, Add	*12.78*	
		For Stave Lumber Core (SLC), Add	*273.95*	
		For Structural Composite Lumber Core (SCLC), Add	*164.37*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*630.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*438.31*	
		For >25 To 50, Deduct	*-26.79*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-75.08*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	555.34	84.69
		For 5 Ply Construction, Add	*13.51*	
		For Stave Lumber Core (SLC), Add	*289.47*	
		For Structural Composite Lumber Core (SCLC), Add	*173.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*665.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*463.15*	
		For >25 To 50, Deduct	*-28.14*	
		For >50 To 100, Deduct	*-50.71*	
		For >100, Deduct	*-79.07*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	576.47	84.69
		For 5 Ply Construction, Add	*14.25*	
		For Stave Lumber Core (SLC), Add	*305.32*	
		For Structural Composite Lumber Core (SCLC), Add	*183.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*702.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*305.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*488.51*	
		For >25 To 50, Deduct	*-28.99*	
		For >50 To 100, Deduct	*-52.56*	
		For >100, Deduct	*-82.24*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	594.10	88.22
		For 5 Ply Construction, Add	*14.62*	
		For Stave Lumber Core (SLC), Add	*313.25*	
		For Structural Composite Lumber Core (SCLC), Add	*187.95*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*720.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*225.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*313.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*501.19*	
		For >25 To 50, Deduct	*-29.94*	
		For >50 To 100, Deduct	*-54.19*	
		For >100, Deduct	*-84.70*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	614.98	88.22
		For 5 Ply Construction, Add	*15.35*	
		For Stave Lumber Core (SLC), Add	*328.91*	
		For Structural Composite Lumber Core (SCLC), Add	*197.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*756.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*526.25*	
		For >25 To 50, Deduct	*-30.77*	
		For >50 To 100, Deduct	*-56.02*	
		For >100, Deduct	*-87.84*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	670.86	95.28
		For 5 Ply Construction, Add	*16.81*	
		For Stave Lumber Core (SLC), Add	*360.23*	
		For Structural Composite Lumber Core (SCLC), Add	*216.14*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*828.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*259.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*360.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*576.36*	
		For >25 To 50, Deduct	*-33.50*	
		For >50 To 100, Deduct	*-61.08*	
		For >100, Deduct	*-95.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	554.56	77.63
		For 5 Ply Construction, Add	*13.98*	
		For Stave Lumber Core (SLC), Add	*299.47*	
		For Structural Composite Lumber Core (SCLC), Add	*179.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*688.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*479.15*	
		For >25 To 50, Deduct	*-27.62*	
		For >50 To 100, Deduct	*-50.46*	
		For >100, Deduct	*-79.30*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	554.54	77.63
		For 5 Ply Construction, Add	*13.97*	
		For Stave Lumber Core (SLC), Add	*299.45*	
		For Structural Composite Lumber Core (SCLC), Add	*179.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*688.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*479.12*	
		For >25 To 50, Deduct	*-27.62*	
		For >50 To 100, Deduct	*-50.46*	
		For >100, Deduct	*-79.30*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	574.09	81.16
		For 5 Ply Construction, Add	*14.41*	
		For Stave Lumber Core (SLC), Add	*308.82*	
		For Structural Composite Lumber Core (SCLC), Add	*185.29*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*710.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.11*	
		For >25 To 50, Deduct	*-28.65*	
		For >50 To 100, Deduct	*-52.26*	
		For >100, Deduct	*-82.06*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	574.09	81.16
		For 5 Ply Construction, Add	*14.41*	
		For Stave Lumber Core (SLC), Add	*308.82*	
		For Structural Composite Lumber Core (SCLC), Add	*185.29*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*710.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.11*	
		For >25 To 50, Deduct	*-28.65*	
		For >50 To 100, Deduct	*-52.26*	
		For >100, Deduct	*-82.06*	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	598.81	81.16
		For 5 Ply Construction, Add	*15.28*	
		For Stave Lumber Core (SLC), Add	*327.36*	
		For Structural Composite Lumber Core (SCLC), Add	*196.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*752.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*235.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*327.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*523.78*	
		For >25 To 50, Deduct	*-29.63*	
		For >50 To 100, Deduct	*-54.43*	
		For >100, Deduct	*-85.76*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	630.60	84.69
		For 5 Ply Construction, Add	*16.14*	
		For Stave Lumber Core (SLC), Add	*345.92*	
		For Structural Composite Lumber Core (SCLC), Add	*207.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*795.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*249.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*345.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*553.46*	
		For >25 To 50, Deduct	*-31.15*	
		For >50 To 100, Deduct	*-57.29*	
		For >100, Deduct	*-90.36*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	655.85	84.69
		For 5 Ply Construction, Add	*17.03*	
		For Stave Lumber Core (SLC), Add	*364.85*	
		For Structural Composite Lumber Core (SCLC), Add	*218.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*839.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.76*	
		For >25 To 50, Deduct	*-32.16*	
		For >50 To 100, Deduct	*-59.50*	
		For >100, Deduct	*-94.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	675.54	88.22
		For 5 Ply Construction, Add	*17.47*	
		For Stave Lumber Core (SLC), Add	*374.33*	
		For Structural Composite Lumber Core (SCLC), Add	*224.60*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*860.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*269.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*374.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*598.92*	
		For >25 To 50, Deduct	*-33.20*	
		For >50 To 100, Deduct	*-61.32*	
		For >100, Deduct	*-96.92*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	700.48	88.22
		For 5 Ply Construction, Add	*18.34*	
		For Stave Lumber Core (SLC), Add	*393.03*	
		For Structural Composite Lumber Core (SCLC), Add	*235.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*903.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*393.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*628.85*	
		For >25 To 50, Deduct	*-34.19*	
		For >50 To 100, Deduct	*-63.50*	
		For >100, Deduct	*-100.66*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	764.52	95.28
		For 5 Ply Construction, Add	*20.09*	
		For Stave Lumber Core (SLC), Add	*430.47*	
		For Structural Composite Lumber Core (SCLC), Add	*258.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*990.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*430.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*688.75*	
		For >25 To 50, Deduct	*-37.25*	
		For >50 To 100, Deduct	*-69.28*	
		For >100, Deduct	*-109.91*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.88	77.63
		For >25 To 50, Deduct	*-15.55*	
		For >50 To 100, Deduct	*-24.07*	
		For >100, Deduct	*-34.05*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.88	77.63
		For >25 To 50, Deduct	*-15.55*	
		For >50 To 100, Deduct	*-24.07*	
		For >100, Deduct	*-34.05*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.06	81.16
		For >25 To 50, Deduct	*-16.36*	
		For >50 To 100, Deduct	*-25.40*	
		For >100, Deduct	*-36.00*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.45	81.16
		For >25 To 50, Deduct	*-16.50*	
		For >50 To 100, Deduct	*-25.69*	
		For >100, Deduct	*-36.51*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.81	81.16
		For >25 To 50, Deduct	*-16.63*	
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-37.01*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.25	84.69
		For >25 To 50, Deduct	*-17.30*	
		For >50 To 100, Deduct	*-26.99*	
		For >100, Deduct	*-38.40*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.87	84.69
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-28.09*	
		For >100, Deduct	*-40.30*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	312.10	88.22
		For >25 To 50, Deduct	*-18.66*	
		For >50 To 100, Deduct	*-29.51*	
		For >100, Deduct	*-42.40*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	258.56	77.63
		For >25 To 50, Deduct	*-15.78*	
		For >50 To 100, Deduct	*-24.56*	
		For >100, Deduct	*-34.90*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	258.56	77.63
		For >25 To 50, Deduct	*-15.78*	
		For >50 To 100, Deduct	*-24.56*	
		For >100, Deduct	*-34.90*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.16	81.16
		For >25 To 50, Deduct	*-16.61*	
		For >50 To 100, Deduct	*-25.93*	
		For >100, Deduct	*-36.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.73	81.16
		For >25 To 50, Deduct	*-16.75*	
		For >50 To 100, Deduct	*-26.24*	
		For >100, Deduct	*-37.45*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	280.30	81.16
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-37.99*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.93	84.69
		For >25 To 50, Deduct	*-17.57*	
		For >50 To 100, Deduct	*-27.57*	
		For >100, Deduct	*-39.41*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.28	84.69
		For >25 To 50, Deduct	*-18.10*	
		For >50 To 100, Deduct	*-28.74*	
		For >100, Deduct	*-41.41*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	319.98	88.22
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-30.20*	
		For >100, Deduct	*-43.59*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.71	77.63
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-26.33*	
		For >100, Deduct	*-37.92*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.71	77.63
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-26.33*	
		For >100, Deduct	*-37.92*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.78	81.16
		For >25 To 50, Deduct	*-17.47*	
		For >50 To 100, Deduct	*-27.82*	
		For >100, Deduct	*-40.16*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.04	81.16
		For >25 To 50, Deduct	*-17.64*	
		For >50 To 100, Deduct	*-28.20*	
		For >100, Deduct	*-40.80*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	303.32	81.16
		For >25 To 50, Deduct	*-17.81*	
		For >50 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-41.44*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.63	84.69
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-29.65*	
		For >100, Deduct	*-42.96*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.58	84.69
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-31.04*	
		For >100, Deduct	*-45.35*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	347.96	88.22
		For >25 To 50, Deduct	*-20.09*	
		For >50 To 100, Deduct	*-32.65*	
		For >100, Deduct	*-47.78*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.90	77.63
		For >25 To 50, Deduct	*-16.51*	
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.65*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.90	77.63
		For >25 To 50, Deduct	*-16.51*	
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.65*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	287.32	81.16
		For >25 To 50, Deduct	*-17.17*	
		For >50 To 100, Deduct	*-27.17*	
		For >100, Deduct	*-39.04*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.10	81.16
		For >25 To 50, Deduct	*-17.45*	
		For >50 To 100, Deduct	*-27.76*	
		For >100, Deduct	*-40.06*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	297.49	81.16
		For >25 To 50, Deduct	*-17.58*	
		For >50 To 100, Deduct	*-28.06*	
		For >100, Deduct	*-40.57*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	307.88	84.69
		For >25 To 50, Deduct	*-18.24*	
		For >50 To 100, Deduct	*-29.06*	
		For >100, Deduct	*-41.95*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.60	84.69
		For >25 To 50, Deduct	*-18.55*	
		For >50 To 100, Deduct	*-29.73*	
		For >100, Deduct	*-43.11*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	347.78	88.22
		For >25 To 50, Deduct	*-20.09*	
		For >50 To 100, Deduct	*-32.64*	
		For >100, Deduct	*-47.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	356.34	88.22
		For >25 To 50, Deduct	*-20.43*	
		For >50 To 100, Deduct	*-33.39*	
		For >100, Deduct	*-49.04*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	373.50	88.22
		For >25 To 50, Deduct	*-21.12*	
		For >50 To 100, Deduct	*-34.89*	
		For >100, Deduct	*-51.61*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.96	77.63
		For >25 To 50, Deduct	*-16.79*	
		For >50 To 100, Deduct	*-26.79*	
		For >100, Deduct	*-38.71*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.96	77.63
		For >25 To 50, Deduct	*-16.79*	
		For >50 To 100, Deduct	*-26.79*	
		For >100, Deduct	*-38.71*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.60	81.16
		For >25 To 50, Deduct	*-17.47*	
		For >50 To 100, Deduct	*-27.81*	
		For >100, Deduct	*-40.13*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	301.77	81.16
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.43*	
		For >100, Deduct	*-41.21*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.34	81.16
		For >25 To 50, Deduct	*-17.90*	
		For >50 To 100, Deduct	*-28.75*	
		For >100, Deduct	*-41.74*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.94	84.69
		For >25 To 50, Deduct	*-18.57*	
		For >50 To 100, Deduct	*-29.76*	
		For >100, Deduct	*-43.16*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.11	84.69
		For >25 To 50, Deduct	*-18.89*	
		For >50 To 100, Deduct	*-30.48*	
		For >100, Deduct	*-44.38*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.76	88.22
		For >25 To 50, Deduct	*-20.49*	
		For >50 To 100, Deduct	*-33.51*	
		For >100, Deduct	*-49.25*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	366.83	88.22
		For >25 To 50, Deduct	*-20.85*	
		For >50 To 100, Deduct	*-34.30*	
		For >100, Deduct	*-50.61*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	384.96	88.22
		For >25 To 50, Deduct	*-21.57*	
		For >50 To 100, Deduct	*-35.89*	
		For >100, Deduct	*-53.33*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.06	77.63
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-28.98*	
		For >100, Deduct	*-42.48*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.06	77.63
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-28.98*	
		For >100, Deduct	*-42.48*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.40	81.16
		For >25 To 50, Deduct	*-18.50*	
		For >50 To 100, Deduct	*-30.06*	
		For >100, Deduct	*-44.00*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	328.97	81.16
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.29*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	333.22	81.16
		For >25 To 50, Deduct	*-19.01*	
		For >50 To 100, Deduct	*-31.19*	
		For >100, Deduct	*-45.92*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	344.53	84.69
		For >25 To 50, Deduct	*-19.71*	
		For >50 To 100, Deduct	*-32.26*	
		For >100, Deduct	*-47.45*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.28	84.69
		For >25 To 50, Deduct	*-20.10*	
		For >50 To 100, Deduct	*-33.12*	
		For >100, Deduct	*-48.91*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	393.13	88.22
		For >25 To 50, Deduct	*-21.90*	
		For >50 To 100, Deduct	*-36.60*	
		For >100, Deduct	*-54.56*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	403.96	88.22
		For >25 To 50, Deduct	*-22.33*	
		For >50 To 100, Deduct	*-37.55*	
		For >100, Deduct	*-56.18*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	425.63	88.22
		For >25 To 50, Deduct	*-23.20*	
		For >50 To 100, Deduct	*-39.45*	
		For >100, Deduct	*-59.43*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0057		1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*		
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.53	77.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.95*	
		For >25 To 50, Deduct	*-17.30*	
		For >50 To 100, Deduct	*-27.89*	
		For >100, Deduct	*-40.60*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.53	77.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.95*	
		For >25 To 50, Deduct	*-17.30*	
		For >50 To 100, Deduct	*-27.89*	
		For >100, Deduct	*-40.60*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	311.80	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.94*	
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-29.31*	
		For >100, Deduct	*-42.71*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	319.98	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.92*	
		For >25 To 50, Deduct	*-18.48*	
		For >50 To 100, Deduct	*-30.03*	
		For >100, Deduct	*-43.94*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.48	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.10*	
		For >25 To 50, Deduct	*-18.54*	
		For >50 To 100, Deduct	*-30.16*	
		For >100, Deduct	*-44.16*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.06	84.69
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.28*	
		For >25 To 50, Deduct	*-19.13*	
		For >50 To 100, Deduct	*-31.00*	
		For >100, Deduct	*-45.27*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	347.79	84.69
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.41*	
		For >25 To 50, Deduct	*-19.84*	
		For >50 To 100, Deduct	*-32.55*	
		For >100, Deduct	*-47.93*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	387.16	88.22
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.29*	
		For >25 To 50, Deduct	*-21.66*	
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-53.66*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.77	77.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.94*	
		For >25 To 50, Deduct	*-17.63*	
		For >50 To 100, Deduct	*-28.61*	
		For >100, Deduct	*-41.83*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.77	77.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.94*	
		For >25 To 50, Deduct	*-17.63*	
		For >50 To 100, Deduct	*-28.61*	
		For >100, Deduct	*-41.83*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.50	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.98*	
		For >25 To 50, Deduct	*-18.50*	
		For >50 To 100, Deduct	*-30.07*	
		For >100, Deduct	*-44.02*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	329.15	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.02*	
		For >25 To 50, Deduct	*-18.85*	
		For >50 To 100, Deduct	*-30.83*	
		For >100, Deduct	*-45.31*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.76	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.21*	
		For >25 To 50, Deduct	*-18.91*	
		For >50 To 100, Deduct	*-30.97*	
		For >100, Deduct	*-45.56*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.41	84.69
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.40*	
		For >25 To 50, Deduct	*-19.50*	
		For >50 To 100, Deduct	*-31.82*	
		For >100, Deduct	*-46.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	358.18	84.69
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.66*	
		For >25 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-33.46*	
		For >100, Deduct	*-49.49*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	399.44	88.22
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.76*	
		For >25 To 50, Deduct	*-22.15*	
		For >50 To 100, Deduct	*-37.16*	
		For >100, Deduct	*-55.51*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	333.92	77.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.44*	
		For >25 To 50, Deduct	*-18.79*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-46.21*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	333.92	77.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.44*	
		For >25 To 50, Deduct	*-18.79*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-46.21*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.35	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.68*	
		For >25 To 50, Deduct	*-19.74*	
		For >50 To 100, Deduct	*-32.77*	
		For >100, Deduct	*-48.64*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	361.68	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.92*	
		For >25 To 50, Deduct	*-20.15*	
		For >50 To 100, Deduct	*-33.68*	
		For >100, Deduct	*-50.19*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	363.59	81.16
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.15*	
		For >25 To 50, Deduct	*-20.23*	
		For >50 To 100, Deduct	*-33.84*	
		For >100, Deduct	*-50.48*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	372.58	84.69
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.38*	
		For >25 To 50, Deduct	*-20.83*	
		For >50 To 100, Deduct	*-34.72*	
		For >100, Deduct	*-51.65*	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	394.99	84.69
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.07*	
		For >25 To 50, Deduct	*-21.73*	
		For >50 To 100, Deduct	*-36.68*	
		For >100, Deduct	*-55.01*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	442.93	88.22
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.98*	
		For >25 To 50, Deduct	*-23.89*	
		For >50 To 100, Deduct	*-40.96*	
		For >100, Deduct	*-62.03*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.78	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*306.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.01*	
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-31.06*	
		For >100, Deduct	*-46.04*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.78	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*306.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.01*	
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-31.06*	
		For >100, Deduct	*-46.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.12	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*323.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.35*	
		For >25 To 50, Deduct	*-19.69*	
		For >50 To 100, Deduct	*-32.66*	
		For >100, Deduct	*-48.46*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	360.37	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*341.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*237.65*	
		For >25 To 50, Deduct	*-20.10*	
		For >50 To 100, Deduct	*-33.56*	
		For >100, Deduct	*-50.00*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	362.28	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*344.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.94*	
		For >25 To 50, Deduct	*-20.17*	
		For >50 To 100, Deduct	*-33.73*	
		For >100, Deduct	*-50.28*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	371.27	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*348.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.27*	
		For >25 To 50, Deduct	*-20.78*	
		For >50 To 100, Deduct	*-34.60*	
		For >100, Deduct	*-51.46*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	393.52	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*386.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.97*	
		For >25 To 50, Deduct	*-21.67*	
		For >50 To 100, Deduct	*-36.55*	
		For >100, Deduct	*-54.79*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	441.21	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*456.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.72*	
		For >25 To 50, Deduct	*-23.82*	
		For >50 To 100, Deduct	*-40.81*	
		For >100, Deduct	*-61.77*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	454.47	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*479.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.64*	
		For >25 To 50, Deduct	*-24.35*	
		For >50 To 100, Deduct	*-41.97*	
		For >100, Deduct	*-63.76*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	480.92	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*525.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*164.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*228.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*365.38*	
		For >25 To 50, Deduct	*-25.41*	
		For >50 To 100, Deduct	*-44.29*	
		For >100, Deduct	*-67.73*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	343.11	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*324.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.41*	
		For >25 To 50, Deduct	*-19.16*	
		For >50 To 100, Deduct	*-31.96*	
		For >100, Deduct	*-47.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	343.11	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*324.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.41*	
		For >25 To 50, Deduct	*-19.16*	
		For >50 To 100, Deduct	*-31.96*	
		For >100, Deduct	*-47.58*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	361.05	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*342.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.46*	
		For >25 To 50, Deduct	*-20.12*	
		For >50 To 100, Deduct	*-33.62*	
		For >100, Deduct	*-50.10*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	371.91	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*361.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.50*	
		For >25 To 50, Deduct	*-20.56*	
		For >50 To 100, Deduct	*-34.57*	
		For >100, Deduct	*-51.73*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	373.93	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*365.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.92*	
		For >25 To 50, Deduct	*-20.64*	
		For >50 To 100, Deduct	*-34.75*	
		For >100, Deduct	*-52.03*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	383.02	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*368.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.37*	
		For >25 To 50, Deduct	*-21.25*	
		For >50 To 100, Deduct	*-35.63*	
		For >100, Deduct	*-53.22*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	406.56	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*409.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.62*	
		For >25 To 50, Deduct	*-22.19*	
		For >50 To 100, Deduct	*-37.69*	
		For >100, Deduct	*-56.75*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	456.62	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*483.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*151.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*210.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*336.22*	
		For >25 To 50, Deduct	*-24.44*	
		For >50 To 100, Deduct	*-42.16*	
		For >100, Deduct	*-64.08*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	470.64	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*507.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*220.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*353.04*	
		For >25 To 50, Deduct	*-25.00*	
		For >50 To 100, Deduct	*-43.39*	
		For >100, Deduct	*-66.19*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	498.65	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*555.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*241.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*386.65*	
		For >25 To 50, Deduct	*-26.12*	
		For >50 To 100, Deduct	*-45.84*	
		For >100, Deduct	*-70.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	379.74	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*387.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.36*	
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-35.17*	
		For >100, Deduct	*-53.08*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	379.74	77.63
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*387.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.36*	
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-35.17*	
		For >100, Deduct	*-53.08*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	399.81	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*409.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*178.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.98*	
		For >25 To 50, Deduct	*-21.67*	
		For >50 To 100, Deduct	*-37.01*	
		For >100, Deduct	*-55.91*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	412.79	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*432.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*300.55*	
		For >25 To 50, Deduct	*-22.19*	
		For >50 To 100, Deduct	*-38.15*	
		For >100, Deduct	*-57.86*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	415.19	81.16
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*436.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*136.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*189.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*303.43*	
		For >25 To 50, Deduct	*-22.29*	
		For >50 To 100, Deduct	*-38.36*	
		For >100, Deduct	*-58.22*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	424.69	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*440.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.37*	
		For >25 To 50, Deduct	*-22.92*	
		For >50 To 100, Deduct	*-39.28*	
		For >100, Deduct	*-59.47*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	452.81	84.69
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*488.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*212.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*340.12*	
		For >25 To 50, Deduct	*-24.04*	
		For >50 To 100, Deduct	*-41.74*	
		For >100, Deduct	*-63.69*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	511.25	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*577.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*401.77*	
		For >25 To 50, Deduct	*-26.63*	
		For >50 To 100, Deduct	*-46.94*	
		For >100, Deduct	*-72.28*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	528.02	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*606.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*263.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*421.90*	
		For >25 To 50, Deduct	*-27.30*	
		For >50 To 100, Deduct	*-48.41*	
		For >100, Deduct	*-74.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	561.48	88.22
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*664.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*462.05*	
		For >25 To 50, Deduct	*-28.63*	
		For >50 To 100, Deduct	*-51.34*	
		For >100, Deduct	*-79.81*	

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	532.34	49.40
		For Oak, Add	*119.66*	
		For Ash/Hickory, Add	*174.28*	
		For Walnut, Add	*254.05*	
		For Cherry, Add	*413.16*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	549.89	52.93
		For Oak, Add	*122.56*	
		For Ash/Hickory, Add	*178.51*	
		For Walnut, Add	*260.21*	
		For Cherry, Add	*423.18*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	570.07	56.46
		For Oak, Add	*126.18*	
		For Ash/Hickory, Add	*183.79*	
		For Walnut, Add	*267.91*	
		For Cherry, Add	*435.69*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	585.02	59.99
		For Oak, Add	*128.36*	
		For Ash/Hickory, Add	*186.96*	
		For Walnut, Add	*272.53*	
		For Cherry, Add	*443.21*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	605.23	63.52
		For Oak, Add	*131.98*	
		For Ash/Hickory, Add	*192.24*	
		For Walnut, Add	*280.23*	
		For Cherry, Add	*455.72*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	622.80	67.05
		For Oak, Add	*134.89*	
		For Ash/Hickory, Add	*196.47*	
		For Walnut, Add	*286.39*	
		For Cherry, Add	*465.75*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,043.52	88.22
		For Oak, Add	*239.31*	
		For Ash/Hickory, Add	*348.57*	
		For Walnut, Add	*508.11*	
		For Cherry, Add	*826.33*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,104.92	95.28
		For Oak, Add	*252.37*	
		For Ash/Hickory, Add	*367.58*	
		For Walnut, Add	*535.82*	
		For Cherry, Add	*871.39*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,182.12	102.34
		For Oak, Add	*269.77*	
		For Ash/Hickory, Add	*392.93*	
		For Walnut, Add	*572.77*	
		For Cherry, Add	*931.49*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	624.30	49.40
		For Oak, Add	*122.97*	
		For Ash/Hickory, Add	*122.97*	
		For Walnut, Add	*202.32*	
		For Cherry, Add	*379.94*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	654.99	52.93
		For Oak, Add	*128.50*	
		For Ash/Hickory, Add	*128.50*	
		For Walnut, Add	*211.42*	
		For Cherry, Add	*397.04*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	677.80	56.46
		For Oak, Add	*132.19*	
		For Ash/Hickory, Add	*132.19*	
		For Walnut, Add	*217.49*	
		For Cherry, Add	*408.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	698.00	59.99
		For Oak, Add	*135.26*	
		For Ash/Hickory, Add	*135.26*	
		For Walnut, Add	*222.55*	
		For Cherry, Add	*417.93*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	715.59	63.52
		For Oak, Add	*137.72*	
		For Ash/Hickory, Add	*137.72*	
		For Walnut, Add	*226.60*	
		For Cherry, Add	*425.53*	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	738.40	67.05
		For Oak, Add	*141.41*	
		For Ash/Hickory, Add	*141.41*	
		For Walnut, Add	*232.66*	
		For Cherry, Add	*436.92*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,227.44	88.22
		For Oak, Add	*245.93*	
		For Ash/Hickory, Add	*245.93*	
		For Walnut, Add	*404.64*	
		For Cherry, Add	*759.87*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,320.37	95.28
		For Oak, Add	*264.38*	
		For Ash/Hickory, Add	*264.38*	
		For Walnut, Add	*434.98*	
		For Cherry, Add	*816.86*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,413.34	102.34
		For Oak, Add	*282.82*	
		For Ash/Hickory, Add	*282.82*	
		For Walnut, Add	*465.33*	
		For Cherry, Add	*873.85*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	781.95	49.40
		For Oak, Add	*159.86*	
		For Ash/Hickory, Add	*159.86*	
		For Walnut, Add	*263.01*	
		For Cherry, Add	*493.92*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	820.52	52.93
		For Oak, Add	*167.24*	
		For Ash/Hickory, Add	*167.24*	
		For Walnut, Add	*275.15*	
		For Cherry, Add	*516.71*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	843.33	56.46
		For Oak, Add	*170.92*	
		For Ash/Hickory, Add	*170.92*	
		For Walnut, Add	*281.22*	
		For Cherry, Add	*528.11*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	868.79	59.99
		For Oak, Add	*175.23*	
		For Ash/Hickory, Add	*175.23*	
		For Walnut, Add	*288.30*	
		For Cherry, Add	*541.41*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	891.63	63.52
		For Oak, Add	*178.92*	
		For Ash/Hickory, Add	*178.92*	
		For Walnut, Add	*294.37*	
		For Cherry, Add	*552.81*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	914.45	67.05
		For Oak, Add	*182.61*	
		For Ash/Hickory, Add	*182.61*	
		For Walnut, Add	*300.44*	
		For Cherry, Add	*564.21*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,542.74	88.22
		For Oak, Add	*319.71*	
		For Ash/Hickory, Add	*319.71*	
		For Walnut, Add	*526.03*	
		For Cherry, Add	*987.83*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,651.44	95.28
		For Oak, Add	*341.85*	
		For Ash/Hickory, Add	*341.85*	
		For Walnut, Add	*562.44*	
		For Cherry, Add	*1,056.22*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,765.43	102.34
		For Oak, Add	*365.21*	
		For Ash/Hickory, Add	*365.21*	
		For Walnut, Add	*600.88*	
		For Cherry, Add	*1,128.42*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	834.50	49.40
		For Oak, Add	*172.15*	
		For Ash/Hickory, Add	*172.15*	
		For Walnut, Add	*283.24*	
		For Cherry, Add	*531.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	878.32	52.93
		For Oak, Add	*180.76*	
		For Ash/Hickory, Add	*180.76*	
		For Walnut, Add	*297.40*	
		For Cherry, Add	*558.50*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	903.77	56.46
		For Oak, Add	*185.07*	
		For Ash/Hickory, Add	*185.07*	
		For Walnut, Add	*304.49*	
		For Cherry, Add	*571.81*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	929.22	59.99
		For Oak, Add	*189.37*	
		For Ash/Hickory, Add	*189.37*	
		For Walnut, Add	*311.57*	
		For Cherry, Add	*585.10*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	952.07	63.52
		For Oak, Add	*193.06*	
		For Ash/Hickory, Add	*193.06*	
		For Walnut, Add	*317.64*	
		For Cherry, Add	*596.50*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	977.51	67.05
		For Oak, Add	*197.36*	
		For Ash/Hickory, Add	*197.36*	
		For Walnut, Add	*324.72*	
		For Cherry, Add	*609.80*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,647.84	88.22
		For Oak, Add	*344.31*	
		For Ash/Hickory, Add	*344.31*	
		For Walnut, Add	*566.49*	
		For Cherry, Add	*1,063.82*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,772.31	95.28
		For Oak, Add	*370.13*	
		For Ash/Hickory, Add	*370.13*	
		For Walnut, Add	*608.98*	
		For Cherry, Add	*1,143.61*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,891.55	102.34
		For Oak, Add	*394.73*	
		For Ash/Hickory, Add	*394.73*	
		For Walnut, Add	*649.44*	
		For Cherry, Add	*1,219.60*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	887.05	49.40
		For Oak, Add	*184.45*	
		For Ash/Hickory, Add	*184.45*	
		For Walnut, Add	*303.48*	
		For Cherry, Add	*569.90*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	930.88	52.93
		For Oak, Add	*193.06*	
		For Ash/Hickory, Add	*193.06*	
		For Walnut, Add	*317.64*	
		For Cherry, Add	*596.50*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	958.95	56.46
		For Oak, Add	*197.98*	
		For Ash/Hickory, Add	*197.98*	
		For Walnut, Add	*325.73*	
		For Cherry, Add	*611.70*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	987.03	59.99
		For Oak, Add	*202.90*	
		For Ash/Hickory, Add	*202.90*	
		For Walnut, Add	*333.83*	
		For Cherry, Add	*626.90*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,009.87	63.52
		For Oak, Add	*206.58*	
		For Ash/Hickory, Add	*206.58*	
		For Walnut, Add	*339.89*	
		For Cherry, Add	*638.29*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,037.94	67.05
		For Oak, Add	*211.50*	
		For Ash/Hickory, Add	*211.50*	
		For Walnut, Add	*347.99*	
		For Cherry, Add	*653.49*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,752.94	88.22
		For Oak, Add	*368.90*	
		For Ash/Hickory, Add	*368.90*	
		For Walnut, Add	*606.95*	
		For Cherry, Add	*1,139.81*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,882.66	95.28
		For Oak, Add	*395.95*	
		For Ash/Hickory, Add	*395.95*	
		For Walnut, Add	*651.46*	
		For Cherry, Add	*1,223.40*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,012.41	102.34
		For Oak, Add	*423.01*	
		For Ash/Hickory, Add	*423.01*	
		For Walnut, Add	*695.97*	
		For Cherry, Add	*1,306.98*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0055		Accessories *(08 14 73 00-0001)*		
08 14 73 00-0056		Jamb Replacement *(08 14 73 00-0055)*		
08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	154.83	
		For Oak, Add	*9.52*	
		For Ash/Hickory, Add	*14.91*	
		For Walnut, Add	*32.60*	
		For Cherry, Add	*51.65*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	157.54	
		For Oak, Add	*9.83*	
		For Ash/Hickory, Add	*15.39*	
		For Walnut, Add	*33.65*	
		For Cherry, Add	*53.31*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	175.21	
		For Oak, Add	*11.82*	
		For Ash/Hickory, Add	*18.52*	
		For Walnut, Add	*40.49*	
		For Cherry, Add	*64.14*	
08 14 73 00-0060		Track And Hardware Replacement Kits *(08 14 73 00-0055)*		
		Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	309.44	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	311.98	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	317.07	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	365.42	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	367.96	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	373.05	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	390.87	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	393.41	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	398.50	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	46.62	
08 14 73 00-0071		Bi-Pass Doors *(08 14 73)*		
		Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 Lb. maximum door weight (each opening).		
08 14 73 00-0072		Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	499.73	112.87
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	548.09	119.92
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	597.02	126.98
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	810.66	134.03
08 14 73 00-0077		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	467.99	112.87
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	498.60	119.92
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	542.55	126.98
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	747.18	134.03
08 14 73 00-0082		Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	525.13	112.87
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	579.08	119.92
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	633.93	126.98
08 14 73 00-0086	EA	8' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	861.46	134.03
08 14 73 00-0087		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0088	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	877.38	112.87
08 14 73 00-0089	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	965.19	119.92
08 14 73 00-0090	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	1,102.24	126.98
08 14 73 00-0091	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	1,565.96	134.03
08 14 73 00-0092		Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0093	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	1,208.27	112.87
08 14 73 00-0094	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	1,271.56	119.92
08 14 73 00-0095	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	1,375.94	126.98
08 14 73 00-0096	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	2,227.73	134.03
08 14 73 00-0097		Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0098	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	500.62	112.87
08 14 73 00-0099	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	545.89	119.92
08 14 73 00-0100	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	593.36	126.98
08 14 73 00-0101	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	812.44	134.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		Bi-Fold Wood Doors *(08 14 76)* Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
08 14 76 00-0002		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	246.99	84.65
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	261.10	91.70
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	280.39	98.76
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	294.49	105.81
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	374.83	112.87
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	388.94	119.92
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	414.04	126.98
08 14 76 00-0010		Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	259.66	84.65
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	277.93	91.70
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	300.02	98.76
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	314.12	105.81
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	401.97	112.87
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	431.25	119.92
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	462.12	126.98
08 14 76 00-0018		Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	260.25	84.65
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	286.05	91.70
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	307.51	98.76
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	321.61	105.81
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	408.52	112.87
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	425.26	119.92
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	462.12	126.98
08 14 76 00-0026		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	637.03	84.65
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	726.71	91.70
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	828.65	98.76
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	842.75	105.81
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,161.19	112.87
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,326.45	119.92
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,516.21	126.98
08 14 76 00-0034		Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	810.64	84.65
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	879.90	91.70
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	961.41	98.76
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	975.51	105.81
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,508.42	112.87
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,632.82	119.92
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,781.74	126.98
08 14 76 00-0042		Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	251.45	84.65
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	270.77	91.70
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	295.91	98.76
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	300.72	105.81
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	367.48	112.87
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	396.17	119.92
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	441.79	126.98
08 16		**Composite Doors** *(08 10)* Note: Includes machining for all hardware. Excludes frames, finish hardware.		
08 16 13		**Fiberglass Doors** *(08 16)* See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 13 00-0001		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*		
08 16 13 00-0002		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0003		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*		
		Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0004		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*		
08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,577.82	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,818.99	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,186.26	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0009		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*		
08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,577.82	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,914.22	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,287.44	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0013		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0015		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*		
08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,244.43	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,332.84	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,940.16	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0019		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*		
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,244.43	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,642.33	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,055.23	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0023		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0024		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,244.43	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,332.84	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,940.16	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,244.43	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,642.33	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,055.23	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0032 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0033 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*

08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,244.43	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,332.84	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,940.16	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0037 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*

08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,244.43	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,642.33	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,055.23	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*

08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,782.17	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*

08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,782.17	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*

08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.51	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.66	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf)	1.31	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.46	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf)	13.89	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	17.86	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	37.70	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	41.66	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	81.34	

08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*

08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*

Note: White, tan, brown or gray finish. Includes factory hardware prep.

08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0062	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,737.77	84.69
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0063	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,776.04	88.22
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0064	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,910.19	95.28
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0066	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,737.77	84.69
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0067	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,896.07	88.22
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0068	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,910.19	95.28
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0069 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0070 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0071 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0072	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,538.22	84.69
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0073	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,631.70	88.22
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0074	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,852.27	95.28
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0075 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0076	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,538.22	84.69
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0077	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,665.31	88.22
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0078	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,955.50	95.28
			For Custom Color Finish, Add	*185.50*	
			For Stainless Steel Continuous Hinge, Add	*412.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,538.22	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,631.70	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,852.27	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,538.22	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,665.31	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,955.50	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,538.22	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,631.70	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,852.27	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,538.22	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,665.31	88.22
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,955.50	95.28
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,097.86	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,097.86	84.69
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.13	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.17	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.23	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.77	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.70	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.12	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	9.60	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	12.00	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	38.41	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	136.83	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	52.81	

08 16 13 00-0114 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors *(08 16 13 00-0001)*

Note: Includes surface closer blocking, hinge preparation and cylinder lock preparation.

08 16 13 00-0115	EA	3' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,113.84	84.69
08 16 13 00-0116	EA	3'-6" x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,351.16	88.22
08 16 13 00-0117	EA	4' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,595.55	95.28
08 16 13 00-0118	EA	Pair 6' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	4,340.14	100.78
08 16 13 00-0119	EA	Pair 7' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	4,907.53	117.58
08 16 13 00-0120	EA	Pair 8' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	5,467.45	130.71
08 16 13 00-0121	EA	3' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,336.43	84.69
08 16 13 00-0122	EA	3'-6" x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,607.02	88.22
08 16 13 00-0123	EA	4' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,884.66	95.28
08 16 13 00-0124	EA	Pair 6' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	4,907.99	100.78
08 16 13 00-0125	EA	Pair 7' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	5,543.52	117.58
08 16 13 00-0126	EA	Pair 8' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	6,167.04	130.71

08 16 13 00-0127 Commercial Door Systems F500 Fiberglass Reinforced Polyester (FRP) Doors *(08 16 13 00-0001)*

08 16 13 00-0128	EA	Up To 3'-0" x 7'-0" CDS Fiberglass Reinforced Polyester (FRP) Door Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.	2,240.15	84.69
08 16 13 00-0129	EA	>3'-0" x 7'-0" To 3'-6" x 7'-0" CDS Fiberglass Reinforced Polyester (FRP) Door Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.	2,373.36	88.22
08 16 13 00-0130	EA	>3'-6" x 7'-0" To 4'-0" x 7'-0" CDS Fiberglass Reinforced Polyester (FRP) Door Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.	2,566.00	95.28
08 16 13 00-0131	LF	2" x 6" Extruded Aluminum Door And Window Framing For Fiberglass Reinforced Polyester (FRP) Doors Note: Excludes glazing.	78.16	4.23
08 16 13 00-0132	EA	12" x 12" 1/4" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	249.92	
08 16 13 00-0133	EA	6" x 32" 1/4" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	271.34	
08 16 13 00-0134	EA	22" x 32" 1/4" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	323.71	
08 16 13 00-0135	EA	12" x 12" 1" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	349.89	
08 16 13 00-0136	EA	6" x 32" 1" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	385.59	
08 16 13 00-0137	EA	22" x 32" 1" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	454.62	
08 16 13 00-0138	EA	12" x 12", 1/4" Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors	559.35	
08 16 13 00-0139	EA	6" x 32", 1/4" Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors	559.35	
08 16 13 00-0140	EA	22" x 32", 1/4" Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors	961.60	
08 16 13 00-0141	EA	<81" Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors	404.63	
08 16 13 00-0142	EA	81" To 120" Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors	585.53	
08 16 13 00-0143	EA	>120" Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors	849.73	
08 16 13 00-0144	EA	18" X 18" Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	735.48	
08 16 13 00-0145	EA	22" X 24" Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	987.78	
08 16 13 00-0146	EA	22" X 32" Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors	1,035.39	
08 16 13 00-0147	SF	1" Fiberglass Reinforced Polyester (FRP) Infill Panel For CDS Fiberglass Reinforced Polyester (FRP) Doors	57.98	14.12

08 16 13 00-0148 Galvanized Insulated Poly Core Composite Doors *(08 16 13)*

08 16 13 00-0149	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,416.02	84.69

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	476.23	68.96
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	553.27	73.47
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	644.89	77.70
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	743.28	81.65
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	760.15	82.07
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	982.99	84.62

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0009		Stainless Steel Access Doors *(08 31 13 00-0001)*		
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	196.51	52.89
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	233.55	68.96
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	328.57	73.47
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	352.49	77.70
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	407.84	81.65
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	463.01	82.07
08 31 13 00-0016		Steel Access Doors *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0017		Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	321.56	69.38
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	397.55	73.47
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	397.49	77.70
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	471.61	82.07
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	492.79	82.07
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	649.22	84.62
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	748.03	88.14
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	923.31	88.14
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	1,184.40	105.76
08 31 13 00-0027		Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	166.23	53.17
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	178.02	69.38
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	204.62	73.47
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	210.44	77.70
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	249.28	82.07
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	255.11	82.07
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	330.39	84.62
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	434.90	88.14
08 31 13 00-0036		Steel Recessed Access Doors For Drywall Application *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch	236.34	52.89
		For Recessed Doors In Acoustical Tile, Add	*22.72*	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch	247.43	56.69
		For Recessed Doors In Acoustical Tile, Add	*25.21*	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch	265.88	59.94
		For Recessed Doors In Acoustical Tile, Add	*26.07*	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch	311.61	63.46
		For Recessed Doors In Acoustical Tile, Add	*23.06*	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch	327.88	66.98
		For Recessed Doors In Acoustical Tile, Add	*24.51*	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch	358.68	66.98
		For Recessed Doors In Acoustical Tile, Add	*19.89*	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch	446.85	84.62
		For Recessed Doors In Acoustical Tile, Add	*26.04*	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch	636.80	88.14
		For Recessed Doors In Acoustical Tile, Add	*1.43*	
08 31 13 00-0045		Steel Crawl Space Doors And Frames *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch	272.12	89.27
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch	381.81	108.16
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch	427.77	117.48

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001		Overhead Rolling Counter Doors *(08 33 13)*		
08 33 13 00-0002		Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*		
		Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,899.66	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,025.95	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,306.93	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,784.35	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,467.96	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,764.43	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,908.28	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,237.65	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,264.64	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,763.80	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,946.10	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,204.79	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,081.44	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,373.96	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,545.41	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,078.26	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,039.79	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,214.06	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,741.27	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,789.45	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,823.98	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,156.44	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,346.05	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,759.20	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,657.39	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,846.82	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,190.95	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,731.51	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,036.25	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,364.30	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,571.29	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,805.94	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,535.22	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,261.27	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,443.58	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,065.29	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,989.00	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,326.90	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,589.11	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,167.34	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,612.21	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,786.47	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	21,675.04	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,577.68	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,873.60	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,249.63	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,504.59	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,547.42	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,740.89	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,915.15	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,180.96	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,706.36	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,525.07	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,901.10	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,243.19	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,588.97	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	11,799.07	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,706.63	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,613.30	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,871.99	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,160.41	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,269.73	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,711.77	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,698.40	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,625.16	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,751.45	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,095.57	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,888.71	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,004.02	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,584.65	806.99
		For Motor Operator (With Safety Reverse), Add	*851.77*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	9,044.21	839.31
		For Motor Operator (With Safety Reverse), Add	*859.84*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	10,478.60	907.95
		For Motor Operator (With Safety Reverse), Add	*876.99*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	14,067.97	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	14,521.75	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	16,428.42	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	8,130.31	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	10,656.07	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	12,010.50	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0092		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,246.29	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,004.02	726.36
		For Motor Operator (With Safety Reverse), Add	*831.59*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,537.58	771.76
		For Motor Operator (With Safety Reverse), Add	*840.75*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	9,520.15	907.95
		For Motor Operator (With Safety Reverse), Add	*875.86*	
08 33 16		**Coiling Counter Grilles** *(08 33)*		
08 33 16 00-0001		Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*		
08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,873.91	317.78
		For Lexan Lattice Pattern, Add	*144.89*	
		For Staggered Brick Pattern, Add	*183.72*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,125.51	372.26
		For Lexan Lattice Pattern, Add	*159.48*	
		For Staggered Brick Pattern, Add	*249.24*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,372.34	423.65
		For Lexan Lattice Pattern, Add	*174.26*	
		For Staggered Brick Pattern, Add	*314.76*	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,648.79	481.22
		For Lexan Lattice Pattern, Add	*193.03*	
		For Staggered Brick Pattern, Add	*380.29*	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,925.55	535.70
		For Lexan Lattice Pattern, Add	*211.80*	
		For Staggered Brick Pattern, Add	*445.80*	
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,282.25	581.09
		For Lexan Lattice Pattern, Add	*242.42*	
		For Staggered Brick Pattern, Add	*516.82*	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,636.25	635.57
		For Lexan Lattice Pattern, Add	*273.05*	
		For Staggered Brick Pattern, Add	*587.84*	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,141.88	726.36
		For Lexan Lattice Pattern, Add	*303.68*	
		For Staggered Brick Pattern, Add	*587.84*	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,669.95	847.12
		For Lexan Lattice Pattern, Add	*337.31*	
		For Staggered Brick Pattern, Add	*729.88*	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,751.32	1,016.90
		For Lexan Lattice Pattern, Add	*426.18*	
		For Staggered Brick Pattern, Add	*754.74*	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	7,137.65	1,271.13
		For Lexan Lattice Pattern, Add	*525.88*	
		For Staggered Brick Pattern, Add	*866.36*	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,925.64	317.78
		For Lexan Lattice Pattern, Add	*152.65*	
		For Staggered Brick Pattern, Add	*213.45*	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,197.49	372.26
		For Lexan Lattice Pattern, Add	*170.28*	
		For Staggered Brick Pattern, Add	*290.30*	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,382.57	423.83
		For Lexan Lattice Pattern, Add	*175.79*	
		For Staggered Brick Pattern, Add	*367.15*	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,644.52	481.22
		For Lexan Lattice Pattern, Add	*192.39*	
		For Staggered Brick Pattern, Add	*443.99*	
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,909.48	535.70
		For Lexan Lattice Pattern, Add	*208.98*	
		For Staggered Brick Pattern, Add	*520.83*	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,288.85	581.09
		For Lexan Lattice Pattern, Add	*243.41*	
		For Staggered Brick Pattern, Add	*618.92*	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,668.22	635.57
		For Lexan Lattice Pattern, Add	*277.85*	
		For Staggered Brick Pattern, Add	*716.99*	
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,199.22	726.36
		For Lexan Lattice Pattern, Add	*312.28*	
		For Staggered Brick Pattern, Add	*716.99*	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,726.17	847.12
		For Lexan Lattice Pattern, Add	*346.71*	
		For Staggered Brick Pattern, Add	*913.15*	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,883.91	1,016.90
		For Lexan Lattice Pattern, Add	*446.07*	
		For Staggered Brick Pattern, Add	*1,052.68*	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	7,220.20	1,271.13
		For Lexan Lattice Pattern, Add	*538.26*	
		For Staggered Brick Pattern, Add	*1,180.13*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,979.76	317.78
		For Lexan Lattice Pattern, Add	*160.77*	
		For Staggered Brick Pattern, Add	*183.72*	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,271.18	372.26
		For Lexan Lattice Pattern, Add	*181.33*	
		For Staggered Brick Pattern, Add	*249.24*	
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,557.84	423.65
		For Lexan Lattice Pattern, Add	*202.08*	
		For Staggered Brick Pattern, Add	*314.76*	
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,874.11	481.22
		For Lexan Lattice Pattern, Add	*226.83*	
		For Staggered Brick Pattern, Add	*380.29*	
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,193.39	535.70
		For Lexan Lattice Pattern, Add	*251.57*	
		For Staggered Brick Pattern, Add	*445.80*	
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,613.40	581.09
		For Lexan Lattice Pattern, Add	*292.10*	
		For Staggered Brick Pattern, Add	*516.82*	
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,033.43	635.57
		For Lexan Lattice Pattern, Add	*332.63*	
		For Staggered Brick Pattern, Add	*587.84*	
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,605.09	726.36
		For Lexan Lattice Pattern, Add	*373.16*	
		For Staggered Brick Pattern, Add	*587.84*	
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,179.15	847.12
		For Lexan Lattice Pattern, Add	*413.69*	
		For Staggered Brick Pattern, Add	*729.88*	
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,386.41	1,016.90
		For Lexan Lattice Pattern, Add	*521.45*	
		For Staggered Brick Pattern, Add	*754.74*	
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	7,881.00	1,271.13
		For Lexan Lattice Pattern, Add	*637.38*	
		For Staggered Brick Pattern, Add	*866.36*	
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,084.39	317.78
		For Lexan Lattice Pattern, Add	*176.47*	
		For Staggered Brick Pattern, Add	*213.45*	
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,435.62	372.26
		For Lexan Lattice Pattern, Add	*206.00*	
		For Staggered Brick Pattern, Add	*290.30*	
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,700.05	423.83
		For Lexan Lattice Pattern, Add	*223.42*	
		For Staggered Brick Pattern, Add	*367.15*	
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,041.41	481.22
		For Lexan Lattice Pattern, Add	*251.92*	
		For Staggered Brick Pattern, Add	*443.99*	
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,385.80	535.70
		For Lexan Lattice Pattern, Add	*280.43*	
		For Staggered Brick Pattern, Add	*520.83*	
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,844.56	581.09
		For Lexan Lattice Pattern, Add	*326.77*	
		For Staggered Brick Pattern, Add	*618.92*	
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,303.32	635.57
		For Lexan Lattice Pattern, Add	*373.11*	
		For Staggered Brick Pattern, Add	*716.99*	
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,913.70	726.36
		For Lexan Lattice Pattern, Add	*419.45*	
		For Staggered Brick Pattern, Add	*716.99*	
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,520.04	847.12
		For Lexan Lattice Pattern, Add	*465.79*	
		For Staggered Brick Pattern, Add	*913.15*	
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,836.54	1,016.90
		For Lexan Lattice Pattern, Add	*588.97*	
		For Staggered Brick Pattern, Add	*1,052.68*	
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	8,329.31	1,271.13
		For Lexan Lattice Pattern, Add	*704.63*	
		For Staggered Brick Pattern, Add	*1,180.13*	

08 33 23 Overhead Coiling Doors *(08 33)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-0847 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0392 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,614.20	692.92
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,727.17	733.68
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,723.49	733.68
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,841.26	774.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,873.55	794.85
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,031.68	855.96
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,163.18	896.71
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,126.88	896.71
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,193.94	917.09
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,272.67	937.48
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,427.66	978.24
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,267.61	937.48
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,403.49	978.24
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,557.50	1,018.99
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,676.48	1,059.75

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,797.23	1,031.23
		For 3/4" Insulated Slats, Add	*1,558.89*	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,904.13	1,054.67
		For 3/4" Insulated Slats, Add	*1,609.72*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,220.55	1,124.97
		For 3/4" Insulated Slats, Add	*1,759.20*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,497.23	1,171.84
		For 3/4" Insulated Slats, Add	*1,908.12*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,058.40	1,078.10
		For 3/4" Insulated Slats, Add	*1,696.18*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,382.63	1,171.84
		For 3/4" Insulated Slats, Add	*1,822.17*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,613.13	1,218.72
		For 3/4" Insulated Slats, Add	*1,936.45*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,903.96	1,265.59
		For 3/4" Insulated Slats, Add	*2,095.98*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,331.29	1,124.97
		For 3/4" Insulated Slats, Add	*1,842.26*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,583.47	1,171.84
		For 3/4" Insulated Slats, Add	*1,972.80*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,929.42	1,265.59
		For 3/4" Insulated Slats, Add	*2,115.07*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,298.80	1,306.35
		For 3/4" Insulated Slats, Add	*2,341.16*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,431.88	1,387.87
		For 3/4" Insulated Slats, Add	*2,339.07*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,924.68	1,469.39
		For 3/4" Insulated Slats, Add	*2,606.77*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,437.47	1,550.91
		For 3/4" Insulated Slats, Add	*2,889.47*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,350.96	928.10
		For 3/4" Insulated Slats, Add	*1,353.09*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,603.62	979.67
		For 3/4" Insulated Slats, Add	*1,478.09*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,783.86	1,020.43
		For 3/4" Insulated Slats, Add	*1,562.31*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,827.58	1,082.79
		For 3/4" Insulated Slats, Add	*1,517.15*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,200.00	1,185.92
		For 3/4" Insulated Slats, Add	*1,667.57*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,434.24	1,226.67
		For 3/4" Insulated Slats, Add	*1,792.29*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,985.76	1,267.43
		For 3/4" Insulated Slats, Add	*2,154.99*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,578.05	1,328.58
		For 3/4" Insulated Slats, Add	*2,522.78*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,158.19	1,160.12
		For 3/4" Insulated Slats, Add	*1,668.51*	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,496.71	1,237.47
		For 3/4" Insulated Slats, Add	*1,825.70*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,767.12	1,289.04
		For 3/4" Insulated Slats, Add	*1,964.00*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,297.62	1,329.79
		For 3/4" Insulated Slats, Add	*2,310.93*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,868.85	1,390.94
		For 3/4" Insulated Slats, Add	*2,662.93*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,902.61	1,340.59
		For 3/4" Insulated Slats, Add	*2,001.22*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,253.48	1,392.16
		For 3/4" Insulated Slats, Add	*2,199.87*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,886.41	1,473.68
		For 3/4" Insulated Slats, Add	*2,572.67*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,600.86	1,595.96
		For 3/4" Insulated Slats, Add	*2,955.66*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,340.26	1,759.00
		For 3/4" Insulated Slats, Add	*3,306.41*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,161.19	1,962.80
		For 3/4" Insulated Slats, Add	*3,667.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,063.63	2,207.35
		For 3/4" Insulated Slats, Add	*4,038.49*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,045.84	2,492.67
		For 3/4" Insulated Slats, Add	*4,418.50*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,270.09	1,392.16
		For 3/4" Insulated Slats, Add	*2,212.33*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,616.65	1,436.99
		For 3/4" Insulated Slats, Add	*2,416.20*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,401.94	1,518.52
		For 3/4" Insulated Slats, Add	*2,903.27*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,268.75	1,640.80
		For 3/4" Insulated Slats, Add	*3,400.53*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,130.72	1,803.84
		For 3/4" Insulated Slats, Add	*3,843.21*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,074.22	2,007.63
		For 3/4" Insulated Slats, Add	*4,296.08*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,099.23	2,252.19
		For 3/4" Insulated Slats, Add	*4,759.15*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,287.28	2,578.27
		For 3/4" Insulated Slats, Add	*5,242.58*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,418.65	1,621.04
		For 3/4" Insulated Slats, Add	*2,787.72*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,013.00	1,702.55
		For 3/4" Insulated Slats, Add	*3,131.58*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,722.09	1,784.08
		For 3/4" Insulated Slats, Add	*3,561.49*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,440.96	1,906.36
		For 3/4" Insulated Slats, Add	*3,947.80*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,280.55	2,069.40
		For 3/4" Insulated Slats, Add	*4,373.69*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,119.40	2,232.43
		For 3/4" Insulated Slats, Add	*4,799.03*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,814.69	2,436.23
		For 3/4" Insulated Slats, Add	*5,815.75*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,591.49	2,680.79
		For 3/4" Insulated Slats, Add	*6,842.66*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,701.08	1,864.19
		For 3/4" Insulated Slats, Add	*3,445.57*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,372.58	1,945.71
		For 3/4" Insulated Slats, Add	*3,847.30*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,974.29	2,027.23
		For 3/4" Insulated Slats, Add	*4,196.68*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,677.71	2,149.51
		For 3/4" Insulated Slats, Add	*4,571.40*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,520.79	2,312.55
		For 3/4" Insulated Slats, Add	*4,999.91*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,473.80	2,475.58
		For 3/4" Insulated Slats, Add	*5,510.86*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,900.84	2,679.39
		For 3/4" Insulated Slats, Add	*6,326.39*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,419.98	2,923.95
		For 3/4" Insulated Slats, Add	*7,160.05*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,354.34	2,097.22
		For 3/4" Insulated Slats, Add	*3,644.19*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,958.86	2,178.74
		For 3/4" Insulated Slats, Add	*3,995.68*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,920.60	2,301.03
		For 3/4" Insulated Slats, Add	*4,564.13*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,828.75	2,464.06
		For 3/4" Insulated Slats, Add	*5,041.44*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,823.83	2,667.86
		For 3/4" Insulated Slats, Add	*5,533.00*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,901.13	2,912.42
		For 3/4" Insulated Slats, Add	*6,035.29*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,688.03	3,197.74
		For 3/4" Insulated Slats, Add	*7,018.81*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,588.61	3,523.81
		For 3/4" Insulated Slats, Add	*8,036.65*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,554.82	2,411.81
		For 3/4" Insulated Slats, Add	*4,151.32*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,677.82	2,493.32
		For 3/4" Insulated Slats, Add	*4,891.67*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,129.22	2,948.85
		For 3/4" Insulated Slats, Add	*5,410.90*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,340.26	3,071.12
		For 3/4" Insulated Slats, Add	*6,166.34*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,802.47	3,234.16
		For 3/4" Insulated Slats, Add	*7,059.19*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,425.67	3,397.20
		For 3/4" Insulated Slats, Add	*8,072.79*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,137.99	3,601.00
		For 3/4" Insulated Slats, Add	*9,102.28*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,958.43	3,845.56
		For 3/4" Insulated Slats, Add	*10,161.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,534.92	2,855.09
		For 3/4" Insulated Slats, Add	*4,332.37*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,804.99	2,977.37
		For 3/4" Insulated Slats, Add	*5,132.07*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,546.85	3,243.71
		For 3/4" Insulated Slats, Add	*6,105.45*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,109.28	3,365.99
		For 3/4" Insulated Slats, Add	*7,124.42*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,758.27	3,529.03
		For 3/4" Insulated Slats, Add	*8,157.37*	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,567.70	3,692.07
		For 3/4" Insulated Slats, Add	*9,310.64*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,463.94	3,895.87
		For 3/4" Insulated Slats, Add	*10,478.07*	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,430.99	4,140.43
		For 3/4" Insulated Slats, Add	*11,647.67*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,609.20	3,140.60
		For 3/4" Insulated Slats, Add	*4,781.12*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,473.27	3,222.11
		For 3/4" Insulated Slats, Add	*5,327.27*	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,307.95	3,303.63
		For 3/4" Insulated Slats, Add	*6,601.38*	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,045.44	3,425.91
		For 3/4" Insulated Slats, Add	*7,751.65*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,798.74	3,588.95
		For 3/4" Insulated Slats, Add	*8,862.83*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,711.27	3,751.99
		For 3/4" Insulated Slats, Add	*10,093.42*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,042.41	3,976.17
		For 3/4" Insulated Slats, Add	*11,561.55*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,427.25	4,200.35
		For 3/4" Insulated Slats, Add	*13,069.96*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,057.21	1,702.13
		For 3/4" Insulated Slats, Add	*3,165.35*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,724.42	1,787.73
		For 3/4" Insulated Slats, Add	*3,558.76*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,523.55	1,873.32
		For 3/4" Insulated Slats, Add	*4,051.11*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,325.80	2,001.63
		For 3/4" Insulated Slats, Add	*4,492.31*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,258.70	2,172.83
		For 3/4" Insulated Slats, Add	*4,978.00*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,190.79	2,344.01
		For 3/4" Insulated Slats, Add	*5,463.07*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,099.61	2,558.09
		For 3/4" Insulated Slats, Add	*6,627.20*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,094.03	2,814.87
		For 3/4" Insulated Slats, Add	*7,802.04*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,483.34	1,957.44
		For 3/4" Insulated Slats, Add	*3,915.79*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,239.26	2,043.04
		For 3/4" Insulated Slats, Add	*4,375.74*	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,914.93	2,128.64
		For 3/4" Insulated Slats, Add	*4,775.50*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,699.40	2,256.95
		For 3/4" Insulated Slats, Add	*5,203.36*	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,636.34	2,428.14
		For 3/4" Insulated Slats, Add	*5,692.07*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,699.69	2,599.34
		For 3/4" Insulated Slats, Add	*6,275.60*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,300.02	2,813.40
		For 3/4" Insulated Slats, Add	*7,208.36*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,998.12	3,070.19
		For 3/4" Insulated Slats, Add	*8,160.95*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,187.99	2,202.01
		For 3/4" Insulated Slats, Add	*4,138.38*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,866.87	2,287.60
		For 3/4" Insulated Slats, Add	*4,540.55*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,948.42	2,416.08
		For 3/4" Insulated Slats, Add	*5,191.22*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,960.18	2,587.27
		For 3/4" Insulated Slats, Add	*5,736.05*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,063.77	2,801.18
		For 3/4" Insulated Slats, Add	*6,296.25*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,253.75	3,057.96
		For 3/4" Insulated Slats, Add	*6,867.76*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,251.62	3,357.63
		For 3/4" Insulated Slats, Add	*7,991.68*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,372.06	3,700.02
		For 3/4" Insulated Slats, Add	*9,154.03*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,505.63	2,532.33
		For 3/4" Insulated Slats, Add	*4,713.72*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,780.77	2,617.92
		For 3/4" Insulated Slats, Add	*5,563.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,116.56	3,096.28
		For 3/4" Insulated Slats, Add	*5,967.07*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,447.22	3,224.76
		For 3/4" Insulated Slats, Add	*6,804.58*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,051.95	3,395.94
		For 3/4" Insulated Slats, Add	*7,794.14*	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,835.60	3,567.14
		For 3/4" Insulated Slats, Add	*8,917.88*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,713.26	3,781.04
		For 3/4" Insulated Slats, Add	*10,058.64*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,706.08	4,037.83
		For 3/4" Insulated Slats, Add	*11,232.27*	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,356.48	2,997.81
		For 3/4" Insulated Slats, Add	*4,770.11*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,752.72	3,126.28
		For 3/4" Insulated Slats, Add	*5,656.80*	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,655.68	3,405.89
		For 3/4" Insulated Slats, Add	*6,734.29*	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,376.74	3,534.37
		For 3/4" Insulated Slats, Add	*7,864.60*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,189.05	3,705.56
		For 3/4" Insulated Slats, Add	*9,009.84*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,179.58	3,876.75
		For 3/4" Insulated Slats, Add	*10,288.75*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,261.62	4,090.66
		For 3/4" Insulated Slats, Add	*11,582.80*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,417.35	4,347.44
		For 3/4" Insulated Slats, Add	*12,878.61*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,515.21	3,297.63
		For 3/4" Insulated Slats, Add	*5,264.36*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,465.32	3,383.23
		For 3/4" Insulated Slats, Add	*5,869.96*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,493.89	3,468.82
		For 3/4" Insulated Slats, Add	*7,284.39*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,409.48	3,597.13
		For 3/4" Insulated Slats, Add	*8,560.59*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,337.68	3,768.33
		For 3/4" Insulated Slats, Add	*9,792.75*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,442.78	3,939.51
		For 3/4" Insulated Slats, Add	*11,157.59*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,005.61	4,174.95
		For 3/4" Insulated Slats, Add	*12,785.43*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	26,627.97	4,410.37
		For 3/4" Insulated Slats, Add	*14,458.01*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0392 for lightweight framing and angle iron.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,066.71	928.10
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,288.57	979.67
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,812.93	1,020.43
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,734.66	1,082.79
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,087.71	1,185.92
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,316.12	1,226.67
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,588.53	1,267.43
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,904.91	1,328.58
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,070.44	1,160.12
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,423.90	1,237.47
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,728.93	1,289.04
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,001.57	1,329.79
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,316.01	1,390.94
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,847.56	1,340.59
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,148.01	1,392.16
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,554.35	1,473.68
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,043.56	1,595.96
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,787.99	1,759.00
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,613.86	1,962.80
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,517.23	2,207.35
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,503.31	2,492.67
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,143.06	1,392.16
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,709.21	1,436.99
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,243.57	1,518.52
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,861.71	1,640.80
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,693.81	1,803.84
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,609.36	2,007.63
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,326.88	2,252.19
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	10,210.03	2,578.27

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,893.23	1,621.04
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,586.50	1,702.55
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,267.26	1,784.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,979.28	1,906.36
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,813.67	2,069.40
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,648.00	2,232.43
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,574.85	2,436.23
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,583.34	2,680.79
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,858.06	1,864.19
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,581.15	1,945.71
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,275.98	2,027.23
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,072.75	2,149.51
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,007.51	2,312.55
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,989.33	2,475.58
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,014.99	2,679.39
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,073.57	2,923.95
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,670.88	2,097.22
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,442.60	2,178.74
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,367.03	2,301.03
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,360.79	2,464.06
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,446.09	2,667.86
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,606.64	2,912.42
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,847.14	3,197.74
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,175.43	3,523.81
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,770.68	2,411.81
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,556.51	2,493.32
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,841.14	2,615.61
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,782.21	2,778.64
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,952.22	2,982.45
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,231.97	3,227.00
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,543.04	3,512.32
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,968.62	3,838.40
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,358.35	2,855.09
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,399.83	2,977.37
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,842.54	3,243.71
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,976.57	3,365.99
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,190.57	3,529.03
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,415.53	3,692.07
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,662.42	3,895.87
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,998.65	4,140.43
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,414.21	3,140.60
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,055.71	3,222.11
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,539.68	3,303.63
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,802.34	3,425.91
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,082.21	3,588.95
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,362.12	3,751.99
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,886.65	3,955.78
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	20,539.81	4,200.35

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.85	1.76
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	35.83	2.12
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	34.19	2.12
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	322.40	88.22
08 33 23 11-0247	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	16.98	
08 33 23 11-0248	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	67.90	
08 33 23 11-0249	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,969.07	282.31
08 33 23 11-0250	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,470.04	282.31
08 33 23 11-0251	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,327.79	317.60
08 33 23 11-0252	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,739.10	317.60
08 33 23 11-0253	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,987.10	352.89
08 33 23 11-0254	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,236.62	352.89
08 33 23 11-0255	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	92.61	
08 33 23 11-0256	EA	Remote Transmitter Kit For Coiling Door Operators	432.41	141.15

08 33 23 11-0257 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0258	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	29.96	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0847 for forklift.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0001		32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)* Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002		32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*		
08 33 23 13-0003		5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,505.00	516.63
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,802.92	540.63
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,098.92	564.62
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,392.97	588.62
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,690.90	612.62
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,986.89	636.61
08 33 23 13-0010		6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,802.92	540.63
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,098.92	564.62
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,392.97	588.62
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,690.90	612.62
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,986.89	636.61
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.88	660.61
08 33 23 13-0017		7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,098.92	564.62
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,392.97	588.62
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,690.90	612.62
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,986.89	636.61
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.88	660.61
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,580.82	684.60
08 33 23 13-0024		8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,392.97	588.62
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,690.90	612.62
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,986.89	636.61
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.88	660.61
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,580.82	684.60
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,874.88	708.60
08 33 23 13-0031		9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,690.90	612.62
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,986.89	636.61
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.88	660.61
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,580.82	684.60
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,874.88	708.60
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,172.80	732.60
08 33 23 13-0038		10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,986.89	636.61
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.88	660.61
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,580.82	684.60
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,874.88	708.60
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,172.80	732.60
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,468.79	756.59
08 33 23 13-0045		Rytec® Bantam® Door Options *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	12.11	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	26.64	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	38.75	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	368.12	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	722.40	70.58
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	722.40	70.58
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	3,043.24	141.15
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	393.02	70.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	383.34	70.58
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0055)*		
08 33 23 13-0057		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,708.14	564.62
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,982.17	588.62
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,297.46	612.62
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,734.74	636.61
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,181.00	660.61
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,928.65	684.60
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,461.02	708.60
08 33 23 13-0065		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,041.37	588.62
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,388.95	612.62
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,824.44	636.61
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,285.05	660.61
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,890.97	684.60
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,620.68	708.60
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,197.90	732.60
08 33 23 13-0073		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,446.36	612.62
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,880.06	636.61
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,358.60	660.61
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,982.47	684.60
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,545.34	708.60
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,339.62	732.60
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,992.18	756.59
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,939.26	636.61
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,414.21	660.61
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,038.08	684.60
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,618.89	708.60
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,228.40	732.60
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,861.22	756.59
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,555.04	780.59
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,460.86	660.61
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,097.28	684.60
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,672.71	708.60
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,287.60	732.60
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,968.86	756.59
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,110.14	780.59
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,265.02	804.58
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,131.37	684.60
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,721.15	708.60
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,343.21	732.60
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,026.27	756.59
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,476.11	780.59
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,361.89	804.58
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,088.01	828.58
08 33 23 13-0105		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,737.29	708.60
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,375.50	732.60
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,071.12	756.59
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,537.10	780.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,148.41	804.58
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,170.53	828.58
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,882.29	852.59

08 33 23 13-0113 Rytec® PredaDoor® Door Options *(08 33 23 13-0055)*

08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	865.35	141.15
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,251.06	141.15
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	14.53	

08 33 23 13-0117 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13)*

Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.

08 33 23 13-0118 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0117)*

08 33 23 13-0119 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,428.36	1,270.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,578.53	1,306.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,581.58	1,342.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,659.99	1,378.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,881.92	1,414.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,526.19	1,450.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,529.25	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,424.38	1,525.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,846.37	1,564.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,997.22	1,605.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,421.44	1,647.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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CSI	UOM	DESCRIPTION	MINOR UNIT COST	TOTAL DIRECT DEMOLITION UNIT COST
08 33 23 13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,578.53	1,306.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,581.58	1,342.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,659.99	1,378.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,881.92	1,414.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,526.19	1,450.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,529.25	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,821.14	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,846.37	1,564.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,997.22	1,605.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,421.44	1,647.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,117.15	1,689.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0143		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,581.58	1,342.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,659.99	1,378.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,881.92	1,414.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,526.19	1,450.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,529.25	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,821.14	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,041.28	1,558.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,995.66	1,604.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,419.84	1,646.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,115.50	1,689.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,546.02	1,733.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,659.99	1,378.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,881.92	1,414.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,526.19	1,450.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,529.25	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,821.14	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,041.28	1,558.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,404.93	1,594.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,415.99	1,644.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,111.56	1,687.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,541.96	1,730.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,240.09	1,775.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,881.92	1,414.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,526.19	1,450.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,529.25	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,821.14	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,041.28	1,558.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,404.93	1,594.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,386.47	1,630.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,105.63	1,684.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,535.89	1,727.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,233.86	1,772.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,934.17	1,818.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0179		13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,265.30	1,450.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,546.43	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,761.19	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,171.48	1,558.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,576.40	1,594.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,620.72	1,630.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,415.68	1,666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,638.58	1,724.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,338.29	1,768.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,046.15	1,814.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,551.02	1,862.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0191		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,546.43	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,761.19	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,171.48	1,558.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,576.40	1,594.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,620.72	1,630.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,415.68	1,666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,594.56	1,702.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,328.29	1,763.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,035.88	1,809.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,540.49	1,856.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,808.72	1,905.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0203		15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,689.77	1,486.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,100.57	1,522.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,505.56	1,558.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,550.17	1,594.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,344.84	1,630.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,523.14	1,666.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,283.50	1,741.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,025.30	1,804.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,529.63	1,851.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,797.58	1,899.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,099.28	1,948.90
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,166.90	1,555.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,575.24	1,593.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,623.20	1,630.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,421.21	1,668.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,602.86	1,706.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,288.26	1,743.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,979.47	1,781.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,518.81	1,845.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,786.47	1,893.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,087.88	1,943.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,403.49	1,993.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,443.57	1,591.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,621.14	1,629.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,044.78	1,668.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,607.90	1,706.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,043.16	1,745.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,173.97	1,783.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,227.28	1,822.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,775.40	1,888.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,076.52	1,937.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,391.83	1,987.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,638.08	2,039.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,993.14	1,627.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,546.41	1,667.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,237.26	1,706.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,922.28	1,746.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,679.00	1,785.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,171.96	1,825.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,734.68	1,864.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,004.88	1,931.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,380.21	1,982.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,562.21	2,033.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,814.69	2,086.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,542.46	1,665.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,235.11	1,705.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,921.95	1,746.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,680.48	1,786.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,175.26	1,826.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,739.79	1,866.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,955.82	1,907.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,368.61	1,976.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,550.31	2,027.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,802.49	2,080.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,057.42	2,134.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,231.07	1,703.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,919.75	1,744.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,680.14	1,786.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,176.77	1,827.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,743.15	1,868.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,961.04	1,909.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,318.42	1,951.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,538.46	2,021.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,790.32	2,074.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,044.94	2,128.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,031.10	2,183.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,506.73	1,827.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,005.26	1,869.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,571.60	1,911.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,795.25	1,953.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,152.60	1,996.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,375.88	2,068.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,630.16	2,122.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,887.25	2,177.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,875.96	2,233.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,466.26	1,869.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,968.68	1,912.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,535.02	1,955.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,758.68	1,998.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,121.85	2,041.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,348.44	2,115.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,605.21	2,170.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,862.90	2,227.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,856.15	2,285.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,429.69	1,912.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,932.14	1,956.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,502.41	2,000.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,728.06	2,044.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,091.26	2,088.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,323.20	2,164.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,580.57	2,220.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,842.78	2,278.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,838.70	2,337.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,393.14	1,956.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,897.63	2,001.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,471.87	2,046.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,699.55	2,091.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,062.86	2,136.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,296.33	2,214.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,558.21	2,271.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,825.03	2,330.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,819.79	2,391.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0315 Rytec® Fast-Seal® Door Options *(08 33 23 13-0117)*

08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	53.82
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	583.04
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,424.63
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,131.24
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	340.86
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	672.74
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	852.14
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,345.48
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	394.67
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	780.38
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	968.75
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,560.76
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	774.92
		For 304 Stainless Steel, Add	*123.99*
		For 316 Stainless Steel, Add	*542.44*
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,007.40
		For 304 Stainless Steel, Add	*161.18*
		For 316 Stainless Steel, Add	*705.18*
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,317.37
		For 304 Stainless Steel, Add	*210.78*
		For 316 Stainless Steel, Add	*922.16*
08 33 23 13-0332	EA	Through Wall Brake Release	200.50
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,240.35
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*

08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13)*

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0335		High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0334)*		
08 33 23 13-0336		8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,540.72	1,270.40
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,841.33	1,306.39
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,368.62	1,342.39
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,895.92	1,378.38
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,425.16	1,414.39
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,952.46	1,450.38
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,251.14	1,486.37
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,785.69	1,525.02
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,775.61	1,564.67
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,085.59	1,605.35
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,852.99	1,647.09
08 33 23 13-0348		9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,841.33	1,306.39
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,140.00	1,342.39
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,669.23	1,378.38
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,425.16	1,414.39
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,723.84	1,450.38
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,251.14	1,486.37
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,780.38	1,522.37
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,320.30	1,564.67
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,540.90	1,605.35
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,765.55	1,647.09
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,990.46	1,689.92
08 33 23 13-0360		10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,507.87	1,342.39
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,808.48	1,378.38
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,335.78	1,414.39
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,091.71	1,450.38
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,619.01	1,486.37
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,148.25	1,522.37
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,675.55	1,558.36
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,451.90	1,604.56
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,445.96	1,646.29
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,899.43	1,689.08
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,128.45	1,733.00
08 33 23 13-0372		11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,579.86	1,378.38
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,107.16	1,414.39
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,636.40	1,450.38
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,392.32	1,486.37
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,919.62	1,522.37
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,446.92	1,558.36
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,660.10	1,594.36
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,126.04	1,644.35
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,579.42	1,687.10
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,035.01	1,730.98
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,264.27	1,775.98
08 33 23 13-0384		12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,880.47	1,414.39
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,407.77	1,450.38
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,935.07	1,486.37
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,691.00	1,522.37
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,446.92	1,558.36
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,886.79	1,594.36
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,326.65	1,630.35
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,802.12	1,684.16
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,484.24	1,727.95
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,941.99	1,772.86
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,402.04	1,818.96
08 33 23 13-0396		13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,407.77	1,450.38
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,708.39	1,486.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,235.69	1,522.37
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,220.24	1,558.36
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,886.79	1,594.36
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,555.27	1,630.35
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,995.13	1,666.34
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,705.14	1,724.07
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,391.27	1,768.89
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,077.82	1,814.88
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,540.06	1,862.07
08 33 23 13-0408		14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,708.39	1,486.37
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,007.06	1,522.37
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,762.99	1,558.36
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,202.85	1,594.36
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,326.65	1,630.35
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,995.13	1,666.34
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,890.30	1,702.34
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,607.96	1,763.90
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,296.18	1,809.76
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,984.84	1,856.81
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,906.51	1,905.08
08 33 23 13-0420		15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,144.64	1,520.56
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,673.59	1,557.38
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,431.16	1,594.19
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,415.44	1,631.03
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,769.51	1,667.86
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,666.33	1,704.67
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,563.17	1,741.50
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,285.60	1,804.46
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,202.61	1,851.38
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,122.07	1,899.52
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,044.02	1,948.89
08 33 23 13-0432		16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,441.26	1,555.54
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,200.53	1,593.20
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,959.82	1,630.87
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,858.33	1,668.53
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,440.78	1,706.21
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,341.23	1,743.88
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,239.78	1,781.55
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,191.79	1,845.96
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,110.96	1,893.95
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,032.62	1,943.21
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,185.49	1,993.73
08 33 23 13-0444		17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,970.06	1,591.30
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,502.44	1,629.85
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,402.70	1,668.38
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,302.95	1,706.92
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,887.14	1,745.45
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,016.02	1,783.99
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,916.28	1,822.52
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,099.89	1,888.43
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,021.26	1,937.52
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,173.82	1,987.90
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,328.99	2,039.58
08 33 23 13-0456		18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,498.57	1,627.91
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,032.74	1,667.33
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,618.69	1,706.75
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,749.35	1,746.17
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,335.32	1,785.59
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,465.95	1,825.02
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,825.23	1,864.44
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,009.94	1,931.85
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,162.19	1,982.08
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,317.06	2,033.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,474.62	2,086.50
08 33 23 13-0468		**19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,484.09	1,665.35
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,248.67	1,705.69
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,065.07	1,746.01
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,197.54	1,786.34
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,013.94	1,826.66
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,146.42	1,866.99
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,505.56	1,907.32
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,695.29	1,976.30
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,076.56	2,027.68
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,233.79	2,080.40
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,622.41	2,134.49
08 33 23 13-0480		**20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,928.56	1,703.65
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,695.01	1,744.92
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,284.64	1,786.17
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,647.59	1,827.42
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,465.83	1,868.68
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,826.85	1,909.93
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,189.79	1,951.19
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,609.40	2,021.75
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,994.94	2,074.31
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,381.31	2,128.24
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,770.47	2,183.58
08 33 23 13-0492		**21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,235.55	1,742.84
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,371.78	1,785.04
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,507.99	1,827.25
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,099.52	1,869.45
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,919.67	1,911.66
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,511.20	1,953.86
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,874.10	1,996.07
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,525.57	2,068.24
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,913.54	2,122.03
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,302.38	2,177.19
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,922.71	2,233.79
08 33 23 13-0504		**22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,771.04	1,782.93
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,680.57	1,826.10
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,959.91	1,869.27
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,553.38	1,912.44
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,602.16	1,955.63
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,195.63	1,998.81
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,562.42	2,041.97
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,217.20	2,115.82
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,834.33	2,170.82
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,454.33	2,227.27
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,077.27	2,285.17
08 33 23 13-0516		**23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,449.55	1,823.93
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,132.44	1,868.10
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,185.14	1,912.26
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,009.22	1,956.43
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,060.00	2,000.60
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,655.45	2,044.77
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,479.52	2,088.95
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,137.71	2,164.48
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,757.39	2,220.74
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,608.61	2,278.50
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	71,234.19	2,337.74
08 33 23 13-0528		**24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,901.32	1,865.88
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,130.94	1,911.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,640.97	1,956.25
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,238.46	2,001.43
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,519.88	2,046.62
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,345.99	2,091.80
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,170.19	2,136.99
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,060.46	2,214.25
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,682.72	2,271.83
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,536.60	2,330.89
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,393.55	2,391.50

08 33 23 13-0540 Rytec® Powerhouse™ Door Options *(08 33 23 13-0334)*

08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,964.37	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,022.49	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,080.62	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,138.74	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,196.87	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,254.99	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,313.11	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,371.24	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,429.36	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,487.49	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,545.61	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,603.74	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,661.86	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,719.99	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,778.11	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,836.24	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.36	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	678.12	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,666.24	

08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)*

Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0560)*

08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,172.65	1,693.87
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,215.18	1,729.86
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,257.70	1,765.86
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,302.03	1,801.85
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,344.57	1,837.85
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,387.10	1,873.84
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,368.92	1,909.83
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,406.88	1,948.04
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,445.80	1,986.99
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,486.27	2,026.73
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,528.34	2,067.27

08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,215.18	1,729.86
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,257.70	1,765.86
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,302.03	1,801.85
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,344.57	1,837.85
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,387.10	1,873.84
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,429.63	1,909.83
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,411.44	1,945.83
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,434.99	1,984.75
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,493.31	2,024.44
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,535.29	2,064.94
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,578.89	2,106.23

08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,257.70	1,765.86
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,302.03	1,801.85
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,344.57	1,837.85
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,387.10	1,873.84
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,429.63	1,909.83
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,472.15	1,945.83
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,453.97	1,981.83
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,495.11	2,021.47
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,536.96	2,061.89
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,580.43	2,103.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,625.55	2,145.19
08 33 23 13-0598		**11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,302.03	1,801.85
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,344.57	1,837.85
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,387.10	1,873.84
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,429.63	1,909.83
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,472.15	1,945.83
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,514.68	1,981.83
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,494.71	2,017.83
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,539.22	2,058.18
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,582.54	2,099.34
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,627.51	2,141.33
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,674.17	2,184.16
08 33 23 13-0610		**12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,344.57	1,837.85
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,387.10	1,873.84
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,429.63	1,909.83
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,472.15	1,945.83
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,514.68	1,981.83
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,557.21	2,017.83
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,539.03	2,053.82
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,583.33	2,094.90
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,628.13	2,136.79
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,674.60	2,179.53
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,724.72	2,223.12
08 33 23 13-0622		**13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,387.10	1,873.84
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,429.63	1,909.83
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,472.15	1,945.83
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,514.68	1,981.83
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,557.21	2,017.83
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,599.75	2,053.82
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,581.56	2,089.81
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,627.44	2,131.61
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,673.71	2,174.23
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,721.69	2,217.73
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,771.37	2,262.08
08 33 23 13-0634		**14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,368.92	1,909.83
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,411.44	1,945.83
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,453.97	1,981.83
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,494.71	2,017.83
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,539.03	2,053.82
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,581.56	2,089.81
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,615.14	2,125.81
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,661.87	2,168.33
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,709.60	2,211.69
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,759.06	2,255.92
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,810.31	2,301.04
08 33 23 13-0646		**15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,406.88	1,948.04
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,452.93	1,984.75
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,495.11	2,021.47
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,539.22	2,058.18
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,583.33	2,094.90
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,627.44	2,131.61
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,661.87	2,168.33
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,709.60	2,211.69
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,759.06	2,255.92
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,810.31	2,301.04
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,863.34	2,347.07
08 33 23 13-0658		**16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,445.80	1,986.99
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,493.31	2,024.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,536.96	2,061.89
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,582.54	2,099.34
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,628.13	2,136.79
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,673.71	2,174.23
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,709.60	2,211.69
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,759.06	2,255.92
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,810.31	2,301.04
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,863.34	2,347.07
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,920.16	2,394.00
08 33 23 13-0670		17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,486.27	2,026.73
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,535.29	2,064.94
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,580.43	2,103.13
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,627.51	2,141.33
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,674.60	2,179.53
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,721.69	2,217.73
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,759.06	2,255.92
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,810.31	2,301.04
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,863.34	2,347.07
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,920.16	2,394.00
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,976.91	2,441.88
08 33 23 13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,743.40	2,067.27
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,792.02	2,106.23
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,840.61	2,145.19
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,887.29	2,184.16
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,937.84	2,223.12
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,984.50	2,262.08
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,025.37	2,301.04
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,078.40	2,347.07
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,133.29	2,394.00
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,190.03	2,441.88
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,248.71	2,490.72
08 33 23 13-0694		19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,106.77	2,108.62
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,158.88	2,148.36
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,207.11	2,188.10
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,257.28	2,227.83
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,307.45	2,267.59
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,357.60	2,307.32
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,398.09	2,347.07
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,452.97	2,394.00
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,509.72	2,441.88
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,568.40	2,490.72
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,630.96	2,540.54
08 33 23 13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,792.87	2,151.22
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,847.37	2,190.74
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,896.57	2,231.67
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,949.12	2,272.61
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,000.26	2,313.54
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,051.41	2,353.06
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,094.28	2,394.00
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,151.26	2,441.99
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,209.66	2,491.39
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,270.88	2,540.81
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,333.50	2,591.62
08 33 23 13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0560)*		
08 33 23 13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,222.04	1,129.25
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,018.12	1,153.24
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,814.21	1,177.24
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,606.70	1,201.23
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,402.78	1,225.23
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,198.86	1,249.23
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,472.24	1,273.22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,018.12	1,153.24
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,814.21	1,177.24
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,606.70	1,201.23
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,402.78	1,225.23
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,198.86	1,249.23
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,994.94	1,273.22
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,268.32	1,297.22
08 33 23 13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,814.21	1,177.24
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,606.70	1,201.23
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,402.78	1,225.23
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,198.86	1,249.23
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,994.94	1,273.22
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,791.03	1,297.22
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,064.40	1,321.21
08 33 23 13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,606.70	1,201.23
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,402.78	1,225.23
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,198.86	1,249.23
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,994.94	1,273.22
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,791.03	1,297.22
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,587.11	1,321.21
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,856.89	1,345.21
08 33 23 13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,402.78	1,225.23
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,198.86	1,249.23
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,994.94	1,273.22
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,791.03	1,297.22
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,587.11	1,321.21
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,383.19	1,345.21
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,652.97	1,369.21
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,198.86	1,249.23
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,994.94	1,273.22
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,791.03	1,297.22
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,587.11	1,321.21
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,383.19	1,345.21
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,179.27	1,369.21
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,449.05	1,393.20
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,472.24	1,273.22
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,268.32	1,297.22
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,064.40	1,321.21
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,856.89	1,345.21
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,652.97	1,369.21
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,449.05	1,393.20
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,245.14	1,417.21
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0560)*		
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,658.45	1,129.25
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,454.53	1,153.24
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,250.62	1,177.24
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,044.90	1,201.23
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,840.98	1,225.23
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,622.56	1,242.87
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,047.69	1,249.23

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,454.53	1,153.24
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,250.62	1,177.24
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,044.90	1,201.23
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,840.98	1,225.23
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,635.26	1,249.23
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,413.00	1,264.05
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,156.40	1,273.22
08 33 23 13-0792		10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,250.62	1,177.24
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,044.90	1,201.23
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,840.98	1,225.23
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,635.26	1,249.23
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,431.35	1,273.22
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,214.73	1,290.87
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,174.94	1,297.22
08 33 23 13-0800		11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,044.90	1,201.23
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,840.98	1,225.23
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,635.26	1,249.23
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,431.35	1,273.22
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,227.44	1,297.22
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,010.81	1,314.86
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,193.47	1,321.21
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,840.98	1,225.23
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,635.26	1,249.23
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,431.35	1,273.22
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,227.44	1,297.22
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,023.52	1,321.21
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,804.07	1,337.45
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,212.00	1,345.21
08 33 23 13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,635.26	1,249.23
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,431.35	1,273.22
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,227.44	1,297.22
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,023.52	1,321.21
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,819.60	1,345.21
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,601.56	1,362.15
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,230.54	1,369.21
08 33 23 13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,095.69	1,273.22
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,114.23	1,297.22
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,132.76	1,321.21
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,149.50	1,345.21
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,169.82	1,369.21
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,175.65	1,386.85
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,188.35	1,393.20
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0560)*		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,049.98	1,129.25
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,060.91	1,153.24
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,069.91	1,177.24
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,611.70	1,201.23
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,155.44	1,225.23
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,699.17	1,249.23
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,242.92	1,273.22

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0841		9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,060.91	1,153.24
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,069.91	1,177.24
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,078.89	1,201.23
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,622.63	1,225.23
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,164.43	1,249.23
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,708.17	1,273.22
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,261.60	1,297.22
08 33 23 13-0849		10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,069.91	1,177.24
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,078.89	1,201.23
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,087.88	1,225.23
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,631.62	1,249.23
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,173.42	1,273.22
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,717.17	1,297.22
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,280.28	1,321.21
08 33 23 13-0857		11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,078.89	1,201.23
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,087.88	1,225.23
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,096.87	1,249.23
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,640.61	1,273.22
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,184.36	1,297.22
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,726.16	1,321.21
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,297.02	1,345.21
08 33 23 13-0865		12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,087.88	1,225.23
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,096.87	1,249.23
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,105.86	1,273.22
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,649.61	1,297.22
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,193.34	1,321.21
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,735.14	1,345.21
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,317.63	1,369.21
08 33 23 13-0873		13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,096.87	1,249.23
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,105.86	1,273.22
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,114.86	1,297.22
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,658.60	1,321.21
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,202.33	1,345.21
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,746.07	1,369.21
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,336.30	1,393.20
08 33 23 13-0881		14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,105.86	1,273.22
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,114.86	1,297.22
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,123.85	1,321.21
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,667.58	1,345.21
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,211.32	1,369.21
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,755.05	1,393.20
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,345.30	1,417.21
08 33 23 13-0889		Rytec® Spiral® Door Options *(08 33 23 13-0560)*		
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	583.04	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	394.67	
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	583.04	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	394.67	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	583.04	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,109.90	70.58
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,188.55	141.15
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,709.09	141.15
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,489.47	141.15
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	678.12	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0900		**Activation And Control Box Options For High Speed Doors** *(08 33 23 13)*		
08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	284.67	70.58
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	214.10	35.29
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	267.92	35.29
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	187.19	35.29
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	285.86	35.29
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	465.25	35.29
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	510.10	35.29
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	794.77	63.52
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	1,077.09	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	686.61	63.52
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	893.44	63.52
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	766.40	42.35
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	535.82	70.58
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	724.19	70.58
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	822.86	70.58
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	1,020.20	70.58

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0847 for forklift.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0001		**Galvanized Steel Overhead Coiling Grilles (Width x Height)** *(08 33 26)*		
08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,421.62	381.34
		For Lexan Lattice Pattern, Add	*199.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*206.38*	
		For Staggered Brick Pattern, Add	*279.37*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,659.46	381.34
		For Lexan Lattice Pattern, Add	*235.62*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*309.58*	
		For Staggered Brick Pattern, Add	*378.35*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,231.79	476.67
		For Lexan Lattice Pattern, Add	*280.28*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*412.76*	
		For Staggered Brick Pattern, Add	*477.33*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,574.79	476.67
		For Lexan Lattice Pattern, Add	*331.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*675.29*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,100.10	762.68
		For Lexan Lattice Pattern, Add	*437.63*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*825.53*	
		For Staggered Brick Pattern, Add	*952.32*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,341.96	953.35
		For Lexan Lattice Pattern, Add	*543.53*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,031.91*	
		For Staggered Brick Pattern, Add	*1,229.33*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,900.19	1,144.02
		For Lexan Lattice Pattern, Add	*695.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,238.29*	
		For Staggered Brick Pattern, Add	*1,382.84*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,632.03	1,398.24
		For Lexan Lattice Pattern, Add	*847.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,434.22*	
		For Staggered Brick Pattern, Add	*1,508.18*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,594.01	381.34
		For Lexan Lattice Pattern, Add	*225.80*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*257.97*	
		For Staggered Brick Pattern, Add	*331.90*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,909.22	381.34
		For Lexan Lattice Pattern, Add	*273.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*386.95*	
		For Staggered Brick Pattern, Add	*471.31*	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,506.29	476.67
		For Lexan Lattice Pattern, Add	*322.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*515.96*	
		For Staggered Brick Pattern, Add	*610.73*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,935.86	476.67
		For Lexan Lattice Pattern, Add	*386.50*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*773.94*	
		For Staggered Brick Pattern, Add	*889.56*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,577.53	762.68
		For Lexan Lattice Pattern, Add	*509.24*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,031.91*	
		For Staggered Brick Pattern, Add	*1,226.58*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,931.65	953.35
		For Lexan Lattice Pattern, Add	*631.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,289.88*	
		For Staggered Brick Pattern, Add	*1,563.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,612.66	1,144.02
		For Lexan Lattice Pattern, Add	*802.00*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,548.06*	
		For Staggered Brick Pattern, Add	*1,810.76*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,732.16	1,398.24
		For Lexan Lattice Pattern, Add	*1,012.49*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,812.55*	
		For Staggered Brick Pattern, Add	*2,028.45*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,791.42	381.34
		For Lexan Lattice Pattern, Add	*255.41*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*309.58*	
		For Staggered Brick Pattern, Add	*383.66*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,848.57	381.34
		For Lexan Lattice Pattern, Add	*263.99*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*464.36*	
		For Staggered Brick Pattern, Add	*562.71*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,491.29	476.67
		For Lexan Lattice Pattern, Add	*319.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*619.13*	
		For Staggered Brick Pattern, Add	*741.76*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,350.27	476.67
		For Lexan Lattice Pattern, Add	*448.05*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*928.68*	
		For Staggered Brick Pattern, Add	*1,099.87*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,252.42	762.68
		For Lexan Lattice Pattern, Add	*610.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,238.28*	
		For Staggered Brick Pattern, Add	*1,529.14*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,871.12	953.35
		For Lexan Lattice Pattern, Add	*772.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,547.86*	
		For Staggered Brick Pattern, Add	*1,958.41*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,525.66	1,144.02
		For Lexan Lattice Pattern, Add	*938.95*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,857.44*	
		For Staggered Brick Pattern, Add	*2,070.75*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,819.10	1,398.24
		For Lexan Lattice Pattern, Add	*1,175.53*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,152.49*	
		For Staggered Brick Pattern, Add	*2,256.10*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,144.51	381.34
		For Lexan Lattice Pattern, Add	*308.38*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*361.03*	
		For Staggered Brick Pattern, Add	*709.62*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,530.01	381.34
		For Lexan Lattice Pattern, Add	*366.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*541.66*	
		For Staggered Brick Pattern, Add	*871.33*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,190.29	476.67
		For Lexan Lattice Pattern, Add	*424.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*722.27*	
		For Staggered Brick Pattern, Add	*1,014.59*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,000.10	476.67
		For Lexan Lattice Pattern, Add	*546.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,083.50*	
		For Staggered Brick Pattern, Add	*1,286.57*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,925.79	762.68
		For Lexan Lattice Pattern, Add	*711.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,444.67*	
		For Staggered Brick Pattern, Add	*1,721.20*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,563.96	953.35
		For Lexan Lattice Pattern, Add	*876.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,805.83*	
		For Staggered Brick Pattern, Add	*2,155.83*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,245.00	1,144.02
		For Lexan Lattice Pattern, Add	*1,046.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,167.00*	
		For Staggered Brick Pattern, Add	*2,444.95*	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	12,991.00	1,398.24
		For Lexan Lattice Pattern, Add	*1,351.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,558.17*	
		For Staggered Brick Pattern, Add	*2,793.47*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	147.08	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,634.50	1,066.30
		For Lexan Lattice Pattern, Add	*238.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*619.15*	
		For Staggered Brick Pattern, Add	*675.29*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,244.71	1,369.73
		For Lexan Lattice Pattern, Add	*349.67*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*949.71*	
		For Staggered Brick Pattern, Add	*1,081.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,996.30	1,727.11
		For Lexan Lattice Pattern, Add	*459.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,238.29*	
		For Staggered Brick Pattern, Add	*1,382.84*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	9,277.12	1,906.70
		For Lexan Lattice Pattern, Add	*574.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,434.22*	
		For Staggered Brick Pattern, Add	*1,508.18*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,456.62	1,215.75
		For Lexan Lattice Pattern, Add	*297.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*773.94*	
		For Staggered Brick Pattern, Add	*889.56*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,379.53	1,561.50
		For Lexan Lattice Pattern, Add	*437.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,139.81*	
		For Staggered Brick Pattern, Add	*1,350.77*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	9,383.12	1,968.26
		For Lexan Lattice Pattern, Add	*563.65*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,548.06*	
		For Staggered Brick Pattern, Add	*1,810.76*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	11,018.58	2,173.64
		For Lexan Lattice Pattern, Add	*717.40*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,812.55*	
		For Staggered Brick Pattern, Add	*2,028.45*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,294.12	1,369.73
		For Lexan Lattice Pattern, Add	*357.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*928.68*	
		For Staggered Brick Pattern, Add	*1,099.87*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,537.40	1,759.25
		For Lexan Lattice Pattern, Add	*523.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,371.22*	
		For Staggered Brick Pattern, Add	*1,677.02*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,897.90	2,218.13
		For Lexan Lattice Pattern, Add	*688.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,857.44*	
		For Staggered Brick Pattern, Add	*2,070.75*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	12,735.85	2,446.94
		For Lexan Lattice Pattern, Add	*861.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,152.49*	
		For Staggered Brick Pattern, Add	*2,256.10*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,107.03	1,514.47
		For Lexan Lattice Pattern, Add	*417.52*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,083.50*	
		For Staggered Brick Pattern, Add	*1,286.57*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	9,682.38	1,944.83
		For Lexan Lattice Pattern, Add	*611.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,567.14*	
		For Staggered Brick Pattern, Add	*1,863.29*	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	12,342.37	2,452.02
		For Lexan Lattice Pattern, Add	*803.72*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,167.00*	
		For Staggered Brick Pattern, Add	*2,444.95*	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	14,428.01	2,707.52
		For Lexan Lattice Pattern, Add	*1,004.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,558.17*	
		For Staggered Brick Pattern, Add	*2,793.47*	

08 34 Special Function Doors *(08 30)*

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,306.09	251.39
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,588.53	262.69
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,682.86	268.33
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,847.51	273.98
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,141.96	288.10
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,178.95	281.46
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,415.25	288.10
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,518.85	294.74
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,755.19	301.37
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,186.64	318.31

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,569.37	281.46
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,700.53	301.37
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,407.26	335.25
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,500.96	335.25

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,032.27	251.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,361.55	262.69
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,565.25	268.33
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,893.88	273.98
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,336.70	288.10
08 34 23 00-0024		**Double Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,334.58	281.46
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,433.99	301.37
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,272.92	335.25
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,913.74	335.25
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,994.44	251.39
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,095.26	262.69
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,331.35	268.33
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,579.47	273.98
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,996.02	288.10
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,854.37	281.46
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,247.64	288.10
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,233.58	294.74
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,602.93	301.37
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,844.01	318.31
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,501.38	281.46
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,674.82	301.37
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,576.35	335.25
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,708.14	335.25
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,384.32	251.39
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,581.00	262.69
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,709.30	268.33
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,364.80	273.98
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,140.82	288.10
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,658.09	281.46
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,322.79	301.37
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,381.03	335.25
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,141.39	335.25
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)*		
		Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,207.87	251.39
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,847.37	262.69
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,092.10	268.33
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,341.42	273.98
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,935.13	288.10
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,259.36	251.39
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,510.44	262.69
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,612.68	268.33
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,675.77	273.98
08 34 23 00-0068	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,087.30	288.10
08 34 23 00-0069	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,890.09	281.46
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,102.92	288.10
08 34 23 00-0071	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,346.91	294.74
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,482.01	301.37
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,812.22	318.31
08 34 23 00-0074		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,048.54	251.39
08 34 23 00-0076	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,244.96	262.69
08 34 23 00-0077	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,370.63	268.33
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,457.14	273.98
08 34 23 00-0079	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,681.27	288.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0080		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,374.21	281.46
08 34 23 00-0082		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,286.80	301.37
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,180.95	335.25
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,243.42	335.25
08 34 23 00-0086		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,142.24	251.39
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,323.04	262.69
08 34 23 00-0089	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,409.67	268.33
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,535.22	273.98
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,782.77	288.10
08 34 23 00-0092		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,419.54	301.37
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,344.93	335.25
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,391.78	335.25
08 34 23 00-0096		**Single Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,371.51	251.39
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,532.12	262.69
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,720.38	268.33
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,824.67	273.98
08 34 23 00-0101	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	2,076.28	273.98
08 34 23 00-0102		**Double Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0103	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,746.53	281.46
08 34 23 00-0104		**Basement Doors** *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,896.07	317.60
08 34 23 00-0106	EA	30" High x 47" Wide x 58" Long, Basement Door	1,571.68	240.67
08 34 23 00-0107	EA	22" High x 51" Wide x 64" Long, Basement Door	1,636.48	264.66
08 34 23 00-0108	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,748.48	282.31
08 34 23 00-0109	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,936.45	317.60
08 34 49		**Radiation Shielding Doors and Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors and Frames** *(08 34 49)*		
08 34 49 13-0001		**Lead Lined Doors And Frames** *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	139.20	14.12
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	170.38	14.12
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	150.48	14.12
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	160.87	14.12
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		**Metal Security Doors** *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	1,230.87	136.19
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	1,230.87	136.19
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,710.14	136.19
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,328.63	268.91
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,491.70	302.53
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,606.86	336.14
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,769.92	369.75
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,502.90	272.28
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,618.34	305.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,774.60	339.50
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,897.24	373.11
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,581.48	275.64
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,696.55	309.25
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,790.19	326.06
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,884.19	342.86
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	2,011.34	376.48
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,732.13	279.00
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,846.79	312.61
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,952.33	329.42
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,082.96	346.23
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	2,269.34	379.84
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,961.43	285.73
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,106.65	322.70
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	2,266.72	342.86
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,360.22	352.95

08 34 56 00-0024 Pivoting Single Folding Gate *(08 34 56)*

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	903.70	188.24
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	965.05	194.97
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,026.44	201.69
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,101.27	215.13
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,152.12	228.58
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	964.85	194.97
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,026.53	201.69
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,087.90	208.41
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,162.65	221.85
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,213.82	235.30
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	1,050.18	201.69
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,111.86	208.41
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,173.13	215.13
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,248.13	228.58
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,323.25	242.02

08 34 56 00-0040 Window Gates, Expands From 2' To 4' *(08 34 56)*

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	366.66	73.95
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	380.10	80.68
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	380.10	80.68
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	394.50	87.40
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	394.50	87.40
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	407.94	94.12
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	407.95	94.12
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	421.39	100.84
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	421.39	100.84
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	434.83	107.57
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	434.83	107.57

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' *(08 34 56)*

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	448.28	114.29
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	451.20	114.29
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	468.52	121.01
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	485.86	127.73
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	489.74	127.73
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	507.06	134.45
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	510.94	134.45
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	527.07	141.18
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	532.15	141.18

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001 Steel Acoustical Door Assembly *(08 34 73 13)*

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors *(08 34 73 13-0001)*

Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2086 for exit devices (panic bar).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,502.19	254.08
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*532.94*	
		For 45 Minutes Fire Rated, Add	*224.40*	
		For 60 Minutes Fire Rated, Add	*336.60*	
		For 90 Minutes Fire Rated, Add	*560.99*	
		For 120 Minutes Fire Rated, Add	*785.39*	
		For 45 STC Rating, Deduct	*-938.73*	
		For 48 STC Rating, Deduct	*-673.19*	
		For 52 STC Rating, Add	*523.59*	
		For 56 STC Rating, Add	*1,421.18*	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,759.86	264.66
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*565.14*	
		For 45 Minutes Fire Rated, Add	*237.95*	
		For 60 Minutes Fire Rated, Add	*356.93*	
		For 90 Minutes Fire Rated, Add	*594.88*	
		For 120 Minutes Fire Rated, Add	*832.83*	
		For 45 STC Rating, Deduct	*-995.43*	
		For 48 STC Rating, Deduct	*-713.85*	
		For 52 STC Rating, Add	*555.22*	
		For 56 STC Rating, Add	*1,507.03*	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	5,049.29	285.85
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*597.33*	
		For 45 Minutes Fire Rated, Add	*251.51*	
		For 60 Minutes Fire Rated, Add	*377.26*	
		For 90 Minutes Fire Rated, Add	*628.76*	
		For 120 Minutes Fire Rated, Add	*880.27*	
		For 45 STC Rating, Deduct	*-1,052.13*	
		For 48 STC Rating, Deduct	*-754.52*	
		For 52 STC Rating, Add	*586.85*	
		For 56 STC Rating, Add	*1,592.87*	
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors, Unrated	8,928.17	482.75
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,065.89*	
		For 45 Minutes Fire Rated, Add	*448.79*	
		For 60 Minutes Fire Rated, Add	*673.19*	
		For 90 Minutes Fire Rated, Add	*1,121.99*	
		For 120 Minutes Fire Rated, Add	*1,570.78*	
		For 45 STC Rating, Deduct	*-1,877.46*	
		For 48 STC Rating, Deduct	*-1,346.38*	
		For 52 STC Rating, Add	*1,047.19*	
		For 56 STC Rating, Add	*2,842.37*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	9,392.68	486.99
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,130.27*	
		For 45 Minutes Fire Rated, Add	*475.90*	
		For 60 Minutes Fire Rated, Add	*713.85*	
		For 90 Minutes Fire Rated, Add	*1,189.76*	
		For 120 Minutes Fire Rated, Add	*1,665.66*	
		For 45 STC Rating, Deduct	*-1,990.86*	
		For 48 STC Rating, Deduct	*-1,427.71*	
		For 52 STC Rating, Add	*1,110.44*	
		For 56 STC Rating, Add	*3,014.05*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,045.20	159.50
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*604.89*	
		For 45 Minutes Fire Rated, Add	*254.69*	
		For 60 Minutes Fire Rated, Add	*382.04*	
		For 90 Minutes Fire Rated, Add	*636.73*	
		For 120 Minutes Fire Rated, Add	*891.42*	
		For 45 STC Rating, Deduct	*-1,065.46*	
		For 48 STC Rating, Deduct	*-764.07*	
		For 52 STC Rating, Add	*594.28*	
		For 56 STC Rating, Add	*1,613.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,334.06	278.07
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*641.43*	
		For 45 Minutes Fire Rated, Add	*270.08*	
		For 60 Minutes Fire Rated, Add	*405.11*	
		For 90 Minutes Fire Rated, Add	*675.19*	
		For 120 Minutes Fire Rated, Add	*945.26*	
		For 45 STC Rating, Deduct	*-1,129.81*	
		For 48 STC Rating, Deduct	*-810.23*	
		For 52 STC Rating, Add	*630.18*	
		For 56 STC Rating, Add	*1,710.48*	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,658.23	300.67
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*677.97*	
		For 45 Minutes Fire Rated, Add	*285.46*	
		For 60 Minutes Fire Rated, Add	*428.19*	
		For 90 Minutes Fire Rated, Add	*713.65*	
		For 120 Minutes Fire Rated, Add	*999.11*	
		For 45 STC Rating, Deduct	*-1,194.17*	
		For 48 STC Rating, Deduct	*-856.38*	
		For 52 STC Rating, Add	*666.07*	
		For 56 STC Rating, Add	*1,807.91*	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors, Unrated	9,505.05	506.75
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,137.83*	
		For 45 Minutes Fire Rated, Add	*479.09*	
		For 60 Minutes Fire Rated, Add	*718.63*	
		For 90 Minutes Fire Rated, Add	*1,197.72*	
		For 120 Minutes Fire Rated, Add	*1,676.81*	
		For 45 STC Rating, Deduct	*-2,004.18*	
		For 48 STC Rating, Deduct	*-1,437.26*	
		For 52 STC Rating, Add	*1,117.87*	
		For 56 STC Rating, Add	*3,034.22*	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	10,001.47	510.98
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,206.56*	
		For 45 Minutes Fire Rated, Add	*508.03*	
		For 60 Minutes Fire Rated, Add	*762.04*	
		For 90 Minutes Fire Rated, Add	*1,270.07*	
		For 120 Minutes Fire Rated, Add	*1,778.09*	
		For 45 STC Rating, Deduct	*-2,125.24*	
		For 48 STC Rating, Deduct	*-1,524.08*	
		For 52 STC Rating, Add	*1,185.39*	
		For 56 STC Rating, Add	*3,217.50*	

08 34 73 13-0013 Steel Acoustical Door Frames *(08 34 73 13-0001)*

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,202.47	141.15
		For 8' Height, Add	*303.35*	
		For 45 Minutes Fire Rated, Add	*184.65*	
		For 60 Minutes Fire Rated, Add	*316.54*	
		For 90 Minutes Fire Rated, Add	*448.43*	
		For 120 Minutes Fire Rated, Add	*633.08*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,277.20	141.15
		For 8' Height, Add	*311.95*	
		For 45 Minutes Fire Rated, Add	*189.88*	
		For 60 Minutes Fire Rated, Add	*325.51*	
		For 90 Minutes Fire Rated, Add	*461.14*	
		For 120 Minutes Fire Rated, Add	*651.02*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,351.92	141.15
		For 8' Height, Add	*320.54*	
		For 45 Minutes Fire Rated, Add	*195.11*	
		For 60 Minutes Fire Rated, Add	*334.48*	
		For 90 Minutes Fire Rated, Add	*473.84*	
		For 120 Minutes Fire Rated, Add	*668.95*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,426.64	141.15
		For 8' Height, Add	*329.13*	
		For 45 Minutes Fire Rated, Add	*200.34*	
		For 60 Minutes Fire Rated, Add	*343.44*	
		For 90 Minutes Fire Rated, Add	*486.54*	
		For 120 Minutes Fire Rated, Add	*686.88*	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,648.18	155.27
		For 8' Height, Add	*348.12*	
		For 45 Minutes Fire Rated, Add	*211.90*	
		For 60 Minutes Fire Rated, Add	*363.25*	
		For 90 Minutes Fire Rated, Add	*514.61*	
		For 120 Minutes Fire Rated, Add	*726.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,731.59	155.27
		For 8' Height, Add	*357.71*	
		For 45 Minutes Fire Rated, Add	*217.74*	
		For 60 Minutes Fire Rated, Add	*373.26*	
		For 90 Minutes Fire Rated, Add	*528.79*	
		For 120 Minutes Fire Rated, Add	*746.52*	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,806.32	155.27
		For 8' Height, Add	*366.30*	
		For 45 Minutes Fire Rated, Add	*222.97*	
		For 60 Minutes Fire Rated, Add	*382.23*	
		For 90 Minutes Fire Rated, Add	*541.49*	
		For 120 Minutes Fire Rated, Add	*764.46*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,898.99	155.27
		For 8' Height, Add	*376.96*	
		For 45 Minutes Fire Rated, Add	*229.45*	
		For 60 Minutes Fire Rated, Add	*393.35*	
		For 90 Minutes Fire Rated, Add	*557.24*	
		For 120 Minutes Fire Rated, Add	*786.70*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,084.78	162.33
		For 8' Height, Add	*395.08*	
		For 45 Minutes Fire Rated, Add	*240.48*	
		For 60 Minutes Fire Rated, Add	*412.26*	
		For 90 Minutes Fire Rated, Add	*584.03*	
		For 120 Minutes Fire Rated, Add	*824.51*	
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,159.50	162.33
		For 8' Height, Add	*403.67*	
		For 45 Minutes Fire Rated, Add	*245.71*	
		For 60 Minutes Fire Rated, Add	*421.22*	
		For 90 Minutes Fire Rated, Add	*596.73*	
		For 120 Minutes Fire Rated, Add	*842.45*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,234.22	162.33
		For 8' Height, Add	*412.26*	
		For 45 Minutes Fire Rated, Add	*250.94*	
		For 60 Minutes Fire Rated, Add	*430.19*	
		For 90 Minutes Fire Rated, Add	*609.43*	
		For 120 Minutes Fire Rated, Add	*860.38*	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,317.63	162.33
		For 8' Height, Add	*421.86*	
		For 45 Minutes Fire Rated, Add	*256.78*	
		For 60 Minutes Fire Rated, Add	*440.20*	
		For 90 Minutes Fire Rated, Add	*623.61*	
		For 120 Minutes Fire Rated, Add	*880.40*	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,986.32	183.50
		For 8' Height, Add	*719.02*	
		For 45 Minutes Fire Rated, Add	*437.66*	
		For 60 Minutes Fire Rated, Add	*750.28*	
		For 90 Minutes Fire Rated, Add	*1,062.89*	
		For 120 Minutes Fire Rated, Add	*1,500.55*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,057.56	183.50
		For 8' Height, Add	*727.21*	
		For 45 Minutes Fire Rated, Add	*442.65*	
		For 60 Minutes Fire Rated, Add	*758.83*	
		For 90 Minutes Fire Rated, Add	*1,075.00*	
		For 120 Minutes Fire Rated, Add	*1,517.65*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,134.02	183.50
		For 8' Height, Add	*736.00*	
		For 45 Minutes Fire Rated, Add	*448.00*	
		For 60 Minutes Fire Rated, Add	*768.00*	
		For 90 Minutes Fire Rated, Add	*1,088.00*	
		For 120 Minutes Fire Rated, Add	*1,536.00*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,212.22	183.50
		For 8' Height, Add	*744.99*	
		For 45 Minutes Fire Rated, Add	*453.47*	
		For 60 Minutes Fire Rated, Add	*777.39*	
		For 90 Minutes Fire Rated, Add	*1,101.30*	
		For 120 Minutes Fire Rated, Add	*1,554.77*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,483.47	190.56
		For 8' Height, Add	*772.94*	
		For 45 Minutes Fire Rated, Add	*470.49*	
		For 60 Minutes Fire Rated, Add	*806.55*	
		For 90 Minutes Fire Rated, Add	*1,142.61*	
		For 120 Minutes Fire Rated, Add	*1,613.10*	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,560.06	190.56
		For 8' Height, Add	*781.75*	
		For 45 Minutes Fire Rated, Add	*475.85*	
		For 60 Minutes Fire Rated, Add	*815.74*	
		For 90 Minutes Fire Rated, Add	*1,155.63*	
		For 120 Minutes Fire Rated, Add	*1,631.48*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,642.25	190.56
		For 8' Height, Add	*791.20*	
		For 45 Minutes Fire Rated, Add	*481.60*	
		For 60 Minutes Fire Rated, Add	*825.60*	
		For 90 Minutes Fire Rated, Add	*1,169.60*	
		For 120 Minutes Fire Rated, Add	*1,651.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,726.32	190.56
		For 8' Height, Add	*800.87*	
		For 45 Minutes Fire Rated, Add	*487.49*	
		For 60 Minutes Fire Rated, Add	*835.69*	
		For 90 Minutes Fire Rated, Add	*1,183.89*	
		For 120 Minutes Fire Rated, Add	*1,671.38*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,495.57	141.15
		For 8' Height, Add	*337.06*	
		For 45 Minutes Fire Rated, Add	*205.17*	
		For 60 Minutes Fire Rated, Add	*351.71*	
		For 90 Minutes Fire Rated, Add	*498.26*	
		For 120 Minutes Fire Rated, Add	*703.43*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,578.59	141.15
		For 8' Height, Add	*346.61*	
		For 45 Minutes Fire Rated, Add	*210.98*	
		For 60 Minutes Fire Rated, Add	*361.68*	
		For 90 Minutes Fire Rated, Add	*512.37*	
		For 120 Minutes Fire Rated, Add	*723.35*	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,661.62	141.15
		For 8' Height, Add	*356.16*	
		For 45 Minutes Fire Rated, Add	*216.79*	
		For 60 Minutes Fire Rated, Add	*371.64*	
		For 90 Minutes Fire Rated, Add	*526.49*	
		For 120 Minutes Fire Rated, Add	*743.28*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,744.64	141.15
		For 8' Height, Add	*365.70*	
		For 45 Minutes Fire Rated, Add	*222.60*	
		For 60 Minutes Fire Rated, Add	*381.60*	
		For 90 Minutes Fire Rated, Add	*540.60*	
		For 120 Minutes Fire Rated, Add	*763.20*	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,984.53	155.27
		For 8' Height, Add	*386.80*	
		For 45 Minutes Fire Rated, Add	*235.44*	
		For 60 Minutes Fire Rated, Add	*403.61*	
		For 90 Minutes Fire Rated, Add	*571.79*	
		For 120 Minutes Fire Rated, Add	*807.23*	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,077.21	155.27
		For 8' Height, Add	*397.45*	
		For 45 Minutes Fire Rated, Add	*241.93*	
		For 60 Minutes Fire Rated, Add	*414.74*	
		For 90 Minutes Fire Rated, Add	*587.54*	
		For 120 Minutes Fire Rated, Add	*829.47*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,160.23	155.27
		For 8' Height, Add	*407.00*	
		For 45 Minutes Fire Rated, Add	*247.74*	
		For 60 Minutes Fire Rated, Add	*424.70*	
		For 90 Minutes Fire Rated, Add	*601.66*	
		For 120 Minutes Fire Rated, Add	*849.40*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,263.21	155.27
		For 8' Height, Add	*418.84*	
		For 45 Minutes Fire Rated, Add	*254.95*	
		For 60 Minutes Fire Rated, Add	*437.06*	
		For 90 Minutes Fire Rated, Add	*619.16*	
		For 120 Minutes Fire Rated, Add	*874.11*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,466.50	162.33
		For 8' Height, Add	*438.98*	
		For 45 Minutes Fire Rated, Add	*267.20*	
		For 60 Minutes Fire Rated, Add	*458.06*	
		For 90 Minutes Fire Rated, Add	*648.92*	
		For 120 Minutes Fire Rated, Add	*916.13*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,549.52	162.33
		For 8' Height, Add	*448.52*	
		For 45 Minutes Fire Rated, Add	*273.01*	
		For 60 Minutes Fire Rated, Add	*468.03*	
		For 90 Minutes Fire Rated, Add	*663.04*	
		For 120 Minutes Fire Rated, Add	*936.05*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,632.54	162.33
		For 8' Height, Add	*458.07*	
		For 45 Minutes Fire Rated, Add	*278.83*	
		For 60 Minutes Fire Rated, Add	*477.99*	
		For 90 Minutes Fire Rated, Add	*677.15*	
		For 120 Minutes Fire Rated, Add	*955.98*	
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,725.22	162.33
		For 8' Height, Add	*468.73*	
		For 45 Minutes Fire Rated, Add	*285.31*	
		For 60 Minutes Fire Rated, Add	*489.11*	
		For 90 Minutes Fire Rated, Add	*692.90*	
		For 120 Minutes Fire Rated, Add	*978.22*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,681.02	183.50
		For 8' Height, Add	*798.91*	
		For 45 Minutes Fire Rated, Add	*486.29*	
		For 60 Minutes Fire Rated, Add	*833.64*	
		For 90 Minutes Fire Rated, Add	*1,180.99*	
		For 120 Minutes Fire Rated, Add	*1,667.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,760.18	183.50
		For 8' Height, Add	*808.01*	
		For 45 Minutes Fire Rated, Add	*491.83*	
		For 60 Minutes Fire Rated, Add	*843.14*	
		For 90 Minutes Fire Rated, Add	*1,194.45*	
		For 120 Minutes Fire Rated, Add	*1,686.28*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,845.14	183.50
		For 8' Height, Add	*817.78*	
		For 45 Minutes Fire Rated, Add	*497.78*	
		For 60 Minutes Fire Rated, Add	*853.34*	
		For 90 Minutes Fire Rated, Add	*1,208.89*	
		For 120 Minutes Fire Rated, Add	*1,706.67*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,932.02	183.50
		For 8' Height, Add	*827.77*	
		For 45 Minutes Fire Rated, Add	*503.86*	
		For 60 Minutes Fire Rated, Add	*863.76*	
		For 90 Minutes Fire Rated, Add	*1,223.66*	
		For 120 Minutes Fire Rated, Add	*1,727.52*	
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,230.27	190.56
		For 8' Height, Add	*858.82*	
		For 45 Minutes Fire Rated, Add	*522.76*	
		For 60 Minutes Fire Rated, Add	*896.16*	
		For 90 Minutes Fire Rated, Add	*1,269.57*	
		For 120 Minutes Fire Rated, Add	*1,792.33*	
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,315.37	190.56
		For 8' Height, Add	*868.61*	
		For 45 Minutes Fire Rated, Add	*528.72*	
		For 60 Minutes Fire Rated, Add	*906.38*	
		For 90 Minutes Fire Rated, Add	*1,284.03*	
		For 120 Minutes Fire Rated, Add	*1,812.75*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,406.70	190.56
		For 8' Height, Add	*879.11*	
		For 45 Minutes Fire Rated, Add	*535.11*	
		For 60 Minutes Fire Rated, Add	*917.34*	
		For 90 Minutes Fire Rated, Add	*1,299.56*	
		For 120 Minutes Fire Rated, Add	*1,834.67*	
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,500.10	190.56
		For 8' Height, Add	*889.85*	
		For 45 Minutes Fire Rated, Add	*541.65*	
		For 60 Minutes Fire Rated, Add	*928.54*	
		For 90 Minutes Fire Rated, Add	*1,315.44*	
		For 120 Minutes Fire Rated, Add	*1,857.09*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,731.87	395.24
		For 8' Height, Add	*159.19*	
		For 2-1/4" Thick, Add	*151.43*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,932.71	395.24
		For 8' Height, Add	*175.66*	
		For 2-1/4" Thick, Add	*167.09*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,044.29	395.24
		For 8' Height, Add	*184.81*	
		For 2-1/4" Thick, Add	*175.80*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,155.86	395.24
		For 8' Height, Add	*193.96*	
		For 2-1/4" Thick, Add	*184.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	3,646.79	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*234.22*	
		For 2-1/4" Thick, Add	*222.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	4,717.91	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*322.05*	
		For 2-1/4" Thick, Add	*306.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	4,925.44	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*339.07*	
		For 2-1/4" Thick, Add	*322.53*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	5,454.24	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*382.43*	
		For 2-1/4" Thick, Add	*363.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	5,755.56	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*407.14*	
		For 2-1/4" Thick, Add	*387.28*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0011	EA	3' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	6,065.18	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*432.53*	
		For 2-1/4" Thick, Add	*411.43*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0012	EA	3' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	6,374.80	395.24
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*457.92*	
		For 2-1/4" Thick, Add	*435.58*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0013	EA	3' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	7,411.76	395.24
		For 8' Height, Add	*542.95*	
		For 2-1/4" Thick, Add	*516.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0014	EA	3' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	7,867.61	395.24
		For 8' Height, Add	*580.33*	
		For 2-1/4" Thick, Add	*552.02*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0015	EA	3' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	8,206.30	395.24
		For 8' Height, Add	*608.10*	
		For 2-1/4" Thick, Add	*578.43*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0016	EA	3'-6" x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	2,905.71	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*171.13*	
		For 2-1/4" Thick, Add	*162.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0017	EA	3'-6" x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,121.61	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*188.84*	
		For 2-1/4" Thick, Add	*179.63*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0018	EA	3'-6" x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,241.55	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*198.67*	
		For 2-1/4" Thick, Add	*188.98*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0019	EA	3'-6" x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,361.49	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*208.51*	
		For 2-1/4" Thick, Add	*198.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0020	EA	3'-6" x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	3,889.24	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*251.78*	
		For 2-1/4" Thick, Add	*239.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0021	EA	3'-6" x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	5,040.70	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*346.20*	
		For 2-1/4" Thick, Add	*329.32*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0022	EA	3'-6" x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	5,263.79	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*364.50*	
		For 2-1/4" Thick, Add	*346.72*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0023	EA	3'-6" x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	5,832.26	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*411.11*	
		For 2-1/4" Thick, Add	*391.06*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0024	EA	3'-6" x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	6,156.17	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*437.67*	
		For 2-1/4" Thick, Add	*416.32*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0025	EA	3'-6" x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	6,489.01	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*464.97*	
		For 2-1/4" Thick, Add	*442.28*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0026	EA	3'-6" x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	6,821.85	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*492.26*	
		For 2-1/4" Thick, Add	*468.25*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0027	EA	3'-6" x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	7,936.58	409.35
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*583.67*	
		For 2-1/4" Thick, Add	*555.19*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0028	EA	3'-6" x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	8,426.63	409.35
		For 8' Height, Add	*623.85*	
		For 2-1/4" Thick, Add	*593.42*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0029	EA	3'-6" x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	8,790.72	409.35
		For 8' Height, Add	*653.71*	
		For 2-1/4" Thick, Add	*621.82*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0030	EA	4' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	3,273.70	423.47
		For 8' Height, Add	*198.99*	
		For 2-1/4" Thick, Add	*189.29*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0031	EA	4' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,524.74	423.47
		For 8' Height, Add	*219.58*	
		For 2-1/4" Thick, Add	*208.87*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0032	EA	4' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,664.21	423.47
		For 8' Height, Add	*231.02*	
		For 2-1/4" Thick, Add	*219.75*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0033	EA	4' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,803.68	423.47
		For 8' Height, Add	*242.45*	
		For 2-1/4" Thick, Add	*230.63*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0034	EA	4' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	4,417.34	423.47
		For 8' Height, Add	*292.77*	
		For 2-1/4" Thick, Add	*278.49*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0035	EA	4' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	5,756.24	423.47
		For 8' Height, Add	*402.56*	
		For 2-1/4" Thick, Add	*382.93*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0036	EA	4' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	6,015.65	423.47
		For 8' Height, Add	*423.83*	
		For 2-1/4" Thick, Add	*403.16*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0037	EA	4' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,676.66	423.47
		For 8' Height, Add	*478.04*	
		For 2-1/4" Thick, Add	*454.72*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0038	EA	4' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	7,053.30	423.47
		For 8' Height, Add	*508.92*	
		For 2-1/4" Thick, Add	*484.10*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0039	EA	4' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	7,440.32	423.47
		For 8' Height, Add	*540.66*	
		For 2-1/4" Thick, Add	*514.28*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0040	EA	4' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	7,827.35	423.47
		For 8' Height, Add	*572.39*	
		For 2-1/4" Thick, Add	*544.47*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0041	EA	4' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	9,123.55	423.47
		For 8' Height, Add	*678.68*	
		For 2-1/4" Thick, Add	*645.58*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0042	EA	4' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	9,693.37	423.47
		For 8' Height, Add	*725.41*	
		For 2-1/4" Thick, Add	*690.02*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0043	EA	4' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	10,116.73	423.47
		For 8' Height, Add	*760.12*	
		For 2-1/4" Thick, Add	*723.04*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0847 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,120.77	564.62
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,834.65	626.73
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,862.32	750.95
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,874.81	869.52
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,510.64	1,129.25
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,360.77	1,411.56
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	13,009.05	1,881.60

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,605.36	282.31
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*515.02*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,456.07	282.31
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*556.98*	
		For Each Glass Vision Panel In Door, Add	*50.00*	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) *(08 36 13)*

Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,130.63	494.05
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*165.67*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*285.64*	
		For Aluminum, Mill Finish, Add	*130.25*	
		For Aluminum, Anodized Finish, Add	*364.47*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,508.56	564.62
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*200.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.83*	
		For Aluminum, Mill Finish, Add	*157.24*	
		For Aluminum, Anodized Finish, Add	*440.00*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,097.96	705.78
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*244.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*421.60*	
		For Aluminum, Mill Finish, Add	*192.25*	
		For Aluminum, Anodized Finish, Add	*537.96*	
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,403.11	564.62
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*184.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*318.47*	
		For Aluminum, Mill Finish, Add	*145.22*	
		For Aluminum, Anodized Finish, Add	*406.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,962.91	705.78
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*224.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*387.84*	
		For Aluminum, Mill Finish, Add	*176.85*	
		For Aluminum, Anodized Finish, Add	*494.88*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,732.31	917.52
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*275.11*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*474.32*	
		For Aluminum, Mill Finish, Add	*216.29*	
		For Aluminum, Anodized Finish, Add	*605.24*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,418.49	1,129.25
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*313.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*540.00*	
		For Aluminum, Mill Finish, Add	*246.24*	
		For Aluminum, Anodized Finish, Add	*689.04*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,874.14	705.78
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*212.07*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*365.65*	
		For Aluminum, Mill Finish, Add	*166.73*	
		For Aluminum, Anodized Finish, Add	*466.56*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,599.13	917.52
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*255.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*441.03*	
		For Aluminum, Mill Finish, Add	*201.11*	
		For Aluminum, Anodized Finish, Add	*562.75*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,394.42	1,129.25
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*309.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*533.98*	
		For Aluminum, Mill Finish, Add	*243.50*	
		For Aluminum, Anodized Finish, Add	*681.36*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,186.04	1,340.98
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*363.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*626.02*	
		For Aluminum, Mill Finish, Add	*285.47*	
		For Aluminum, Anodized Finish, Add	*798.80*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,192.79	1,623.29
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*427.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*736.56*	
		For Aluminum, Mill Finish, Add	*335.87*	
		For Aluminum, Anodized Finish, Add	*939.84*	
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,423.39	917.52
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*230.31*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*397.09*	
		For Aluminum, Mill Finish, Add	*181.07*	
		For Aluminum, Anodized Finish, Add	*506.69*	
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,211.29	1,129.25
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*283.16*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*488.20*	
		For Aluminum, Mill Finish, Add	*222.62*	
		For Aluminum, Anodized Finish, Add	*622.94*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,199.54	1,411.56
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*594.11*	
		For Aluminum, Mill Finish, Add	*270.91*	
		For Aluminum, Anodized Finish, Add	*758.08*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,994.85	1,623.29
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*398.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*687.07*	
		For Aluminum, Mill Finish, Add	*313.30*	
		For Aluminum, Anodized Finish, Add	*876.70*	
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,888.19	1,835.02
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*466.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*804.54*	
		For Aluminum, Mill Finish, Add	*366.87*	
		For Aluminum, Anodized Finish, Add	*1,026.59*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,146.53	1,129.25
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*273.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*472.01*	
		For Aluminum, Mill Finish, Add	*215.24*	
		For Aluminum, Anodized Finish, Add	*602.28*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,131.08	1,411.56
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*334.66*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*576.99*	
		For Aluminum, Mill Finish, Add	*263.11*	
		For Aluminum, Anodized Finish, Add	*736.24*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,029.97	1,623.29
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*403.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*695.85*	
		For Aluminum, Mill Finish, Add	*317.31*	
		For Aluminum, Anodized Finish, Add	*887.90*	
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,165.68	1,835.02
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*506.87*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*873.91*	
		For Aluminum, Mill Finish, Add	*398.50*	
		For Aluminum, Anodized Finish, Add	*1,115.11*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,342.65	2,117.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*595.65*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,026.99*	
		For Aluminum, Mill Finish, Add	*468.31*	
		For Aluminum, Anodized Finish, Add	*1,310.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,273.55	1,411.56
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*355.31*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*612.61*	
		For Aluminum, Mill Finish, Add	*279.35*	
		For Aluminum, Anodized Finish, Add	*781.69*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,285.29	1,623.29
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*440.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*759.68*	
		For Aluminum, Mill Finish, Add	*346.41*	
		For Aluminum, Anodized Finish, Add	*969.35*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,572.66	1,835.02
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*565.88*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*975.66*	
		For Aluminum, Mill Finish, Add	*444.90*	
		For Aluminum, Anodized Finish, Add	*1,244.94*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,751.49	2,117.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*654.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,129.20*	
		For Aluminum, Mill Finish, Add	*514.92*	
		For Aluminum, Anodized Finish, Add	*1,440.86*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,045.01	2,399.65
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*760.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,311.42*	
		For Aluminum, Mill Finish, Add	*598.01*	
		For Aluminum, Anodized Finish, Add	*1,673.38*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,994.85	1,623.29
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*398.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*687.07*	
		For Aluminum, Mill Finish, Add	*313.30*	
		For Aluminum, Anodized Finish, Add	*876.70*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,006.59	1,835.02
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*483.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*834.14*	
		For Aluminum, Mill Finish, Add	*380.37*	
		For Aluminum, Anodized Finish, Add	*1,064.36*	
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,609.05	2,117.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*634.28*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,093.59*	
		For Aluminum, Mill Finish, Add	*498.68*	
		For Aluminum, Anodized Finish, Add	*1,395.42*	
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,787.86	2,399.65
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*723.34*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,247.14*	
		For Aluminum, Mill Finish, Add	*568.69*	
		For Aluminum, Anodized Finish, Add	*1,591.34*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,013.73	2,681.96
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*964.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,662.45*	
		For Aluminum, Mill Finish, Add	*758.07*	
		For Aluminum, Anodized Finish, Add	*2,121.28*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,680.99	1,835.02
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*436.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*752.74*	
		For Aluminum, Mill Finish, Add	*343.25*	
		For Aluminum, Anodized Finish, Add	*960.49*	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,211.33	2,117.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*576.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*994.16*	
		For Aluminum, Mill Finish, Add	*453.34*	
		For Aluminum, Anodized Finish, Add	*1,268.55*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,704.62	2,399.65
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*711.27*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,226.33*	
		For Aluminum, Mill Finish, Add	*559.20*	
		For Aluminum, Anodized Finish, Add	*1,564.79*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,416.20	2,681.96
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*877.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,513.06*	
		For Aluminum, Mill Finish, Add	*689.96*	
		For Aluminum, Anodized Finish, Add	*1,930.67*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,859.50	2,964.27
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,004.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,732.74*	
		For Aluminum, Mill Finish, Add	*790.13*	
		For Aluminum, Anodized Finish, Add	*2,210.98*	
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,425.10	2,117.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*462.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*797.60*	
		For Aluminum, Mill Finish, Add	*363.71*	
		For Aluminum, Anodized Finish, Add	*1,017.74*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,012.73	2,399.65
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*610.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,053.35*	
		For Aluminum, Mill Finish, Add	*480.33*	
		For Aluminum, Anodized Finish, Add	*1,344.08*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,920.42	2,681.96
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*805.69*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,389.12*	
		For Aluminum, Mill Finish, Add	*633.44*	
		For Aluminum, Anodized Finish, Add	*1,772.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,200.93	2,964.27
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*909.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,568.10*	
		For Aluminum, Mill Finish, Add	*715.05*	
		For Aluminum, Anodized Finish, Add	*2,000.90*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,677.57	3,246.58
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,041.74*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,796.11*	
		For Aluminum, Mill Finish, Add	*819.02*	
		For Aluminum, Anodized Finish, Add	*2,291.83*	
08 36 13 00-0058		**Insulated, 24 Gauge Galvanized Steel Sectional Doors** *(08 36 13 00-0014)*		
		Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,675.03	494.05
		For Aluminum, Mill Finish, Add	*192.31*	
		For Aluminum, Anodized Finish, Add	*538.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*210.87*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*421.74*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,096.51*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,108.68*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,184.28	564.62
		For Aluminum, Mill Finish, Add	*234.27*	
		For Aluminum, Anodized Finish, Add	*655.55*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*256.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*513.76*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,335.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,568.79*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,913.15	705.78
		For Aluminum, Mill Finish, Add	*285.18*	
		For Aluminum, Anodized Finish, Add	*798.01*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*312.70*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*625.40*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,626.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,126.99*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,109.24	564.62
		For Aluminum, Mill Finish, Add	*225.72*	
		For Aluminum, Anodized Finish, Add	*631.62*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*247.50*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*495.00*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,286.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,474.99*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,820.71	705.78
		For Aluminum, Mill Finish, Add	*274.64*	
		For Aluminum, Anodized Finish, Add	*768.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*301.14*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*602.29*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,565.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,011.44*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,859.94	917.52
		For Aluminum, Mill Finish, Add	*344.84*	
		For Aluminum, Anodized Finish, Add	*964.95*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*378.12*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*756.23*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,966.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,781.15*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,649.76	1,129.25
		For Aluminum, Mill Finish, Add	*386.60*	
		For Aluminum, Anodized Finish, Add	*1,081.82*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*423.91*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*847.82*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,204.33*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,239.09*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,679.41	705.78
		For Aluminum, Mill Finish, Add	*258.53*	
		For Aluminum, Anodized Finish, Add	*723.44*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*283.48*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*566.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,474.10*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,834.81*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,593.06	917.52
		For Aluminum, Mill Finish, Add	*314.42*	
		For Aluminum, Anodized Finish, Add	*879.81*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*689.51*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,792.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,447.55*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,602.67	1,129.25
		For Aluminum, Mill Finish, Add	*381.24*	
		For Aluminum, Anodized Finish, Add	*1,066.79*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*418.02*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*836.05*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,173.72*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,180.23*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,554.71	1,340.98
		For Aluminum, Mill Finish, Add	*441.49*	
		For Aluminum, Anodized Finish, Add	*1,235.41*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*484.09*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*968.19*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,517.29*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,840.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,956.66	1,623.29
		For Aluminum, Mill Finish, Add	*536.95*	
		For Aluminum, Anodized Finish, Add	*1,502.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*588.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,177.52*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,061.56*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,887.61*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,385.47	917.52
		For Aluminum, Mill Finish, Add	*290.75*	
		For Aluminum, Anodized Finish, Add	*813.59*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*318.81*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*637.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,657.79*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,188.06*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,436.94	1,129.25
		For Aluminum, Mill Finish, Add	*362.34*	
		For Aluminum, Anodized Finish, Add	*1,013.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*397.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*794.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,065.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,973.06*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,620.85	1,411.56
		For Aluminum, Mill Finish, Add	*432.94*	
		For Aluminum, Anodized Finish, Add	*1,211.48*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*474.72*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*949.44*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,468.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,747.18*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,796.16	1,623.29
		For Aluminum, Mill Finish, Add	*518.65*	
		For Aluminum, Anodized Finish, Add	*1,451.32*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*568.70*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,137.40*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,957.23*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,686.99*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,943.58	1,835.02
		For Aluminum, Mill Finish, Add	*601.18*	
		For Aluminum, Anodized Finish, Add	*1,682.26*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*659.19*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,318.39*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,427.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,591.93*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,257.27	1,129.25
		For Aluminum, Mill Finish, Add	*341.86*	
		For Aluminum, Anodized Finish, Add	*956.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*374.85*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*749.70*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,949.21*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,748.48*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,760.41	1,411.56
		For Aluminum, Mill Finish, Add	*448.85*	
		For Aluminum, Anodized Finish, Add	*1,256.00*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*492.16*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*984.33*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,559.25*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,921.63*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,890.37	1,623.29
		For Aluminum, Mill Finish, Add	*529.39*	
		For Aluminum, Anodized Finish, Add	*1,481.37*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*580.48*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,160.95*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,018.47*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,804.75*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,027.30	1,835.02
		For Aluminum, Mill Finish, Add	*610.73*	
		For Aluminum, Anodized Finish, Add	*1,708.97*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*669.66*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,339.32*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,482.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,696.58*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,666.54	2,117.34
		For Aluminum, Mill Finish, Add	*733.23*	
		For Aluminum, Anodized Finish, Add	*2,051.76*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*803.98*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,607.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,180.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,039.81*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,083.54	1,411.56
		For Aluminum, Mill Finish, Add	*371.69*	
		For Aluminum, Anodized Finish, Add	*1,040.08*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*407.55*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*815.11*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,119.28*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,075.54*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,518.79	1,623.29
		For Aluminum, Mill Finish, Add	*487.03*	
		For Aluminum, Anodized Finish, Add	*1,362.84*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*534.03*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,068.06*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,776.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,340.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,720.27	1,835.02
		For Aluminum, Mill Finish, Add	*575.73*	
		For Aluminum, Anodized Finish, Add	*1,611.02*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*631.28*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,262.56*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,282.65*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,312.79*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,844.48	2,117.34
		For Aluminum, Mill Finish, Add	*753.52*	
		For Aluminum, Anodized Finish, Add	*2,108.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*826.22*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,652.45*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,296.36*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,262.24*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,895.81	2,399.65
		For Aluminum, Mill Finish, Add	*809.00*	
		For Aluminum, Anodized Finish, Add	*2,263.78*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*887.06*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,774.12*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,612.72*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,870.61*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,485.64	1,623.29
		For Aluminum, Mill Finish, Add	*483.25*	
		For Aluminum, Anodized Finish, Add	*1,352.26*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*529.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,059.77*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,755.40*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,298.84*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,797.05	1,835.02
		For Aluminum, Mill Finish, Add	*584.48*	
		For Aluminum, Anodized Finish, Add	*1,635.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*640.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,281.75*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,332.56*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,408.76*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,202.08	2,117.34
		For Aluminum, Mill Finish, Add	*794.28*	
		For Aluminum, Anodized Finish, Add	*2,222.60*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*870.92*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,741.85*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,528.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,709.24*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,215.04	2,399.65
		For Aluminum, Mill Finish, Add	*845.39*	
		For Aluminum, Anodized Finish, Add	*2,365.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*926.97*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,853.93*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,820.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,269.65*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,170.01	2,681.96
		For Aluminum, Mill Finish, Add	*1,003.89*	
		For Aluminum, Anodized Finish, Add	*2,809.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,100.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,201.52*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,723.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,007.58*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,223.11	1,835.02
		For Aluminum, Mill Finish, Add	*519.05*	
		For Aluminum, Anodized Finish, Add	*1,452.43*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*569.13*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,138.27*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,959.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,691.34*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,137.98	2,117.34
		For Aluminum, Mill Finish, Add	*672.98*	
		For Aluminum, Anodized Finish, Add	*1,883.15*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.91*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,475.82*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,837.14*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,379.11*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,023.17	2,399.65
		For Aluminum, Mill Finish, Add	*823.52*	
		For Aluminum, Anodized Finish, Add	*2,304.41*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*902.98*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,805.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,695.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,029.81*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,508.86	2,681.96
		For Aluminum, Mill Finish, Add	*928.52*	
		For Aluminum, Anodized Finish, Add	*2,598.23*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,018.11*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,036.23*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,294.19*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,181.14*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,393.99	2,964.27
		For Aluminum, Mill Finish, Add	*1,079.06*	
		For Aluminum, Anodized Finish, Add	*3,019.48*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,183.18*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,366.37*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,152.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,831.83*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0096		EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,173.29	2,117.34
			For Aluminum, Mill Finish, Add	*563.00*	
			For Aluminum, Anodized Finish, Add	*1,575.41*	
			For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*617.33*	
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,234.65*	
			For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,210.09*	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,173.25*	
08 36 13 00-0097		EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,281.78	2,399.65
			For Aluminum, Mill Finish, Add	*739.00*	
			For Aluminum, Anodized Finish, Add	*2,067.90*	
			For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*810.31*	
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,620.62*	
			For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,213.60*	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,103.08*	
08 36 13 00-0098		EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,067.53	2,681.96
			For Aluminum, Mill Finish, Add	*878.21*	
			For Aluminum, Anodized Finish, Add	*2,457.44*	
			For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*962.95*	
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,925.90*	
			For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,007.33*	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,629.48*	
08 36 13 00-0099		EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,956.15	2,964.27
			For Aluminum, Mill Finish, Add	*1,029.15*	
			For Aluminum, Anodized Finish, Add	*2,879.81*	
			For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,128.45*	
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,256.91*	
			For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,867.95*	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,284.53*	
08 36 13 00-0100		EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	16,815.15	3,246.58
			For Aluminum, Mill Finish, Add	*1,176.71*	
			For Aluminum, Anodized Finish, Add	*3,292.72*	
			For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,290.25*	
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,580.50*	
			For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,709.30*	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,902.50*	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102		EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,301.70	282.31
			For Aluminum And Fiberglass, Add	*184.74*	
			For Each Glass Vision Panel In Door, Add	*50.00*	
			For Insulated Door, Add	*214.53*	
08 36 13 00-0103		EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,408.64	282.31
			For Aluminum And Fiberglass, Add	*217.89*	
			For Each Glass Vision Panel In Door, Add	*50.00*	
			For Insulated Door, Add	*253.03*	
08 36 13 00-0104		EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,791.18	322.97
			For Aluminum And Fiberglass, Add	*305.51*	
			For Each Glass Vision Panel In Door, Add	*50.00*	
			For Insulated Door, Add	*354.78*	
08 36 13 00-0105		EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,959.23	322.97
			For Aluminum And Fiberglass, Add	*357.60*	
			For Each Glass Vision Panel In Door, Add	*50.00*	
			For Insulated Door, Add	*415.28*	

08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports *(08 36 13 00-0013)*

Note: Includes storage, cleaning and supply materials.

08 36 13 00-0107		SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	20.01	

08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0109 Fiberglass Sectional Overhead Doors *(08 36 13 00-0108)*

08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0111		EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,261.74	494.05
08 36 13 00-0112		EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,664.61	564.62
08 36 13 00-0113		EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,187.80	705.78
08 36 13 00-0114		EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,639.47	564.62
08 36 13 00-0115		EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,113.57	635.20
08 36 13 00-0116		EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,965.90	882.23
08 36 13 00-0117		EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,821.58	1,129.25
08 36 13 00-0118		EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,152.19	705.78
08 36 13 00-0119		EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,951.23	882.23
08 36 13 00-0120		EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,741.48	1,058.67
08 36 13 00-0121		EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,883.35	1,411.56
08 36 13 00-0122		EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,888.86	1,693.87
08 36 13 00-0123		EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,946.90	988.09
08 36 13 00-0124		EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,733.61	1,129.25
08 36 13 00-0125		EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,807.94	1,411.56
08 36 13 00-0126		EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,880.49	1,693.87
08 36 13 00-0127		EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,673.20	1,835.02
08 36 13 00-0128		EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,488.54	1,129.25
08 36 13 00-0129		EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,324.35	1,270.40
08 36 13 00-0130		EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,455.72	1,552.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,574.76	1,835.02
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,413.27	1,976.19
08 36 13 00-0133		Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,682.00	494.05
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,171.27	564.62
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,773.96	705.78
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,137.84	564.62
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,721.84	635.20
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,692.37	882.23
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,667.64	1,129.25
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,726.60	705.78
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,672.87	882.23
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,607.58	1,058.67
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,893.23	1,411.56
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,044.59	1,693.87
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,597.34	988.09
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,550.64	1,129.25
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	6,792.94	1,411.56
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,033.45	1,693.87
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,994.82	1,835.02
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,224.69	1,129.25
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,242.99	1,270.40
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,560.99	1,552.72
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,863.89	1,835.02
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,885.58	1,976.19
08 36 13 00-0156		Sectional Overhead Door Accessories *(08 36 13)*		
08 36 13 00-0157		Sectional Overhead Door Accessories *(08 36 13 00-0156)*		
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	4.57	1.76
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	6.35	2.21
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	3.96	1.76
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	346.93	88.22
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	772.77	176.44
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,785.72	282.31
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,430.80	282.31
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,833.82	282.31
		For Door Height >12', Add	*10.00*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	32.05	
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	19.99	
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	19.50	
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.29	
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	50.94	
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	34.38	
08 36 13 00-0172	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	68.77	
08 36 13 00-0173	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	46.42	
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	678.44	141.15
08 36 13 00-0175	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,053.90	212.79
08 36 13 00-0176	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,569.83	354.64
08 36 13 00-0177	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.91	
08 36 13 00-0178	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.46	
08 36 13 00-0179	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.25	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0002	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	87.66	39.81
		For Cooler/Freezer Doors, USDA Grade, Add	*2.27*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*4.77*	
08 38 13 00-0003	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	90.85	39.81
		For Cooler/Freezer Doors, USDA Grade, Add	*2.59*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*5.44*	
08 38 13 00-0004	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	133.59	49.26
		For Cooler/Freezer Doors, USDA Grade, Add	*5.31*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*11.16*	
08 38 13 00-0005	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	144.38	49.26
		For Cooler/Freezer Doors, USDA Grade, Add	*6.39*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*13.42*	
08 38 13 00-0006	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	154.51	49.26
		For Cooler/Freezer Doors, USDA Grade, Add	*7.41*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*15.55*	
08 38 13 00-0007	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	274.02	50.25
		For Cooler/Freezer Doors, USDA Grade, Add	*17.35*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*36.42*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	8,707.02	141.15
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,431.20	141.15
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	19,862.58	162.33
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	22,299.50	176.44
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	34,832.09	176.44
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	36,453.35	176.44
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	40,547.17	211.73

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,715.19	141.15
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,521.65	141.15
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,576.11	162.33
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,996.54	176.44
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	39,072.08	176.44
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	40,721.25	176.44
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	45,295.32	211.73

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,268.86	77.63
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,531.12	77.63

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,531.12	77.63
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,605.10	77.63

08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	6,495.36	134.10
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,019.90	134.10
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,019.90	134.10
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,167.85	134.10
08 38 19		**Rigid Traffic Doors** *(08 38)*		
		Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,554.02	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,675.07	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,729.22	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,803.19	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,884.25	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,045.64	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,113.86	95.28
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,762.49	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,856.64	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,917.52	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,971.31	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,159.97	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,200.31	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,261.80	95.28
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*

08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,065.69	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,307.78	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,401.93	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,549.88	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,711.98	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,034.78	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,128.92	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,482.63	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,670.92	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,778.52	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,886.12	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,263.42	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,344.12	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,424.82	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0036 3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.

08 38 19 00-0037 Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,791.39	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,107.46	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,242.31	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,376.81	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,424.24	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,699.96	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,969.92	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,016.99	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0047 96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,060.39	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,389.90	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,524.75	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,692.88	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,821.00	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,090.00	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,218.74	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,386.86	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,540.43	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,172.57	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,428.11	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,697.11	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,791.96	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,343.40	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,841.04	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,935.19	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,078.42	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,737.46	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,993.00	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,329.24	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,585.50	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,123.49	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,338.68	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,674.92	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,924.78	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,468.46	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,620.52	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,674.89	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,736.34	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,243.77	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,681.73	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,745.16	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,042.57	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,713.11	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,874.24	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,946.73	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,971.93	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,343.45	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,772.35	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,844.84	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,807.20	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,894.56	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,184.53	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,293.26	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,416.16	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,431.03	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,264.68	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,391.54	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,042.80	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,383.88	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,691.96	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,836.95	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,887.35	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,630.38	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,445.91	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,590.89	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,759.77	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,116.19	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,217.41	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,304.84	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,459.86	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,627.99	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,783.62	95.28
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,897.95	95.28
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,062.39	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,438.98	77.63
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,546.93	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,594.01	81.16
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,735.58	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,957.50	84.69
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,086.24	95.28
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,200.56	95.28
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,477.19	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,190.02	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,378.32	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,553.17	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,863.22	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,199.46	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,468.46	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,697.10	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,082.43	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,835.61	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,037.35	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,131.50	134.10
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,414.66	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,858.50	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,073.69	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,302.34	141.15
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,692.52	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,887.54	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,069.47	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,183.79	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,473.31	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,701.96	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,904.67	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,119.87	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0164		90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,827.02	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,062.39	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,183.79	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,345.19	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,654.89	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,930.60	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,119.87	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,321.61	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0173		96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,169.99	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,217.06	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,419.16	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,567.11	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,883.53	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,213.05	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,388.86	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,590.60	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0182		Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0183		84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,342.69	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,732.73	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,082.43	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,311.07	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,890.12	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,347.41	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,710.55	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,140.94	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,611.69	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,082.43	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,311.07	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,633.86	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,253.26	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,804.70	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,140.94	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,544.43	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0201 96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,297.62	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,391.77	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,781.81	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,077.70	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,710.55	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,369.59	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,678.93	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,082.42	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,692.52	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,887.54	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,069.47	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,183.79	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,473.31	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,701.96	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,904.67	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,119.87	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0221		90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,827.02	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,062.39	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,183.79	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,345.19	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,654.89	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,930.60	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,119.87	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,321.61	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0230		96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,169.99	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,217.06	77.63
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,419.16	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,567.11	81.16
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,883.53	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,213.05	84.69
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,388.86	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,590.60	95.28
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0239		Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0240		84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,342.69	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,732.73	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,082.43	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,311.07	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,890.12	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,347.41	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,710.55	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,140.94	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0249		**90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,611.69	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,082.43	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,311.07	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,633.86	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,253.26	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,804.70	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,140.94	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,544.43	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0258		**96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,297.62	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,391.77	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,781.81	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,077.70	134.10
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,710.55	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,369.59	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,678.93	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,082.42	141.15
		For Each 18" x 30" Window, Add	*19.00*	
		For Each 15" x 20" Window, Add	*6.00*	
08 38 19 00-0267		**Rigid Impact Traffic Door Accessories** *(08 38 19)*		
08 38 19 00-0268		**Bumper Strips For Impact Traffic Doors** *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	305.28	56.46
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	338.90	56.46
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	365.80	56.46
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	412.88	56.46
08 38 19 00-0273		**Easy Spring Bumpers For Impact Traffic Doors** *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	849.99	56.46
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,132.44	56.46
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,677.15	56.46
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,939.42	56.46
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,208.41	56.46
08 38 19 00-0279		**Scuff Plates For Impact Traffic Doors** *(08 38 19 00-0267)*		
		Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280		**12" High, Scuff Plates For Impact Traffic Doors** *(08 38 19 00-0279)*		
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	365.80	56.46
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	392.70	56.46
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	426.33	56.46
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	473.40	56.46
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	500.30	56.46
08 38 19 00-0286		**24" High, Scuff Plates For Impact Traffic Doors** *(08 38 19 00-0279)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	500.30	56.46
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	621.35	56.46
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	688.60	56.46
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	782.74	56.46
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	843.27	56.46
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	621.35	56.46
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	728.94	56.46
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	809.64	56.46
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	957.59	56.46
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	1,058.46	56.46
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	688.60	56.46
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	809.64	56.46
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	944.14	56.46
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	1,018.11	56.46
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,132.44	56.46
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	843.27	56.46
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,058.46	56.46
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,132.44	56.46
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,273.66	56.46
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,428.33	56.46
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	352.35	56.46
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	379.25	56.46
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	392.70	56.46
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	453.23	56.46
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	480.13	56.46
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	453.23	56.46
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	493.58	56.46
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	533.92	56.46
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	567.55	56.46
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	621.35	56.46
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	520.47	56.46
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	554.10	56.46
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	634.80	56.46
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	722.22	56.46
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	762.57	56.46
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	554.10	56.46
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	621.35	56.46
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	722.22	56.46
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	802.92	56.46
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	849.99	56.46
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	708.77	56.46
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	802.92	56.46
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	930.69	56.46
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	991.21	56.46
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,071.91	56.46
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	473.40	56.46
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	500.30	56.46
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	581.00	56.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	621.35	56.46
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	735.67	56.46
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	661.70	56.46
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	782.74	56.46
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	903.79	56.46
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,051.74	56.46
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,186.23	56.46
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	755.84	56.46
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	917.24	56.46
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,065.19	56.46
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,219.86	56.46
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,401.43	56.46
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	876.89	56.46
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,051.74	56.46
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,253.48	56.46
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,448.50	56.46
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,616.63	56.46
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,092.09	56.46
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,509.03	56.46
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,616.63	56.46
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,939.42	56.46
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,127.71	56.46
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	419.60	56.46
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	453.23	56.46
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	493.58	56.46
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	540.65	56.46
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	614.62	56.46
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	567.55	56.46
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	648.25	56.46
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	728.94	56.46
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	816.37	56.46
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	917.24	56.46
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	648.25	56.46
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	749.12	56.46
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	863.44	56.46
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,004.66	56.46
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,098.81	56.46
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	728.94	56.46
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	863.44	56.46
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,004.66	56.46
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,145.89	56.46
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,246.76	56.46
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	917.24	56.46
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,125.71	56.46
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,246.76	56.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,488.85	56.46
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,556.10	56.46
08 38 19 00-0404		**Jamb Guards For Impact Traffic Doors** *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	574.94	70.58
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	776.69	70.58
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,516.42	70.58
08 38 19 00-0408		**Other Impact Traffic Door Accessories** *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	142.89	35.29
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	189.96	35.29
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	479.13	35.29
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	600.18	35.29
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	237.04	35.29
08 38 19 00-0414		**Impact Traffic Door Knock Down Frames** *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		**Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0416		**84" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,412.86	105.86
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,662.80	116.45
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,699.77	123.51
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,740.93	134.10
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,780.81	141.15
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,856.60	148.21
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,912.01	155.27
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,948.71	162.33
08 38 19 00-0425		**90" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,442.85	105.86
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,698.51	116.45
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,736.10	123.51
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,777.75	134.10
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,818.27	141.15
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,895.60	148.21
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,952.02	155.27
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,989.33	162.33
08 38 19 00-0434		**96" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,482.73	105.86
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,745.99	116.45
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,784.32	123.51
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,814.84	134.10
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,868.03	141.15
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,934.60	148.21
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,005.21	155.27
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,046.22	158.80
08 38 19 00-0443		**Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0444		**84" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,983.34	162.33
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,015.08	165.15
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,054.63	169.38
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,107.40	176.44
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,140.02	183.50
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,212.78	184.91
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,261.50	187.03
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,320.10	190.56
08 38 19 00-0453		**90" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,024.77	162.33
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,057.11	165.15
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,097.53	169.38
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,151.25	176.44
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,184.40	183.50
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,258.84	184.91
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,308.67	187.03
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,368.58	190.56
08 38 19 00-0462		**96" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,073.12	162.33
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,099.07	165.15
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,154.49	169.38
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,195.10	176.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,243.24	183.50
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,326.76	184.91
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,371.35	187.03
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,421.77	190.56

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2086 for exit device, 08 71 11 00-2222 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,058.03	1,211.21
		For Bronze Finish, Add	*359.88*	
		For Black Finish, Add	*1,033.59*	
		For 8' High Door, Add	*372.84*	
		For 10' High Door, Add	*810.53*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,260.62	1,331.06
		For Bronze Finish, Add	*362.21*	
		For Black Finish, Add	*1,040.29*	
		For 8' High Door, Add	*375.26*	
		For 10' High Door, Add	*815.78*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	8,336.00	1,816.45
		For Bronze Finish, Add	*623.55*	
		For Black Finish, Add	*1,790.88*	
		For 8' High Door, Add	*646.02*	
		For 10' High Door, Add	*1,404.40*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	9,629.28	1,979.33
		For Bronze Finish, Add	*738.28*	
		For Black Finish, Add	*2,120.40*	
		For 8' High Door, Add	*764.89*	
		For 10' High Door, Add	*1,662.80*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,499.21	1,211.21
		For Bronze Finish, Add	*408.85*	
		For Black Finish, Add	*1,174.24*	
		For 8' High Door, Add	*423.58*	
		For 10' High Door, Add	*920.83*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,729.11	1,331.06
		For Bronze Finish, Add	*414.21*	
		For Black Finish, Add	*1,189.64*	
		For 8' High Door, Add	*429.14*	
		For 10' High Door, Add	*932.91*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	9,170.04	1,816.45
		For Bronze Finish, Add	*716.13*	
		For Black Finish, Add	*2,056.78*	
		For 8' High Door, Add	*741.94*	
		For 10' High Door, Add	*1,612.91*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	10,438.98	1,979.33
		For Bronze Finish, Add	*828.16*	
		For Black Finish, Add	*2,378.53*	
		For 8' High Door, Add	*858.00*	
		For 10' High Door, Add	*1,865.23*	
		For 1" Insulated Glazing, Add	*328.89*	

08 42 29 Automatic Entrances *(08 42)*

08 42 29 33 Swinging Automatic Entrances *(08 42 29)*

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 Lb. Panel Weight *(08 42 29 33)*

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel Note: For new storefront or existing concealed operator installations.	5,086.03	799.88
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel Note: For new storefront or existing concealed operator installations.	8,573.27	1,066.57
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel	4,215.15	639.91
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	7,469.61	959.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 33-0006		Activation Devices For Door Operators *(08 42 29 33)*		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	480.77	63.99
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	430.76	63.99
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	434.75	63.99
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	236.50	63.99
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	252.26	63.99
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	171.91	63.99
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	815.85	159.97
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	1,004.78	79.99
08 42 29 33-0015	EA	Guard Rail For Door With Operator	310.46	79.99
08 42 29 33-0016		Low Energy Door Operators (Norton LEO™ 5700 Series) *(08 42 29 33)* Note: Operates as mechanical surface close during close cycles, when door is opened manually or if power is turned off. Includes push and pull arms, inverter, motor and Norton 1601 closer body. Excludes activation device and door.		
08 42 29 33-0017	EA	Single Door, Universal Low Energy Power Door Operator (Norton LEO™ 5741-PC-A)	5,080.68	159.97

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

08 43 13 00-0001		Aluminum Storefront Framing Assembly *(08 43 13)* Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 23 13-0000 for appropriate glazing material.		
08 43 13 00-0002	SF	Aluminum Storefront Framing Assembly	68.97	8.72
		For Various Color Class I Anodized Finish, Add	*3.35*	
		For Black Color Class I Anodized Finish, Add	*10.04*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*5.58*	

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001		Stainless Steel Storefront Framing Assembly *(08 43 19)* Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 13-0000 for appropriate glazing material.		
08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	60.70	9.08
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for for glazing.

08 51 13 00-0001		Aluminum Windows *(08 51 13)* Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002		Single Hung Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0003		2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*		
08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,090.27	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.87*	
		For Clear Anodized Finish, Add	*43.22*	
		For Color Anodized Finish, Add	*60.51*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,237.82	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.87*	
		For Clear Anodized Finish, Add	*49.89*	
		For Color Anodized Finish, Add	*69.85*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,362.17	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.49*	
		For Clear Anodized Finish, Add	*55.40*	
		For Color Anodized Finish, Add	*77.57*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,463.30	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*71.71*	
		For Clear Anodized Finish, Add	*59.76*	
		For Color Anodized Finish, Add	*83.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,703.68	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*85.28*	
		For Clear Anodized Finish, Add	*71.07*	
		For Color Anodized Finish, Add	*99.50*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	55.87	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.84*	
		For Clear Anodized Finish, Add	*2.37*	
		For Color Anodized Finish, Add	*3.32*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,705.23	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.76*	
		For Clear Anodized Finish, Add	*73.97*	
		For Color Anodized Finish, Add	*103.56*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,904.99	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*99.90*	
		For Clear Anodized Finish, Add	*83.25*	
		For Color Anodized Finish, Add	*116.55*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,069.95	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.95*	
		For Clear Anodized Finish, Add	*90.79*	
		For Color Anodized Finish, Add	*127.11*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,229.10	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*117.65*	
		For Clear Anodized Finish, Add	*98.05*	
		For Color Anodized Finish, Add	*137.26*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,678.33	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*143.76*	
		For Clear Anodized Finish, Add	*119.80*	
		For Color Anodized Finish, Add	*167.72*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	88.36	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.79*	
		For Clear Anodized Finish, Add	*3.99*	
		For Color Anodized Finish, Add	*5.59*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,809.66	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*95.03*	
		For Clear Anodized Finish, Add	*79.19*	
		For Color Anodized Finish, Add	*110.87*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,050.03	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.60*	
		For Clear Anodized Finish, Add	*90.50*	
		For Color Anodized Finish, Add	*126.70*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,244.00	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*119.40*	
		For Clear Anodized Finish, Add	*99.50*	
		For Color Anodized Finish, Add	*139.29*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,432.15	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*129.84*	
		For Clear Anodized Finish, Add	*108.20*	
		For Color Anodized Finish, Add	*151.48*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,927.80	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.73*	
		For Clear Anodized Finish, Add	*132.27*	
		For Color Anodized Finish, Add	*185.18*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	96.65	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.29*	
		For Clear Anodized Finish, Add	*4.41*	
		For Color Anodized Finish, Add	*6.17*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,006.91	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.86*	
		For Clear Anodized Finish, Add	*89.05*	
		For Color Anodized Finish, Add	*124.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,322.70	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.96*	
		For Clear Anodized Finish, Add	*104.14*	
		For Color Anodized Finish, Add	*145.79*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,522.47	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*136.10*	
		For Clear Anodized Finish, Add	*113.42*	
		For Color Anodized Finish, Add	*158.79*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,710.63	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*146.55*	
		For Clear Anodized Finish, Add	*122.12*	
		For Color Anodized Finish, Add	*170.97*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,165.66	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.00*	
		For Clear Anodized Finish, Add	*144.17*	
		For Color Anodized Finish, Add	*201.83*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	104.60	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.77*	
		For Clear Anodized Finish, Add	*4.81*	
		For Color Anodized Finish, Add	*6.73*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,246.92	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.26*	
		For Clear Anodized Finish, Add	*51.05*	
		For Color Anodized Finish, Add	*71.47*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,388.66	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.92*	
		For Clear Anodized Finish, Add	*57.44*	
		For Color Anodized Finish, Add	*80.41*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,507.21	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*75.19*	
		For Clear Anodized Finish, Add	*62.66*	
		For Color Anodized Finish, Add	*87.72*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,631.54	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.80*	
		For Clear Anodized Finish, Add	*68.17*	
		For Color Anodized Finish, Add	*95.43*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,929.94	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*98.86*	
		For Clear Anodized Finish, Add	*82.38*	
		For Color Anodized Finish, Add	*115.33*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	63.41	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.30*	
		For Clear Anodized Finish, Add	*2.75*	
		For Color Anodized Finish, Add	*3.85*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,577.60	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.11*	
		For Clear Anodized Finish, Add	*67.59*	
		For Color Anodized Finish, Add	*94.62*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,846.98	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*96.42*	
		For Clear Anodized Finish, Add	*80.35*	
		For Color Anodized Finish, Add	*112.49*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,064.15	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.60*	
		For Clear Anodized Finish, Add	*90.50*	
		For Color Anodized Finish, Add	*126.70*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,310.32	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.53*	
		For Clear Anodized Finish, Add	*102.11*	
		For Color Anodized Finish, Add	*142.95*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,771.16	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*149.33*	
		For Clear Anodized Finish, Add	*124.44*	
		For Color Anodized Finish, Add	*174.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	91.43	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.98*	
		For Clear Anodized Finish, Add	*4.15*	
		For Color Anodized Finish, Add	*5.81*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,035.92	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.60*	
		For Clear Anodized Finish, Add	*90.50*	
		For Color Anodized Finish, Add	*126.70*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,351.71	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.71*	
		For Clear Anodized Finish, Add	*105.59*	
		For Color Anodized Finish, Add	*147.82*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,615.29	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*141.67*	
		For Clear Anodized Finish, Add	*118.06*	
		For Color Anodized Finish, Add	*165.28*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,873.07	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.29*	
		For Clear Anodized Finish, Add	*130.24*	
		For Color Anodized Finish, Add	*182.34*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,507.95	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*64.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*193.54*	
		For Clear Anodized Finish, Add	*161.28*	
		For Color Anodized Finish, Add	*225.79*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	115.97	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.45*	
		For Clear Anodized Finish, Add	*5.38*	
		For Color Anodized Finish, Add	*7.53*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,274.15	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*60.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*182.05*	
		For Clear Anodized Finish, Add	*151.71*	
		For Color Anodized Finish, Add	*212.39*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,595.75	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*200.50*	
		For Clear Anodized Finish, Add	*167.08*	
		For Color Anodized Finish, Add	*233.92*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,975.35	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*74.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*222.43*	
		For Clear Anodized Finish, Add	*185.36*	
		For Color Anodized Finish, Add	*259.50*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,621.84	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*86.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*260.37*	
		For Clear Anodized Finish, Add	*216.98*	
		For Color Anodized Finish, Add	*303.77*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	152.93	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.67*	
		For Clear Anodized Finish, Add	*7.22*	
		For Color Anodized Finish, Add	*10.11*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,585.29	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*86.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*260.72*	
		For Clear Anodized Finish, Add	*217.27*	
		For Color Anodized Finish, Add	*304.17*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,947.50	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*93.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*281.61*	
		For Clear Anodized Finish, Add	*234.67*	
		For Color Anodized Finish, Add	*328.54*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,361.92	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*101.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*305.62*	
		For Clear Anodized Finish, Add	*254.69*	
		For Color Anodized Finish, Add	*356.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	6,089.62	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*116.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*348.44*	
		For Clear Anodized Finish, Add	*290.37*	
		For Color Anodized Finish, Add	*406.51*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	202.24	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.63*	
		For Clear Anodized Finish, Add	*9.69*	
		For Color Anodized Finish, Add	*13.56*	

08 51 13 00-0065 Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*

08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,119.28	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.61*	
		For Clear Anodized Finish, Add	*44.67*	
		For Color Anodized Finish, Add	*62.54*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,272.63	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.96*	
		For Clear Anodized Finish, Add	*51.63*	
		For Color Anodized Finish, Add	*72.29*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,385.37	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.88*	
		For Clear Anodized Finish, Add	*56.56*	
		For Color Anodized Finish, Add	*79.19*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,503.91	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.14*	
		For Clear Anodized Finish, Add	*61.79*	
		For Color Anodized Finish, Add	*86.50*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,755.89	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.41*	
		For Clear Anodized Finish, Add	*73.68*	
		For Color Anodized Finish, Add	*103.15*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	57.61	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.95*	
		For Clear Anodized Finish, Add	*2.46*	
		For Color Anodized Finish, Add	*3.44*	

08 51 13 00-0074 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*

08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,856.07	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.81*	
		For Clear Anodized Finish, Add	*81.51*	
		For Color Anodized Finish, Add	*114.12*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,102.24	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*111.74*	
		For Clear Anodized Finish, Add	*93.11*	
		For Color Anodized Finish, Add	*130.36*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,296.21	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.53*	
		For Clear Anodized Finish, Add	*102.11*	
		For Color Anodized Finish, Add	*142.95*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,484.37	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*132.97*	
		For Clear Anodized Finish, Add	*110.81*	
		For Color Anodized Finish, Add	*155.13*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,904.59	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.34*	
		For Clear Anodized Finish, Add	*131.11*	
		For Color Anodized Finish, Add	*183.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	95.90	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.25*	
		For Clear Anodized Finish, Add	*4.37*	
		For Color Anodized Finish, Add	*6.12*	

08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*

08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,270.12	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*62.66*	
		For Clear Anodized Finish, Add	*52.21*	
		For Color Anodized Finish, Add	*73.10*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,469.88	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.80*	
		For Clear Anodized Finish, Add	*61.50*	
		For Color Anodized Finish, Add	*86.09*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,600.03	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.76*	
		For Clear Anodized Finish, Add	*67.30*	
		For Color Anodized Finish, Add	*94.22*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,706.96	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.33*	
		For Clear Anodized Finish, Add	*71.94*	
		For Color Anodized Finish, Add	*100.71*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,993.76	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*102.69*	
		For Clear Anodized Finish, Add	*85.57*	
		For Color Anodized Finish, Add	*119.80*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	65.50	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.42*	
		For Clear Anodized Finish, Add	*2.85*	
		For Color Anodized Finish, Add	*3.99*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,468.89	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*64.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*194.58*	
		For Clear Anodized Finish, Add	*162.15*	
		For Color Anodized Finish, Add	*227.01*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,991.50	156.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*74.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*223.82*	
		For Clear Anodized Finish, Add	*186.52*	
		For Color Anodized Finish, Add	*261.13*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,318.90	165.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*242.62*	
		For Clear Anodized Finish, Add	*202.18*	
		For Color Anodized Finish, Add	*283.06*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	5,236.03	186.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*98.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*295.53*	
		For Clear Anodized Finish, Add	*246.27*	
		For Color Anodized Finish, Add	*344.78*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	6,049.97	211.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*113.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*341.82*	
		For Clear Anodized Finish, Add	*284.85*	
		For Color Anodized Finish, Add	*398.80*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	103.38	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.69*	
		For Clear Anodized Finish, Add	*4.75*	
		For Color Anodized Finish, Add	*6.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0097		Fixed Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0098		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*		
08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	846.61	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.25*	
		For Clear Anodized Finish, Add	*31.04*	
		For Color Anodized Finish, Add	*43.45*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	976.75	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.21*	
		For Clear Anodized Finish, Add	*36.84*	
		For Color Anodized Finish, Add	*51.58*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,031.48	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.64*	
		For Clear Anodized Finish, Add	*38.87*	
		For Color Anodized Finish, Add	*54.42*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,086.20	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.08*	
		For Clear Anodized Finish, Add	*40.90*	
		For Color Anodized Finish, Add	*57.26*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,477.42	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*71.71*	
		For Clear Anodized Finish, Add	*59.76*	
		For Color Anodized Finish, Add	*83.66*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	48.33	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.39*	
		For Clear Anodized Finish, Add	*1.99*	
		For Color Anodized Finish, Add	*2.79*	
08 51 13 00-0105		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*		
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,101.88	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*52.56*	
		For Clear Anodized Finish, Add	*43.80*	
		For Color Anodized Finish, Add	*61.32*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,272.63	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.96*	
		For Clear Anodized Finish, Add	*51.63*	
		For Color Anodized Finish, Add	*72.29*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,373.77	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.18*	
		For Clear Anodized Finish, Add	*55.98*	
		For Color Anodized Finish, Add	*78.38*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,480.71	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.75*	
		For Clear Anodized Finish, Add	*60.63*	
		For Color Anodized Finish, Add	*84.88*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,993.76	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*102.69*	
		For Clear Anodized Finish, Add	*85.57*	
		For Color Anodized Finish, Add	*119.80*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	65.50	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.42*	
		For Clear Anodized Finish, Add	*2.85*	
		For Color Anodized Finish, Add	*3.99*	
08 51 13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*		
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	927.83	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.12*	
		For Clear Anodized Finish, Add	*35.10*	
		For Color Anodized Finish, Add	*49.14*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,098.58	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.52*	
		For Clear Anodized Finish, Add	*42.93*	
		For Color Anodized Finish, Add	*60.10*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,188.12	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.04*	
		For Clear Anodized Finish, Add	*46.70*	
		For Color Anodized Finish, Add	*65.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,283.45	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.92*	
		For Clear Anodized Finish, Add	*50.76*	
		For Color Anodized Finish, Add	*71.07*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,767.50	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.11*	
		For Clear Anodized Finish, Add	*74.26*	
		For Color Anodized Finish, Add	*103.96*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	57.96	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.97*	
		For Clear Anodized Finish, Add	*2.47*	
		For Color Anodized Finish, Add	*3.46*	
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	922.03	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.77*	
		For Clear Anodized Finish, Add	*34.81*	
		For Color Anodized Finish, Add	*48.73*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,075.38	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.13*	
		For Clear Anodized Finish, Add	*41.77*	
		For Color Anodized Finish, Add	*58.48*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,164.92	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.65*	
		For Clear Anodized Finish, Add	*45.54*	
		For Color Anodized Finish, Add	*63.76*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,260.25	160.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.52*	
		For Clear Anodized Finish, Add	*49.60*	
		For Color Anodized Finish, Add	*69.44*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,744.29	169.38
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*87.72*	
		For Clear Anodized Finish, Add	*73.10*	
		For Color Anodized Finish, Add	*102.34*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	57.20	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.92*	
		For Clear Anodized Finish, Add	*2.44*	
		For Color Anodized Finish, Add	*3.41*	
08 51 13 00-0126		Projected Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0127		Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*		
08 51 13 00-0128		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*		
08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,282.89	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*63.42*	
		For Clear Anodized Finish, Add	*52.85*	
		For Color Anodized Finish, Add	*73.99*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,393.88	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*69.24*	
		For Clear Anodized Finish, Add	*57.70*	
		For Color Anodized Finish, Add	*80.77*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,524.61	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.23*	
		For Clear Anodized Finish, Add	*63.53*	
		For Color Anodized Finish, Add	*88.94*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	93.17	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.08*	
		For Clear Anodized Finish, Add	*4.24*	
		For Color Anodized Finish, Add	*5.93*	
08 51 13 00-0133		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*		
08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,795.80	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*94.20*	
		For Clear Anodized Finish, Add	*78.50*	
		For Color Anodized Finish, Add	*109.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,991.49	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.09*	
		For Clear Anodized Finish, Add	*87.58*	
		For Color Anodized Finish, Add	*122.61*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,220.79	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.00*	
		For Clear Anodized Finish, Add	*98.34*	
		For Color Anodized Finish, Add	*137.67*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	139.58	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.87*	
		For Clear Anodized Finish, Add	*6.56*	
		For Color Anodized Finish, Add	*9.18*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,988.17	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.74*	
		For Clear Anodized Finish, Add	*88.12*	
		For Color Anodized Finish, Add	*123.36*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,215.55	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.54*	
		For Clear Anodized Finish, Add	*98.78*	
		For Color Anodized Finish, Add	*138.29*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,481.86	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*133.67*	
		For Clear Anodized Finish, Add	*111.39*	
		For Color Anodized Finish, Add	*155.94*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	156.99	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.91*	
		For Clear Anodized Finish, Add	*7.43*	
		For Color Anodized Finish, Add	*10.40*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	2,120.68	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.69*	
		For Clear Anodized Finish, Add	*94.74*	
		For Color Anodized Finish, Add	*132.64*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,369.93	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*127.80*	
		For Clear Anodized Finish, Add	*106.50*	
		For Color Anodized Finish, Add	*149.10*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,661.71	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*144.46*	
		For Clear Anodized Finish, Add	*120.38*	
		For Color Anodized Finish, Add	*168.53*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	169.00	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.63*	
		For Clear Anodized Finish, Add	*8.03*	
		For Color Anodized Finish, Add	*11.24*	

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,103.57	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*112.66*	
		For Clear Anodized Finish, Add	*93.89*	
		For Color Anodized Finish, Add	*131.44*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,350.03	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.60*	
		For Clear Anodized Finish, Add	*105.50*	
		For Color Anodized Finish, Add	*147.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,638.50	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*143.07*	
		For Clear Anodized Finish, Add	*119.22*	
		For Color Anodized Finish, Add	*166.91*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	167.43	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.54*	
		For Clear Anodized Finish, Add	*7.95*	
		For Color Anodized Finish, Add	*11.13*	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,842.85	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.02*	
		For Clear Anodized Finish, Add	*80.85*	
		For Color Anodized Finish, Add	*113.19*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,046.26	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.38*	
		For Clear Anodized Finish, Add	*90.32*	
		For Color Anodized Finish, Add	*126.44*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,284.61	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*121.83*	
		For Clear Anodized Finish, Add	*101.53*	
		For Color Anodized Finish, Add	*142.14*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	143.65	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.11*	
		For Clear Anodized Finish, Add	*6.76*	
		For Color Anodized Finish, Add	*9.46*	

08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*

08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,655.00	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*145.75*	
		For Clear Anodized Finish, Add	*121.46*	
		For Color Anodized Finish, Add	*170.04*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,992.43	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*165.15*	
		For Clear Anodized Finish, Add	*137.62*	
		For Color Anodized Finish, Add	*192.67*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,386.90	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*187.97*	
		For Clear Anodized Finish, Add	*156.64*	
		For Color Anodized Finish, Add	*219.30*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	217.32	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.53*	
		For Clear Anodized Finish, Add	*10.44*	
		For Color Anodized Finish, Add	*14.62*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,825.97	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.01*	
		For Clear Anodized Finish, Add	*130.01*	
		For Color Anodized Finish, Add	*182.01*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,191.59	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.10*	
		For Clear Anodized Finish, Add	*147.58*	
		For Color Anodized Finish, Add	*206.61*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,618.96	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*67.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*201.89*	
		For Clear Anodized Finish, Add	*168.24*	
		For Color Anodized Finish, Add	*235.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	232.41	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.44*	
		For Clear Anodized Finish, Add	*11.20*	
		For Color Anodized Finish, Add	*15.68*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,808.91	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.98*	
		For Clear Anodized Finish, Add	*129.15*	
		For Color Anodized Finish, Add	*180.81*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,171.70	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*175.90*	
		For Clear Anodized Finish, Add	*146.59*	
		For Color Anodized Finish, Add	*205.22*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,595.75	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*200.50*	
		For Clear Anodized Finish, Add	*167.08*	
		For Color Anodized Finish, Add	*233.92*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	231.25	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.37*	
		For Clear Anodized Finish, Add	*11.14*	
		For Color Anodized Finish, Add	*15.59*	

08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*

08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,073.93	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*56.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*170.88*	
		For Clear Anodized Finish, Add	*142.40*	
		For Color Anodized Finish, Add	*199.37*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,480.45	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*64.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*194.43*	
		For Clear Anodized Finish, Add	*162.02*	
		For Color Anodized Finish, Add	*226.83*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,955.44	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*74.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*222.08*	
		For Clear Anodized Finish, Add	*185.07*	
		For Color Anodized Finish, Add	*259.10*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	255.03	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.79*	
		For Clear Anodized Finish, Add	*12.33*	
		For Color Anodized Finish, Add	*17.26*	

08 51 13 00-0179 Casement Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0180 Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0181 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*

08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,492.32	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*75.99*	
		For Clear Anodized Finish, Add	*63.32*	
		For Color Anodized Finish, Add	*88.65*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,637.89	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.88*	
		For Clear Anodized Finish, Add	*69.90*	
		For Color Anodized Finish, Add	*97.86*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,808.88	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*93.29*	
		For Clear Anodized Finish, Add	*77.74*	
		For Color Anodized Finish, Add	*108.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	112.14	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.22*	
		For Clear Anodized Finish, Add	*5.18*	
		For Color Anodized Finish, Add	*7.26*	

08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*

08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,270.30	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.67*	
		For Clear Anodized Finish, Add	*102.22*	
		For Color Anodized Finish, Add	*143.11*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,544.20	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.25*	
		For Clear Anodized Finish, Add	*115.21*	
		For Color Anodized Finish, Add	*161.30*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,864.76	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.64*	
		For Clear Anodized Finish, Add	*130.53*	
		For Color Anodized Finish, Add	*182.75*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	182.52	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.44*	
		For Clear Anodized Finish, Add	*8.70*	
		For Color Anodized Finish, Add	*12.18*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,283.12	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*123.44*	
		For Clear Anodized Finish, Add	*102.86*	
		For Color Anodized Finish, Add	*144.01*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,559.17	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.15*	
		For Clear Anodized Finish, Add	*115.96*	
		For Color Anodized Finish, Add	*162.34*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,882.16	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.68*	
		For Clear Anodized Finish, Add	*131.40*	
		For Color Anodized Finish, Add	*183.97*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	183.68	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.51*	
		For Clear Anodized Finish, Add	*8.76*	
		For Color Anodized Finish, Add	*12.26*	

08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*

08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,415.63	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.39*	
		For Clear Anodized Finish, Add	*109.49*	
		For Color Anodized Finish, Add	*153.28*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,713.55	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*148.42*	
		For Clear Anodized Finish, Add	*123.68*	
		For Color Anodized Finish, Add	*173.15*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,062.01	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*56.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*168.48*	
		For Clear Anodized Finish, Add	*140.40*	
		For Color Anodized Finish, Add	*196.56*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	195.68	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.23*	
		For Clear Anodized Finish, Add	*9.36*	
		For Color Anodized Finish, Add	*13.10*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,727.43	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*90.09*	
		For Clear Anodized Finish, Add	*75.08*	
		For Color Anodized Finish, Add	*105.11*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,911.78	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.31*	
		For Clear Anodized Finish, Add	*83.59*	
		For Color Anodized Finish, Add	*117.03*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,127.97	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*112.43*	
		For Clear Anodized Finish, Add	*93.69*	
		For Color Anodized Finish, Add	*131.17*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	133.38	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.49*	
		For Clear Anodized Finish, Add	*6.25*	
		For Color Anodized Finish, Add	*8.74*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,505.38	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*136.77*	
		For Clear Anodized Finish, Add	*113.98*	
		For Color Anodized Finish, Add	*159.57*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,818.09	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.69*	
		For Clear Anodized Finish, Add	*128.91*	
		For Color Anodized Finish, Add	*180.47*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,183.84	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*175.79*	
		For Clear Anodized Finish, Add	*146.49*	
		For Color Anodized Finish, Add	*205.08*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	203.81	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.72*	
		For Clear Anodized Finish, Add	*9.77*	
		For Color Anodized Finish, Add	*13.67*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,791.80	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*153.96*	
		For Clear Anodized Finish, Add	*128.30*	
		For Color Anodized Finish, Add	*179.62*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,151.80	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*174.71*	
		For Clear Anodized Finish, Add	*145.59*	
		For Color Anodized Finish, Add	*203.83*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,572.54	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*199.11*	
		For Clear Anodized Finish, Add	*165.92*	
		For Color Anodized Finish, Add	*232.29*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	229.68	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.27*	
		For Clear Anodized Finish, Add	*11.06*	
		For Color Anodized Finish, Add	*15.48*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,052.52	135.51
		For 50% Fluoropolymer Finish (Acrynar), Add	*56.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*169.60*	
		For Clear Anodized Finish, Add	*141.33*	
		For Color Anodized Finish, Add	*197.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,455.56	143.98
		For 50% Fluoropolymer Finish (Acrynar), Add	*64.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*192.94*	
		For Clear Anodized Finish, Add	*160.78*	
		For Color Anodized Finish, Add	*225.09*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,926.44	152.45
		For 50% Fluoropolymer Finish (Acrynar), Add	*73.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*220.34*	
		For Clear Anodized Finish, Add	*183.62*	
		For Color Anodized Finish, Add	*257.07*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	253.29	5.08
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.69*	
		For Clear Anodized Finish, Add	*12.24*	
		For Color Anodized Finish, Add	*17.14*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	48.69	6.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.22*	
		For Clear Anodized Finish, Add	*1.85*	
		For Color Anodized Finish, Add	*2.58*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	523.53	51.46
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.27*	
		For Clear Anodized Finish, Add	*21.89*	
		For Color Anodized Finish, Add	*30.64*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	707.29	85.78
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.86*	
		For Clear Anodized Finish, Add	*28.22*	
		For Color Anodized Finish, Add	*39.50*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	831.51	128.66
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.02*	
		For Clear Anodized Finish, Add	*30.85*	
		For Color Anodized Finish, Add	*43.19*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	966.27	171.55
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.82*	
		For Clear Anodized Finish, Add	*34.02*	
		For Color Anodized Finish, Add	*47.63*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	1,230.53	257.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.10*	
		For Clear Anodized Finish, Add	*40.08*	
		For Color Anodized Finish, Add	*56.12*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	42.92	10.72
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.50*	
		For Clear Anodized Finish, Add	*1.25*	
		For Color Anodized Finish, Add	*1.75*	

08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*

08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	10.84	6.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.14*	
		For Clear Anodized Finish, Add	*0.12*	
		For Color Anodized Finish, Add	*0.17*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	17.70	6.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.55*	
		For Clear Anodized Finish, Add	*0.46*	
		For Color Anodized Finish, Add	*0.65*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	34.36	6.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.79*	
		For Clear Anodized Finish, Add	*0.66*	
		For Color Anodized Finish, Add	*0.92*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	42.46	6.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.11*	
		For Clear Anodized Finish, Add	*0.92*	
		For Color Anodized Finish, Add	*1.29*	

08 51 13 00-0237 Other Aluminum Window Accessories *(08 51 13 00-0222)*

08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	444.87	28.22
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	212.81	28.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 19		**Stainless-Steel Windows** *(08 51)*		
		See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001		Stainless Steel Windows Types *(08 51 19)*		
08 51 19 00-0002		Industrial *(08 51 19 00-0001)*		
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	121.63	8.47
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	91.29	8.47
08 51 19 00-0005		Projected Sash *(08 51 19 00-0001)*		
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	127.29	8.47
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	140.71	8.47
08 51 19 00-0008		Other Type Sash *(08 51 19 00-0001)*		
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	154.09	8.47
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	108.51	8.47
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	90.39	8.47
08 51 19 00-0012	SF	Sliding Stainless Steel Window	159.00	8.47
08 51 19 00-0013		Casements *(08 51 19 00-0001)*		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	137.93	8.47
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	119.07	8.47
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	83.48	8.47
08 51 23		**Steel Windows** *(08 51)*		
		Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for for glazing.		
08 51 23 00-0001		Steel Windows *(08 51 23)*		
08 51 23 00-0002		Industrial *(08 51 23 00-0001)*		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	94.22	8.47
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	84.31	8.47
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	134.85	8.47
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	115.03	8.47
08 51 23 00-0007		Projected Sash *(08 51 23 00-0001)*		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	106.17	8.47
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	117.06	8.47
08 51 23 00-0010		Other Type Sash *(08 51 23 00-0001)*		
08 51 23 00-0011	SF	Double Hung Steel Window Sash	136.30	8.47
08 51 23 00-0012	SF	Steel Picture Window Sash	58.73	8.47
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	140.59	10.59
08 51 23 00-0014	SF	Single Hung Steel Window Sash	96.52	8.47
08 51 23 00-0015		Casements *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	122.22	4.23
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	105.75	4.23
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	74.67	6.35
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	44.40	6.35
08 51 23 00-0021	LF	Covered Steel Mullions	75.54	6.35
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*		
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	22.12	
08 51 66		**Metal Window Screens** *(08 51)*		
08 51 66 00-0001		Aluminum Window Insect Screens *(08 51 66)*		
		Note: Includes aluminum frames.		
08 51 66 00-0002	SF	Up To 10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	18.17	2.12
08 51 66 00-0003	SF	>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	12.31	1.69
08 51 66 00-0004	SF	Repair Aluminum Mesh Screen Window	10.02	
08 51 69		**Metal Storm Windows** *(08 51)*		
08 51 69 00-0001		Storm Windows *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	50.39	4.23

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 Wood Windows *(08 50)*

08 52 11 Wood Windows *(08 52)*

08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11)*

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*

08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	381.59	
		For Low-E Insulated Glass, Add	*29.63*	
		For Aluminum Clad Exterior, Add	*31.75*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	404.72	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	429.38	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	442.47	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	454.03	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	468.64	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	475.69	
		For Low-E Insulated Glass, Add	*38.38*	
		For Aluminum Clad Exterior, Add	*41.12*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	504.86	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	529.52	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	

08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*

08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	404.72	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	429.38	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	450.08	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	468.64	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	480.21	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	493.30	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	504.86	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	529.52	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	554.17	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	415.84	
		For Low-E Insulated Glass, Add	*33.04*	
		For Aluminum Clad Exterior, Add	*35.40*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	440.49	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	466.67	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	478.23	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	491.32	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	502.89	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	515.97	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	539.10	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	563.76	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0032		38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	431.35	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	456.01	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	482.18	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	495.28	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	506.84	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	519.92	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	531.49	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	556.15	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	580.80	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0042		46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	480.21	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	504.86	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	529.52	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	541.08	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	554.17	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	565.73	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	578.83	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	603.47	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	629.65	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0052		48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	491.32	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	515.97	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	539.10	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	552.19	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	563.76	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	576.85	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	588.41	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	614.59	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	639.24	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	506.84	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	531.49	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	556.15	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	567.71	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	580.80	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	592.36	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	605.45	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	631.63	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	656.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	531.49	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	556.15	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	580.80	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	592.36	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	605.45	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	618.54	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	631.63	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	656.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	680.93	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	554.17	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	578.83	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	603.47	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	616.56	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	629.65	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	641.22	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	654.30	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	678.95	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	702.09	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	563.76	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	588.41	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	614.59	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	627.68	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	639.24	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	652.32	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	663.90	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	688.55	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	713.19	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	580.80	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	605.45	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	631.63	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	643.19	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	656.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	667.85	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	680.93	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	704.06	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	728.72	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	605.45	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	631.63	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	656.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	667.85	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	680.93	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	692.50	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	704.06	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	728.72	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	753.38	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	629.65	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	654.30	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	678.95	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	690.53	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	702.09	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	719.69	
		For Low-E Insulated Glass, Add	*62.02*	
		For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	728.33	
		For Low-E Insulated Glass, Add	*62.68*	
		For Aluminum Clad Exterior, Add	*67.16*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	751.41	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	777.58	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	656.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	680.93	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	704.06	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	717.15	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	728.72	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	741.81	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	753.38	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	779.56	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	804.21	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	

08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	688.83	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	711.97	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	736.63	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	749.72	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	761.29	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	774.37	
		For Low-E Insulated Glass, Add	*66.08*	
		For Aluminum Clad Exterior, Add	*70.80*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	787.46	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	812.12	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	836.77	
		For Low-E Insulated Glass, Add	*72.05*	
		For Aluminum Clad Exterior, Add	*77.20*	

08 52 11 00-0152 Removal And Reinstallation Of Wood Window And Frame *(08 52 11)*

Note: Includes storage, cleaning and supply materials.

08 52 11 00-0153	SF	Removal And Reinstallation Of Wood Windows And Frames	33.55	

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001 Double Hung Wood Clad Windows *(08 52 16)*

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	438.50	64.93
		For Low-E Insulated Glass, Add	*37.04*	
		For Tempered Clear Insulated Glass, Add	*61.73*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	464.17	67.75
		For Low-E Insulated Glass, Add	*39.44*	
		For Tempered Clear Insulated Glass, Add	*65.73*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	488.16	70.58
		For Low-E Insulated Glass, Add	*41.64*	
		For Tempered Clear Insulated Glass, Add	*69.40*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	512.16	73.40
		For Low-E Insulated Glass, Add	*43.84*	
		For Tempered Clear Insulated Glass, Add	*73.07*	

08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	475.33	69.17
		For Low-E Insulated Glass, Add	*40.44*	
		For Tempered Clear Insulated Glass, Add	*67.40*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	501.00	71.99
		For Low-E Insulated Glass, Add	*42.84*	
		For Tempered Clear Insulated Glass, Add	*71.40*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	524.99	74.81
		For Low-E Insulated Glass, Add	*45.04*	
		For Tempered Clear Insulated Glass, Add	*75.07*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	548.99	77.63
		For Low-E Insulated Glass, Add	*47.25*	
		For Tempered Clear Insulated Glass, Add	*78.74*	

08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	512.16	73.40
		For Low-E Insulated Glass, Add	*43.84*	
		For Tempered Clear Insulated Glass, Add	*73.07*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	536.16	76.22
		For Low-E Insulated Glass, Add	*46.05*	
		For Tempered Clear Insulated Glass, Add	*76.74*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	561.82	79.05
		For Low-E Insulated Glass, Add	*48.45*	
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	585.82	81.87
		For Low-E Insulated Glass, Add	*50.65*	
		For Tempered Clear Insulated Glass, Add	*84.42*	

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	548.99	77.63
		For Low-E Insulated Glass, Add	*47.25*	
		For Tempered Clear Insulated Glass, Add	*78.74*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	572.98	80.46
		For Low-E Insulated Glass, Add	*49.45*	
		For Tempered Clear Insulated Glass, Add	*82.41*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	596.98	83.28
		For Low-E Insulated Glass, Add	*51.65*	
		For Tempered Clear Insulated Glass, Add	*86.08*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	622.65	86.10
		For Low-E Insulated Glass, Add	*54.05*	
		For Tempered Clear Insulated Glass, Add	*90.09*	

08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	542.57	77.63
		For Low-E Insulated Glass, Add	*46.65*	
		For Tempered Clear Insulated Glass, Add	*77.74*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	566.57	79.75
		For Low-E Insulated Glass, Add	*48.85*	
		For Tempered Clear Insulated Glass, Add	*81.41*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	592.23	83.28
		For Low-E Insulated Glass, Add	*51.25*	
		For Tempered Clear Insulated Glass, Add	*85.42*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	616.24	86.10
		For Low-E Insulated Glass, Add	*53.45*	
		For Tempered Clear Insulated Glass, Add	*89.09*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	640.23	88.93
		For Low-E Insulated Glass, Add	*55.65*	
		For Tempered Clear Insulated Glass, Add	*92.76*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	664.23	91.75
		For Low-E Insulated Glass, Add	*57.86*	
		For Tempered Clear Insulated Glass, Add	*96.43*	

08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0031	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	561.82	79.05
		For Low-E Insulated Glass, Add	*48.45*	
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	585.82	81.87
		For Low-E Insulated Glass, Add	*50.65*	
		For Tempered Clear Insulated Glass, Add	*84.42*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.81	84.69
		For Low-E Insulated Glass, Add	*52.85*	
		For Tempered Clear Insulated Glass, Add	*88.09*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	633.81	87.52
		For Low-E Insulated Glass, Add	*55.05*	
		For Tempered Clear Insulated Glass, Add	*91.76*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	657.81	90.34
		For Low-E Insulated Glass, Add	*57.26*	
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	683.47	93.16
		For Low-E Insulated Glass, Add	*59.66*	
		For Tempered Clear Insulated Glass, Add	*99.43*	

08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	622.65	86.10
		For Low-E Insulated Glass, Add	*54.05*	
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	646.64	88.93
		For Low-E Insulated Glass, Add	*56.25*	
		For Tempered Clear Insulated Glass, Add	*93.76*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	670.64	91.75
		For Low-E Insulated Glass, Add	*58.46*	
		For Tempered Clear Insulated Glass, Add	*97.43*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	694.64	94.57
		For Low-E Insulated Glass, Add	*60.66*	
		For Tempered Clear Insulated Glass, Add	*101.10*	

08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	657.81	90.34
		For Low-E Insulated Glass, Add	*57.26*	
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	683.47	93.16
		For Low-E Insulated Glass, Add	*59.66*	
		For Tempered Clear Insulated Glass, Add	*99.43*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	707.47	95.98
		For Low-E Insulated Glass, Add	*61.86*	
		For Tempered Clear Insulated Glass, Add	*103.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	731.47	98.81
		For Low-E Insulated Glass, Add	*64.06*	
		For Tempered Clear Insulated Glass, Add	*106.77*	

08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	537.18	64.93
		For Tempered Low-E Insulated Glass, Add	*81.75*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	569.53	67.05
		For Tempered Low-E Insulated Glass, Add	*87.09*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	603.53	69.87
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.36	71.99
		For Tempered Low-E Insulated Glass, Add	*95.76*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	637.54	73.40
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	653.70	74.81
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	671.54	75.52
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.88	78.34
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.16
		For Tempered Low-E Insulated Glass, Add	*115.11*	

08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	569.53	67.75
		For Tempered Low-E Insulated Glass, Add	*87.09*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	603.53	69.87
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	637.54	72.69
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	653.70	74.81
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	671.54	76.22
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	687.72	77.63
		For Tempered Low-E Insulated Glass, Add	*106.77*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.88	78.34
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.16
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	83.99
		For Tempered Low-E Insulated Glass, Add	*120.78*	

08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	603.53	70.58
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	637.54	72.69
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	671.54	75.52
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	687.72	77.63
		For Tempered Low-E Insulated Glass, Add	*106.77*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.88	79.05
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	721.72	80.46
		For Tempered Low-E Insulated Glass, Add	*112.44*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.16
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	83.99
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	86.81
		For Tempered Low-E Insulated Glass, Add	*126.46*	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	637.54	73.40
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	671.54	75.52
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.88	78.34
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	721.72	80.46
		For Tempered Low-E Insulated Glass, Add	*112.44*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.87
		For Tempered Low-E Insulated Glass, Add	*115.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	754.06	83.28
		For Tempered Low-E Insulated Glass, Add	*117.78*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	83.99
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	86.81
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	89.63
		For Tempered Low-E Insulated Glass, Add	*131.80*	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	671.54	76.22
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.88	78.34
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.16
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	754.06	83.28
		For Tempered Low-E Insulated Glass, Add	*117.78*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	84.69
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	788.07	86.10
		For Tempered Low-E Insulated Glass, Add	*123.45*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	86.81
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	89.63
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	92.46
		For Tempered Low-E Insulated Glass, Add	*137.47*	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	703.88	79.05
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.16
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	83.99
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	788.07	86.10
		For Tempered Low-E Insulated Glass, Add	*123.45*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	87.52
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	822.07	88.93
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	89.63
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	92.46
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	906.26	95.28
		For Tempered Low-E Insulated Glass, Add	*143.14*	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	737.89	81.87
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	83.99
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	86.81
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	822.07	88.93
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	90.34
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	856.08	91.75
		For Tempered Low-E Insulated Glass, Add	*134.80*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	92.46
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	906.26	95.28
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	938.59	98.10
		For Tempered Low-E Insulated Glass, Add	*148.48*	

08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	771.89	84.69
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	86.81
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	89.63
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	856.08	91.75
		For Tempered Low-E Insulated Glass, Add	*134.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	93.16
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	888.42	94.57
		For Tempered Low-E Insulated Glass, Add	*140.14*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	906.26	95.28
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	938.59	98.10
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	972.60	100.92
		For Tempered Low-E Insulated Glass, Add	*154.15*	

08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.91	87.52
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	89.63
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	92.46
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	888.42	94.57
		For Tempered Low-E Insulated Glass, Add	*140.14*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	906.26	95.98
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	922.43	97.40
		For Tempered Low-E Insulated Glass, Add	*145.81*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	938.59	98.10
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	972.60	100.92
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,006.62	103.75
		For Tempered Low-E Insulated Glass, Add	*159.82*	

08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	838.24	90.34
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	92.46
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	906.26	95.28
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	922.43	97.40
		For Tempered Low-E Insulated Glass, Add	*145.81*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	938.59	98.81
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	956.44	100.22
		For Tempered Low-E Insulated Glass, Add	*151.48*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	972.60	100.92
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,006.62	103.75
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,040.62	106.57
		For Tempered Low-E Insulated Glass, Add	*165.50*	

08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	872.25	93.16
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	906.26	95.28
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	938.59	98.10
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	956.44	100.22
		For Tempered Low-E Insulated Glass, Add	*151.48*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	972.60	101.63
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.44	103.04
		For Tempered Low-E Insulated Glass, Add	*157.15*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,006.62	103.75
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,040.62	106.57
		For Tempered Low-E Insulated Glass, Add	*165.50*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,072.96	109.39
		For Tempered Low-E Insulated Glass, Add	*170.83*	

08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,335.65	98.81
		For Tempered Low-E Insulated Glass, Add	*227.89*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,383.01	100.92
		For Tempered Low-E Insulated Glass, Add	*236.23*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,430.36	103.75
		For Tempered Low-E Insulated Glass, Add	*244.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,453.20	105.86
		For Tempered Low-E Insulated Glass, Add	*248.58*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,477.71	107.28
		For Tempered Low-E Insulated Glass, Add	*252.91*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,500.55	108.69
		For Tempered Low-E Insulated Glass, Add	*256.92*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,523.40	109.39
		For Tempered Low-E Insulated Glass, Add	*260.92*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,570.75	112.22
		For Tempered Low-E Insulated Glass, Add	*269.26*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,618.11	115.04
		For Tempered Low-E Insulated Glass, Add	*277.61*	

08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,383.01	101.63
		For Tempered Low-E Insulated Glass, Add	*236.23*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,430.36	103.75
		For Tempered Low-E Insulated Glass, Add	*244.57*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,477.71	106.57
		For Tempered Low-E Insulated Glass, Add	*252.91*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,500.55	108.69
		For Tempered Low-E Insulated Glass, Add	*256.92*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,523.40	110.10
		For Tempered Low-E Insulated Glass, Add	*260.92*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,547.91	111.51
		For Tempered Low-E Insulated Glass, Add	*265.26*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,570.75	112.22
		For Tempered Low-E Insulated Glass, Add	*269.26*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,618.11	115.04
		For Tempered Low-E Insulated Glass, Add	*277.61*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,665.46	117.86
		For Tempered Low-E Insulated Glass, Add	*285.95*	

08 52 16 00-0178 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	470.60	53.64
		For Tempered Clear Insulated Glass, Add	*72.95*	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	497.47	55.05
		For Tempered Clear Insulated Glass, Add	*77.47*	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	527.64	57.87
		For Tempered Clear Insulated Glass, Add	*82.38*	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	555.50	60.70
		For Tempered Clear Insulated Glass, Add	*86.82*	

08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	504.54	56.46
		For Tempered Clear Insulated Glass, Add	*78.61*	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	531.41	57.87
		For Tempered Clear Insulated Glass, Add	*83.13*	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	561.56	60.70
		For Tempered Clear Insulated Glass, Add	*88.03*	
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	576.90	63.52
		For Tempered Clear Insulated Glass, Add	*89.97*	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	611.52	66.34
		For Tempered Clear Insulated Glass, Add	*96.05*	

08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	565.33	60.70
		For Tempered Clear Insulated Glass, Add	*88.79*	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	594.09	63.52
		For Tempered Clear Insulated Glass, Add	*93.69*	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	624.24	65.64
		For Tempered Clear Insulated Glass, Add	*98.59*	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	671.38	68.46
		For Tempered Clear Insulated Glass, Add	*106.89*	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	716.09	70.58
		For Tempered Clear Insulated Glass, Add	*114.99*	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	759.52	71.99
		For Tempered Clear Insulated Glass, Add	*123.11*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
08 52 16 00-0199		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	606.34	64.93
		For Tempered Clear Insulated Glass, Add	*95.58*	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	633.19	66.34
		For Tempered Clear Insulated Glass, Add	*100.10*	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	663.36	69.17
		For Tempered Clear Insulated Glass, Add	*105.01*	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	731.24	71.99
		For Tempered Clear Insulated Glass, Add	*117.45*	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	778.05	74.81
		For Tempered Clear Insulated Glass, Add	*125.97*	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	822.20	77.63
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0206		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	664.77	70.58
		For Tempered Clear Insulated Glass, Add	*105.01*	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	693.52	71.99
		For Tempered Clear Insulated Glass, Add	*109.91*	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	723.68	74.81
		For Tempered Clear Insulated Glass, Add	*114.81*	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	817.00	77.63
		For Tempered Clear Insulated Glass, Add	*132.35*	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	853.79	80.46
		For Tempered Clear Insulated Glass, Add	*138.86*	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	908.92	83.28
		For Tempered Clear Insulated Glass, Add	*148.75*	
08 52 16 00-0213		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	704.36	73.40
		For Tempered Clear Insulated Glass, Add	*111.79*	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	731.22	74.81
		For Tempered Clear Insulated Glass, Add	*116.32*	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	761.39	77.63
		For Tempered Clear Insulated Glass, Add	*121.22*	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	876.40	80.46
		For Tempered Clear Insulated Glass, Add	*143.10*	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	931.05	83.28
		For Tempered Clear Insulated Glass, Add	*153.18*	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	967.37	86.10
		For Tempered Clear Insulated Glass, Add	*159.31*	
08 52 16 00-0220		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	761.39	77.63
		For Tempered Clear Insulated Glass, Add	*121.22*	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	790.13	80.46
		For Tempered Clear Insulated Glass, Add	*126.13*	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	820.29	82.57
		For Tempered Clear Insulated Glass, Add	*131.03*	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	961.72	85.40
		For Tempered Clear Insulated Glass, Add	*158.18*	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,000.61	87.52
		For Tempered Clear Insulated Glass, Add	*165.12*	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,052.68	90.34
		For Tempered Clear Insulated Glass, Add	*174.40*	
08 52 16 00-0227		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	802.39	81.87
		For Tempered Clear Insulated Glass, Add	*128.01*	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	829.25	83.28
		For Tempered Clear Insulated Glass, Add	*132.54*	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	859.41	86.10
		For Tempered Clear Insulated Glass, Add	*137.44*	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,021.57	88.93
		For Tempered Clear Insulated Glass, Add	*168.74*	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,057.79	91.75
		For Tempered Clear Insulated Glass, Add	*175.14*	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,112.53	94.57
		For Tempered Clear Insulated Glass, Add	*184.96*	
08 52 16 00-0234		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	859.41	86.10
		For Tempered Clear Insulated Glass, Add	*137.44*	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	888.16	88.93
		For Tempered Clear Insulated Glass, Add	*142.34*	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	918.32	91.04
		For Tempered Clear Insulated Glass, Add	*147.25*	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,106.88	93.87
		For Tempered Clear Insulated Glass, Add	*183.83*	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,151.22	95.98
		For Tempered Clear Insulated Glass, Add	*191.85*	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,197.84	98.81
		For Tempered Clear Insulated Glass, Add	*200.05*	

08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	836.74	69.17
		For Tempered Clear Insulated Glass, Add	*139.68*	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	950.14	74.81
		For Tempered Clear Insulated Glass, Add	*160.10*	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,081.31	80.46
		For Tempered Clear Insulated Glass, Add	*184.08*	

08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	902.23	71.99
		For Tempered Clear Insulated Glass, Add	*151.65*	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,015.63	77.63
		For Tempered Clear Insulated Glass, Add	*172.07*	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,146.80	83.28
		For Tempered Clear Insulated Glass, Add	*196.05*	

08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	894.21	71.99
		For Tempered Clear Insulated Glass, Add	*150.05*	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,009.69	77.63
		For Tempered Clear Insulated Glass, Add	*171.17*	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,130.35	83.28
		For Tempered Clear Insulated Glass, Add	*193.04*	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,269.87	88.22
		For Tempered Clear Insulated Glass, Add	*218.69*	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,363.44	92.46
		For Tempered Clear Insulated Glass, Add	*235.71*	
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,519.21	98.81
		For Tempered Clear Insulated Glass, Add	*264.32*	

08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	974.80	75.52
		For Tempered Clear Insulated Glass, Add	*164.75*	
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,090.28	80.46
		For Tempered Clear Insulated Glass, Add	*185.87*	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,210.95	86.10
		For Tempered Clear Insulated Glass, Add	*207.75*	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,350.47	91.75
		For Tempered Clear Insulated Glass, Add	*233.39*	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,454.04	95.98
		For Tempered Clear Insulated Glass, Add	*252.41*	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,888.33	102.34
		For Tempered Clear Insulated Glass, Add	*336.73*	

08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,093.59	81.16
		For Tempered Clear Insulated Glass, Add	*186.25*	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,210.95	86.10
		For Tempered Clear Insulated Glass, Add	*207.75*	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,331.62	91.75
		For Tempered Clear Insulated Glass, Add	*229.62*	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,471.14	97.40
		For Tempered Clear Insulated Glass, Add	*255.27*	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,570.36	101.63
		For Tempered Clear Insulated Glass, Add	*273.42*	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,720.48	107.98
		For Tempered Clear Insulated Glass, Add	*300.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0271		**52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,172.77	83.99
		For Tempered Clear Insulated Glass, Add	*200.96*	
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,288.25	88.93
		For Tempered Clear Insulated Glass, Add	*222.08*	
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,394.93	94.57
		For Tempered Clear Insulated Glass, Add	*241.16*	
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,548.44	100.22
		For Tempered Clear Insulated Glass, Add	*269.60*	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,652.39	104.45
		For Tempered Clear Insulated Glass, Add	*288.70*	
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,799.67	110.81
		For Tempered Clear Insulated Glass, Add	*315.61*	
08 52 16 00-0278		**59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,290.14	88.93
		For Tempered Clear Insulated Glass, Add	*222.46*	
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,405.62	94.57
		For Tempered Clear Insulated Glass, Add	*243.58*	
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,526.29	100.22
		For Tempered Clear Insulated Glass, Add	*265.45*	
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,665.81	105.16
		For Tempered Clear Insulated Glass, Add	*291.10*	
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,769.76	109.39
		For Tempered Clear Insulated Glass, Add	*310.19*	
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,915.15	115.75
		For Tempered Clear Insulated Glass, Add	*336.73*	
08 52 16 00-0285		**64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,370.74	92.46
		For Tempered Clear Insulated Glass, Add	*237.17*	
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,486.22	97.40
		For Tempered Clear Insulated Glass, Add	*258.29*	
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,608.77	103.04
		For Tempered Clear Insulated Glass, Add	*280.54*	
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,748.30	108.69
		For Tempered Clear Insulated Glass, Add	*306.18*	
08 52 16 00-0290		**71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,488.11	97.40
		For Tempered Clear Insulated Glass, Add	*258.66*	
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,603.59	103.04
		For Tempered Clear Insulated Glass, Add	*279.78*	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,724.25	108.69
		For Tempered Clear Insulated Glass, Add	*301.66*	
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,863.78	113.63
		For Tempered Clear Insulated Glass, Add	*327.30*	
08 52 16 00-0295		**One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0179)*		
08 52 16 00-0296		**24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,322.82	91.04
		For Tempered Clear Insulated Glass, Add	*228.15*	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,537.49	100.22
		For Tempered Clear Insulated Glass, Add	*267.41*	
08 52 16 00-0299		**28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,403.16	93.87
		For Tempered Clear Insulated Glass, Add	*243.09*	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,603.83	103.04
		For Tempered Clear Insulated Glass, Add	*279.55*	
08 52 16 00-0302		**35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,350.86	91.75
		For Tempered Clear Insulated Glass, Add	*233.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,522.99	98.81
		For Tempered Clear Insulated Glass, Add	*265.08*	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,735.57	108.69
		For Tempered Clear Insulated Glass, Add	*303.92*	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,427.62	95.98
		For Tempered Clear Insulated Glass, Add	*247.41*	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,605.47	102.34
		For Tempered Clear Insulated Glass, Add	*280.16*	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,816.17	111.51
		For Tempered Clear Insulated Glass, Add	*318.63*	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,724.25	107.98
		For Tempered Clear Insulated Glass, Add	*301.66*	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,934.95	117.16
		For Tempered Clear Insulated Glass, Add	*340.13*	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,803.44	110.81
		For Tempered Clear Insulated Glass, Add	*316.37*	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,014.14	119.98
		For Tempered Clear Insulated Glass, Add	*354.84*	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,918.93	115.75
		For Tempered Clear Insulated Glass, Add	*337.49*	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,131.51	125.63
		For Tempered Clear Insulated Glass, Add	*376.33*	
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0178)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	558.29	53.64
		For Tempered Low-E Insulated Glass, Add	*90.49*	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	590.81	55.05
		For Tempered Low-E Insulated Glass, Add	*96.14*	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	627.11	57.87
		For Tempered Low-E Insulated Glass, Add	*102.27*	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	660.53	60.70
		For Tempered Low-E Insulated Glass, Add	*107.83*	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	599.30	56.46
		For Tempered Low-E Insulated Glass, Add	*97.56*	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	631.82	57.87
		For Tempered Low-E Insulated Glass, Add	*103.21*	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	668.11	60.70
		For Tempered Low-E Insulated Glass, Add	*109.34*	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	685.87	63.52
		For Tempered Low-E Insulated Glass, Add	*111.77*	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	728.08	66.34
		For Tempered Low-E Insulated Glass, Add	*119.36*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0332			**35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0320)*		
	08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	672.82	60.70
			For Tempered Low-E Insulated Glass, Add	*110.29*	
	08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	707.70	63.52
			For Tempered Low-E Insulated Glass, Add	*116.41*	
	08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	743.99	65.64
			For Tempered Low-E Insulated Glass, Add	*122.54*	
	08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	801.49	68.46
			For Tempered Low-E Insulated Glass, Add	*132.91*	
	08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	856.33	70.58
			For Tempered Low-E Insulated Glass, Add	*143.04*	
	08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	909.91	71.99
			For Tempered Low-E Insulated Glass, Add	*153.19*	
08 52 16 00-0339			**40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0320)*		
	08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	722.31	64.93
			For Tempered Low-E Insulated Glass, Add	*118.77*	
	08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	754.82	66.34
			For Tempered Low-E Insulated Glass, Add	*124.43*	
	08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	791.12	69.17
			For Tempered Low-E Insulated Glass, Add	*130.56*	
	08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	874.55	71.99
			For Tempered Low-E Insulated Glass, Add	*146.11*	
	08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	932.01	74.81
			For Tempered Low-E Insulated Glass, Add	*156.76*	
	08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	985.79	77.63
			For Tempered Low-E Insulated Glass, Add	*166.39*	
08 52 16 00-0346			**48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0320)*		
	08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	792.53	70.58
			For Tempered Low-E Insulated Glass, Add	*130.56*	
	08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	827.41	71.99
			For Tempered Low-E Insulated Glass, Add	*136.69*	
	08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	863.69	74.81
			For Tempered Low-E Insulated Glass, Add	*142.81*	
	08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	978.94	77.63
			For Tempered Low-E Insulated Glass, Add	*164.73*	
	08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,023.87	80.46
			For Tempered Low-E Insulated Glass, Add	*172.87*	
	08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,091.37	83.28
			For Tempered Low-E Insulated Glass, Add	*185.24*	
08 52 16 00-0353			**52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0320)*		
	08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	840.61	73.40
			For Tempered Low-E Insulated Glass, Add	*139.04*	
	08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	873.12	74.81
			For Tempered Low-E Insulated Glass, Add	*144.70*	
	08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	909.42	77.63
			For Tempered Low-E Insulated Glass, Add	*150.83*	
	08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,051.77	80.46
			For Tempered Low-E Insulated Glass, Add	*178.17*	
	08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,119.03	83.28
			For Tempered Low-E Insulated Glass, Add	*190.78*	
	08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,163.02	86.10
			For Tempered Low-E Insulated Glass, Add	*198.44*	
08 52 16 00-0360			**59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0320)*		
	08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	909.42	77.63
			For Tempered Low-E Insulated Glass, Add	*150.83*	
	08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	944.29	80.46
			For Tempered Low-E Insulated Glass, Add	*156.96*	
	08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	980.58	82.57
			For Tempered Low-E Insulated Glass, Add	*163.09*	
	08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,155.95	85.40
			For Tempered Low-E Insulated Glass, Add	*197.03*	
	08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,203.50	87.52
			For Tempered Low-E Insulated Glass, Add	*205.69*	
	08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,267.19	90.34
			For Tempered Low-E Insulated Glass, Add	*217.30*	
08 52 16 00-0367			**64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0320)*		
	08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	958.90	81.87
			For Tempered Low-E Insulated Glass, Add	*159.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	991.42	83.28
		For Tempered Low-E Insulated Glass, Add	*164.97*	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,027.71	86.10
		For Tempered Low-E Insulated Glass, Add	*171.10*	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,229.00	88.93
		For Tempered Low-E Insulated Glass, Add	*210.23*	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,273.22	91.75
		For Tempered Low-E Insulated Glass, Add	*218.23*	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,340.24	94.57
		For Tempered Low-E Insulated Glass, Add	*230.50*	

08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*

08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,027.71	86.10
		For Tempered Low-E Insulated Glass, Add	*171.10*	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,062.59	88.93
		For Tempered Low-E Insulated Glass, Add	*177.23*	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,098.88	91.04
		For Tempered Low-E Insulated Glass, Add	*183.36*	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,333.16	93.87
		For Tempered Low-E Insulated Glass, Add	*229.09*	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,387.53	95.98
		For Tempered Low-E Insulated Glass, Add	*239.11*	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,444.40	98.81
		For Tempered Low-E Insulated Glass, Add	*249.36*	

08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*

08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,004.34	69.17
		For Tempered Low-E Insulated Glass, Add	*173.20*	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,143.27	74.81
		For Tempered Low-E Insulated Glass, Add	*198.73*	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,304.41	80.46
		For Tempered Low-E Insulated Glass, Add	*228.70*	

08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0387	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,084.79	71.99
		For Tempered Low-E Insulated Glass, Add	*188.16*	
08 52 16 00-0388	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,223.73	77.63
		For Tempered Low-E Insulated Glass, Add	*213.69*	
08 52 16 00-0389	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,384.86	83.28
		For Tempered Low-E Insulated Glass, Add	*243.66*	

08 52 16 00-0390 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,074.77	71.99
		For Tempered Low-E Insulated Glass, Add	*186.16*	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,216.65	77.63
		For Tempered Low-E Insulated Glass, Add	*212.56*	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,364.65	83.28
		For Tempered Low-E Insulated Glass, Add	*239.90*	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,536.23	88.22
		For Tempered Low-E Insulated Glass, Add	*271.96*	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,651.07	92.46
		For Tempered Low-E Insulated Glass, Add	*293.23*	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,842.62	98.81
		For Tempered Low-E Insulated Glass, Add	*329.00*	

08 52 16 00-0397 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,173.75	75.52
		For Tempered Low-E Insulated Glass, Add	*204.54*	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,315.63	80.46
		For Tempered Low-E Insulated Glass, Add	*230.94*	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,463.64	86.10
		For Tempered Low-E Insulated Glass, Add	*258.29*	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,635.22	91.75
		For Tempered Low-E Insulated Glass, Add	*290.34*	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,762.56	95.98
		For Tempered Low-E Insulated Glass, Add	*314.12*	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,302.25	102.34
		For Tempered Low-E Insulated Glass, Add	*419.52*	

08 52 16 00-0404 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,319.40	81.16
		For Tempered Low-E Insulated Glass, Add	*231.41*	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,463.64	86.10
		For Tempered Low-E Insulated Glass, Add	*258.29*	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,611.65	91.75
		For Tempered Low-E Insulated Glass, Add	*285.63*	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,783.22	97.40
		For Tempered Low-E Insulated Glass, Add	*317.69*	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,905.14	101.63
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,089.61	107.98
		For Tempered Low-E Insulated Glass, Add	*374.73*	

08 52 16 00-0411 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,416.97	83.99
		For Tempered Low-E Insulated Glass, Add	*249.80*	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,558.85	88.93
		For Tempered Low-E Insulated Glass, Add	*276.20*	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.87	94.57
		For Tempered Low-E Insulated Glass, Add	*300.74*	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,878.45	100.22
		For Tempered Low-E Insulated Glass, Add	*335.60*	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,006.27	104.45
		For Tempered Low-E Insulated Glass, Add	*359.47*	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,187.19	110.81
		For Tempered Low-E Insulated Glass, Add	*393.12*	

08 52 16 00-0418 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,561.21	88.93
		For Tempered Low-E Insulated Glass, Add	*276.67*	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,703.09	94.57
		For Tempered Low-E Insulated Glass, Add	*303.07*	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,851.11	100.22
		For Tempered Low-E Insulated Glass, Add	*330.42*	
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,022.68	105.16
		For Tempered Low-E Insulated Glass, Add	*362.47*	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,150.51	109.39
		For Tempered Low-E Insulated Glass, Add	*386.34*	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,329.07	115.75
		For Tempered Low-E Insulated Glass, Add	*419.52*	

08 52 16 00-0425 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,660.20	92.46
		For Tempered Low-E Insulated Glass, Add	*295.06*	
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,802.08	97.40
		For Tempered Low-E Insulated Glass, Add	*321.46*	
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,952.44	103.04
		For Tempered Low-E Insulated Glass, Add	*349.27*	
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,124.03	108.69
		For Tempered Low-E Insulated Glass, Add	*381.33*	

08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,804.44	97.40
		For Tempered Low-E Insulated Glass, Add	*321.93*	
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,946.32	103.04
		For Tempered Low-E Insulated Glass, Add	*348.33*	
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,094.33	108.69
		For Tempered Low-E Insulated Glass, Add	*375.67*	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,265.91	113.63
		For Tempered Low-E Insulated Glass, Add	*407.73*	

08 52 16 00-0435 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*

08 52 16 00-0436 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,604.51	91.04
		For Tempered Low-E Insulated Glass, Add	*284.48*	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,864.75	100.22
		For Tempered Low-E Insulated Glass, Add	*332.86*	

08 52 16 00-0439 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,700.02	93.87
		For Tempered Low-E Insulated Glass, Add	*302.46*	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,946.27	103.04
		For Tempered Low-E Insulated Glass, Add	*348.04*	
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,635.70	91.75
		For Tempered Low-E Insulated Glass, Add	*290.44*	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,847.33	98.81
		For Tempered Low-E Insulated Glass, Add	*329.94*	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,108.47	108.69
		For Tempered Low-E Insulated Glass, Add	*378.50*	
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,729.88	95.98
		For Tempered Low-E Insulated Glass, Add	*307.86*	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,948.68	102.34
		For Tempered Low-E Insulated Glass, Add	*348.80*	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,207.46	111.51
		For Tempered Low-E Insulated Glass, Add	*396.89*	
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,094.33	107.98
		For Tempered Low-E Insulated Glass, Add	*375.67*	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,353.11	117.16
		For Tempered Low-E Insulated Glass, Add	*423.76*	
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,191.90	110.81
		For Tempered Low-E Insulated Glass, Add	*394.06*	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,450.69	119.98
		For Tempered Low-E Insulated Glass, Add	*442.15*	
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,333.79	115.75
		For Tempered Low-E Insulated Glass, Add	*420.46*	
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,594.92	125.63
		For Tempered Low-E Insulated Glass, Add	*469.02*	
08 52 16 00-0459		Awning Wood Clad Windows *(08 52 16)* Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0459)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0462		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	509.65	57.87
		For Tempered Clear Insulated Glass, Add	*78.78*	
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	545.46	60.70
		For Tempered Clear Insulated Glass, Add	*84.81*	
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	574.77	62.81
		For Tempered Clear Insulated Glass, Add	*89.83*	
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	611.92	65.64
		For Tempered Clear Insulated Glass, Add	*96.13*	
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	654.81	69.17
		For Tempered Clear Insulated Glass, Add	*103.30*	
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	720.78	74.81
		For Tempered Clear Insulated Glass, Add	*114.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	762.26	77.63
		For Tempered Clear Insulated Glass, Add	*121.40*	
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	823.05	83.28
		For Tempered Clear Insulated Glass, Add	*131.58*	
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	846.25	86.10
		For Tempered Clear Insulated Glass, Add	*134.81*	
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	906.40	91.04
		For Tempered Clear Insulated Glass, Add	*144.86*	

08 52 16 00-0473 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0474	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	537.44	60.70
		For Tempered Clear Insulated Glass, Add	*83.49*	
08 52 16 00-0475	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	576.10	63.52
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0476	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	601.39	64.93
		For Tempered Clear Insulated Glass, Add	*94.31*	
08 52 16 00-0477	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	642.56	67.75
		For Tempered Clear Insulated Glass, Add	*101.41*	
08 52 16 00-0478	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	685.44	71.99
		For Tempered Clear Insulated Glass, Add	*108.58*	
08 52 16 00-0479	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	749.54	76.93
		For Tempered Clear Insulated Glass, Add	*119.14*	
08 52 16 00-0480	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	791.00	80.46
		For Tempered Clear Insulated Glass, Add	*126.30*	
08 52 16 00-0481	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	853.69	84.69
		For Tempered Clear Insulated Glass, Add	*136.86*	
08 52 16 00-0482	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	874.69	88.93
		For Tempered Clear Insulated Glass, Add	*139.65*	
08 52 16 00-0483	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	936.70	93.16
		For Tempered Clear Insulated Glass, Add	*150.08*	
08 52 16 00-0484	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,433.95	103.04
		For Tempered Clear Insulated Glass, Add	*245.86*	

08 52 16 00-0485 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0486	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	572.33	63.52
		For Tempered Clear Insulated Glass, Add	*89.34*	
08 52 16 00-0487	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	608.14	66.34
		For Tempered Clear Insulated Glass, Add	*95.37*	
08 52 16 00-0488	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	632.63	67.75
		For Tempered Clear Insulated Glass, Add	*99.42*	
08 52 16 00-0489	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	674.60	70.58
		For Tempered Clear Insulated Glass, Add	*106.69*	
08 52 16 00-0490	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	717.49	74.81
		For Tempered Clear Insulated Glass, Add	*113.86*	
08 52 16 00-0491	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	783.46	79.75
		For Tempered Clear Insulated Glass, Add	*124.79*	
08 52 16 00-0492	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	824.94	83.28
		For Tempered Clear Insulated Glass, Add	*131.96*	
08 52 16 00-0493	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	887.62	87.52
		For Tempered Clear Insulated Glass, Add	*142.52*	
08 52 16 00-0494	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	906.40	91.75
		For Tempered Clear Insulated Glass, Add	*144.86*	
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	966.48	95.98
		For Tempered Clear Insulated Glass, Add	*154.90*	
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,508.37	105.86
		For Tempered Clear Insulated Glass, Add	*259.61*	

08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	572.32	66.34
		For Tempered Clear Insulated Glass, Add	*88.21*	
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.00	69.17
		For Tempered Clear Insulated Glass, Add	*98.02*	
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	662.26	70.58
		For Tempered Clear Insulated Glass, Add	*104.22*	
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	727.39	73.40
		For Tempered Clear Insulated Glass, Add	*116.12*	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	792.91	77.63
		For Tempered Clear Insulated Glass, Add	*127.81*	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	889.06	82.57
		For Tempered Clear Insulated Glass, Add	*144.78*	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	951.28	86.10
		For Tempered Clear Insulated Glass, Add	*156.10*	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,046.02	90.34
		For Tempered Clear Insulated Glass, Add	*173.07*	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,081.47	94.57
		For Tempered Clear Insulated Glass, Add	*178.75*	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,173.27	98.81
		For Tempered Clear Insulated Glass, Add	*195.13*	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,549.34	108.69
		For Tempered Clear Insulated Glass, Add	*266.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0509		31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	662.26	70.58
		For Tempered Clear Insulated Glass, Add	*104.22*	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	700.08	72.69
		For Tempered Clear Insulated Glass, Add	*110.94*	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	752.10	75.52
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	810.34	79.05
		For Tempered Clear Insulated Glass, Add	*130.45*	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	895.20	84.69
		For Tempered Clear Insulated Glass, Add	*145.16*	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	953.62	87.52
		For Tempered Clear Insulated Glass, Add	*155.72*	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,037.07	93.16
		For Tempered Clear Insulated Glass, Add	*170.43*	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,095.31	95.98
		For Tempered Clear Insulated Glass, Add	*180.67*	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,180.35	100.92
		For Tempered Clear Insulated Glass, Add	*195.70*	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,650.82	110.10
		For Tempered Clear Insulated Glass, Add	*286.12*	
08 52 16 00-0520		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	752.10	75.52
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	825.90	78.34
		For Tempered Clear Insulated Glass, Add	*133.84*	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	891.42	81.87
		For Tempered Clear Insulated Glass, Add	*145.54*	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	987.56	87.52
		For Tempered Clear Insulated Glass, Add	*162.51*	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,051.67	90.34
		For Tempered Clear Insulated Glass, Add	*174.20*	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,144.52	95.98
		For Tempered Clear Insulated Glass, Add	*190.79*	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,003.84	98.81
		For Tempered Clear Insulated Glass, Add	*161.25*	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,077.04	103.75
		For Tempered Clear Insulated Glass, Add	*173.91*	
08 52 16 00-0529		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	880.10	81.87
		For Tempered Clear Insulated Glass, Add	*143.27*	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	988.99	86.10
		For Tempered Clear Insulated Glass, Add	*163.64*	
08 52 16 00-0532		48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,044.14	87.52
		For Tempered Clear Insulated Glass, Add	*173.82*	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,154.91	91.75
		For Tempered Clear Insulated Glass, Add	*194.56*	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,317.06	96.69
		For Tempered Clear Insulated Glass, Add	*224.74*	
08 52 16 00-0536		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,289.32	95.28
		For Tempered Clear Insulated Glass, Add	*219.75*	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,386.43	98.81
		For Tempered Clear Insulated Glass, Add	*237.76*	
08 52 16 00-0539		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,407.81	95.98
		For Tempered Clear Insulated Glass, Add	*243.17*	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,457.72	103.75
		For Tempered Clear Insulated Glass, Add	*250.04*	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,611.28	107.28
		For Tempered Clear Insulated Glass, Add	*279.35*	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,768.74	112.92
		For Tempered Clear Insulated Glass, Add	*308.58*	
08 52 16 00-0544		Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0545 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)
(08 52 16 00-0544)

08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	451.20	57.87
		For Tempered Clear Insulated Glass, Add	*67.09*	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	485.12	60.70
		For Tempered Clear Insulated Glass, Add	*72.75*	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	507.60	62.81
		For Tempered Clear Insulated Glass, Add	*76.39*	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	544.03	65.64
		For Tempered Clear Insulated Glass, Add	*82.55*	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	583.15	69.17
		For Tempered Clear Insulated Glass, Add	*88.96*	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	643.47	74.81
		For Tempered Clear Insulated Glass, Add	*98.77*	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	679.29	77.63
		For Tempered Clear Insulated Glass, Add	*104.80*	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	736.31	83.28
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	775.43	86.10
		For Tempered Clear Insulated Glass, Add	*120.64*	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	832.45	91.04
		For Tempered Clear Insulated Glass, Add	*130.07*	

08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	478.05	60.70
		For Tempered Clear Insulated Glass, Add	*71.61*	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	511.99	63.52
		For Tempered Clear Insulated Glass, Add	*77.27*	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	532.62	64.93
		For Tempered Clear Insulated Glass, Add	*80.55*	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	572.78	67.75
		For Tempered Clear Insulated Glass, Add	*87.45*	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	611.89	71.99
		For Tempered Clear Insulated Glass, Add	*93.87*	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	670.34	76.93
		For Tempered Clear Insulated Glass, Add	*103.30*	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	708.03	80.46
		For Tempered Clear Insulated Glass, Add	*109.71*	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	763.17	84.69
		For Tempered Clear Insulated Glass, Add	*118.76*	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	804.17	88.93
		For Tempered Clear Insulated Glass, Add	*125.55*	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	859.31	93.16
		For Tempered Clear Insulated Glass, Add	*134.60*	

08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	508.22	63.52
		For Tempered Clear Insulated Glass, Add	*76.52*	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	542.14	66.34
		For Tempered Clear Insulated Glass, Add	*82.17*	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	560.66	67.75
		For Tempered Clear Insulated Glass, Add	*85.03*	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	601.05	70.58
		For Tempered Clear Insulated Glass, Add	*91.98*	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	640.17	74.81
		For Tempered Clear Insulated Glass, Add	*98.39*	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	698.60	79.75
		For Tempered Clear Insulated Glass, Add	*107.82*	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	736.31	83.28
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	793.33	87.52
		For Tempered Clear Insulated Glass, Add	*123.66*	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	832.45	91.75
		For Tempered Clear Insulated Glass, Add	*130.07*	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	889.48	95.98
		For Tempered Clear Insulated Glass, Add	*139.50*	

08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	511.97	66.34
		For Tempered Clear Insulated Glass, Add	*76.14*	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	557.22	69.17
		For Tempered Clear Insulated Glass, Add	*84.06*	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	582.29	70.58
		For Tempered Clear Insulated Glass, Add	*88.23*	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	606.70	73.40
		For Tempered Clear Insulated Glass, Add	*91.98*	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	691.08	77.63
		For Tempered Clear Insulated Glass, Add	*107.44*	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	768.37	82.57
		For Tempered Clear Insulated Glass, Add	*120.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	819.28	86.10
		For Tempered Clear Insulated Glass, Add	*129.70*	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	895.16	90.34
		For Tempered Clear Insulated Glass, Add	*142.90*	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	949.35	94.57
		For Tempered Clear Insulated Glass, Add	*152.32*	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,025.23	98.81
		For Tempered Clear Insulated Glass, Add	*165.52*	

08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	582.29	70.58
		For Tempered Clear Insulated Glass, Add	*88.23*	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	613.72	72.69
		For Tempered Clear Insulated Glass, Add	*93.67*	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	656.14	75.52
		For Tempered Clear Insulated Glass, Add	*101.02*	
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	704.78	79.05
		For Tempered Clear Insulated Glass, Add	*109.34*	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	775.25	84.69
		For Tempered Clear Insulated Glass, Add	*121.17*	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	822.48	87.52
		For Tempered Clear Insulated Glass, Add	*129.49*	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	891.53	93.16
		For Tempered Clear Insulated Glass, Add	*141.32*	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	938.58	95.98
		For Tempered Clear Insulated Glass, Add	*149.32*	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,007.63	100.92
		For Tempered Clear Insulated Glass, Add	*161.16*	

08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	656.14	75.52
		For Tempered Clear Insulated Glass, Add	*101.02*	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	718.41	78.34
		For Tempered Clear Insulated Glass, Add	*112.35*	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	770.73	81.87
		For Tempered Clear Insulated Glass, Add	*121.40*	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	849.91	87.52
		For Tempered Clear Insulated Glass, Add	*134.98*	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	900.81	90.34
		For Tempered Clear Insulated Glass, Add	*144.03*	
08 52 16 00-0605	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	976.69	95.98
		For Tempered Clear Insulated Glass, Add	*157.23*	
08 52 16 00-0606	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,029.00	98.81
		For Tempered Clear Insulated Glass, Add	*166.28*	
08 52 16 00-0607	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,104.89	103.75
		For Tempered Clear Insulated Glass, Add	*179.48*	

08 52 16 00-0608 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0459)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0609 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*

08 52 16 00-0610 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0611	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	603.00	57.87
		For Tempered Low-E Insulated Glass, Add	*97.45*	
08 52 16 00-0612	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	646.35	60.70
		For Tempered Low-E Insulated Glass, Add	*104.99*	
08 52 16 00-0613	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	681.92	62.81
		For Tempered Low-E Insulated Glass, Add	*111.26*	
08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	726.95	65.64
		For Tempered Low-E Insulated Glass, Add	*119.14*	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	778.79	69.17
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	858.44	74.81
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	908.88	77.63
		For Tempered Low-E Insulated Glass, Add	*150.72*	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	982.40	83.28
		For Tempered Low-E Insulated Glass, Add	*163.45*	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,009.63	86.10
		For Tempered Low-E Insulated Glass, Add	*167.48*	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,082.35	91.04
		For Tempered Low-E Insulated Glass, Add	*180.05*	

08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	636.68	60.70
		For Tempered Low-E Insulated Glass, Add	*103.34*	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	683.59	63.52
		For Tempered Low-E Insulated Glass, Add	*111.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	714.14	64.93
		For Tempered Low-E Insulated Glass, Add	*116.86*	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	764.19	67.75
		For Tempered Low-E Insulated Glass, Add	*125.74*	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	816.02	71.99
		For Tempered Low-E Insulated Glass, Add	*134.69*	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	893.32	76.93
		For Tempered Low-E Insulated Glass, Add	*147.89*	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	943.75	80.46
		For Tempered Low-E Insulated Glass, Add	*156.85*	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,019.63	84.69
		For Tempered Low-E Insulated Glass, Add	*170.05*	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,044.11	88.93
		For Tempered Low-E Insulated Glass, Add	*173.53*	
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,119.16	93.16
		For Tempered Low-E Insulated Glass, Add	*186.57*	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,736.14	103.04
		For Tempered Low-E Insulated Glass, Add	*306.29*	

08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	678.88	63.52
		For Tempered Low-E Insulated Glass, Add	*110.65*	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	722.23	66.34
		For Tempered Low-E Insulated Glass, Add	*118.19*	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	751.77	67.75
		For Tempered Low-E Insulated Glass, Add	*123.25*	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	802.83	70.58
		For Tempered Low-E Insulated Glass, Add	*132.34*	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	854.67	74.81
		For Tempered Low-E Insulated Glass, Add	*141.29*	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	934.32	79.75
		For Tempered Low-E Insulated Glass, Add	*154.96*	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	984.76	83.28
		For Tempered Low-E Insulated Glass, Add	*163.92*	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,060.64	87.52
		For Tempered Low-E Insulated Glass, Add	*177.12*	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,082.35	91.75
		For Tempered Low-E Insulated Glass, Add	*180.05*	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,154.98	95.98
		For Tempered Low-E Insulated Glass, Add	*192.60*	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,827.75	105.86
		For Tempered Low-E Insulated Glass, Add	*323.49*	

08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.45	66.34
		For Tempered Low-E Insulated Glass, Add	*109.24*	
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	744.38	69.17
		For Tempered Low-E Insulated Glass, Add	*121.49*	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	787.40	70.58
		For Tempered Low-E Insulated Glass, Add	*129.25*	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	867.41	73.40
		For Tempered Low-E Insulated Glass, Add	*144.12*	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	947.54	77.63
		For Tempered Low-E Insulated Glass, Add	*158.74*	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,064.90	82.57
		For Tempered Low-E Insulated Glass, Add	*179.95*	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,141.26	86.10
		For Tempered Low-E Insulated Glass, Add	*194.09*	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,257.22	90.34
		For Tempered Low-E Insulated Glass, Add	*215.31*	
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,299.77	94.57
		For Tempered Low-E Insulated Glass, Add	*222.41*	
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,617.34	98.81
		For Tempered Low-E Insulated Glass, Add	*283.95*	
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,877.55	108.69
		For Tempered Low-E Insulated Glass, Add	*332.32*	

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	787.40	70.58
		For Tempered Low-E Insulated Glass, Add	*129.25*	
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	833.62	72.69
		For Tempered Low-E Insulated Glass, Add	*137.65*	
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	897.24	75.52
		For Tempered Low-E Insulated Glass, Add	*149.24*	
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	968.27	79.05
		For Tempered Low-E Insulated Glass, Add	*162.04*	
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,071.52	84.69
		For Tempered Low-E Insulated Glass, Add	*180.43*	
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,143.14	87.52
		For Tempered Low-E Insulated Glass, Add	*193.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,244.98	93.16
		For Tempered Low-E Insulated Glass, Add	*212.01*	
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,316.01	95.98
		For Tempered Low-E Insulated Glass, Add	*224.81*	
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,419.85	100.92
		For Tempered Low-E Insulated Glass, Add	*243.60*	
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,003.35	110.10
		For Tempered Low-E Insulated Glass, Add	*356.63*	

08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	897.24	75.52
		For Tempered Low-E Insulated Glass, Add	*149.24*	
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	988.07	78.34
		For Tempered Low-E Insulated Glass, Add	*166.28*	
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,068.20	81.87
		For Tempered Low-E Insulated Glass, Add	*180.89*	
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,185.57	87.52
		For Tempered Low-E Insulated Glass, Add	*202.11*	
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,264.29	90.34
		For Tempered Low-E Insulated Glass, Add	*216.72*	
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,377.88	95.98
		For Tempered Low-E Insulated Glass, Add	*237.46*	
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,200.27	98.81
		For Tempered Low-E Insulated Glass, Add	*200.53*	
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,289.29	103.75
		For Tempered Low-E Insulated Glass, Add	*216.36*	

08 52 16 00-0677 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,047.00	81.87
		For Tempered Low-E Insulated Glass, Add	*178.06*	
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,192.64	87.52
		For Tempered Low-E Insulated Glass, Add	*203.52*	

08 52 16 00-0680 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,256.28	87.52
		For Tempered Low-E Insulated Glass, Add	*216.25*	
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,392.99	91.75
		For Tempered Low-E Insulated Glass, Add	*242.18*	
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,592.85	96.69
		For Tempered Low-E Insulated Glass, Add	*279.89*	

08 52 16 00-0684 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,558.88	95.28
		For Tempered Low-E Insulated Glass, Add	*273.66*	
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,678.50	98.81
		For Tempered Low-E Insulated Glass, Add	*296.18*	

08 52 16 00-0687 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,706.64	95.98
		For Tempered Low-E Insulated Glass, Add	*302.93*	
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,765.14	103.75
		For Tempered Low-E Insulated Glass, Add	*311.53*	
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,955.33	107.28
		For Tempered Low-E Insulated Glass, Add	*348.16*	
08 52 16 00-0691	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,149.32	112.92
		For Tempered Low-E Insulated Glass, Add	*384.69*	

08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*

08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	529.92	57.87
		For Tempered Low-E Insulated Glass, Add	*82.83*	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	570.92	60.70
		For Tempered Low-E Insulated Glass, Add	*89.91*	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	597.96	62.81
		For Tempered Low-E Insulated Glass, Add	*94.47*	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	642.09	65.64
		For Tempered Low-E Insulated Glass, Add	*102.16*	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	689.22	69.17
		For Tempered Low-E Insulated Glass, Add	*110.18*	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	761.80	74.81
		For Tempered Low-E Insulated Glass, Add	*122.44*	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	805.16	77.63
		For Tempered Low-E Insulated Glass, Add	*129.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	873.97	83.28
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	921.10	86.10
		For Tempered Low-E Insulated Glass, Add	*149.78*	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	989.91	91.04
		For Tempered Low-E Insulated Glass, Add	*161.56*	

08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	562.44	60.70
		For Tempered Low-E Insulated Glass, Add	*88.49*	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	603.45	63.52
		For Tempered Low-E Insulated Glass, Add	*95.56*	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	628.18	64.93
		For Tempered Low-E Insulated Glass, Add	*99.66*	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	676.97	67.75
		For Tempered Low-E Insulated Glass, Add	*108.29*	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	724.09	71.99
		For Tempered Low-E Insulated Glass, Add	*116.31*	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	794.32	76.93
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	840.03	80.46
		For Tempered Low-E Insulated Glass, Add	*136.11*	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	906.49	84.69
		For Tempered Low-E Insulated Glass, Add	*147.42*	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	955.97	88.93
		For Tempered Low-E Insulated Glass, Add	*155.91*	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,022.43	93.16
		For Tempered Low-E Insulated Glass, Add	*167.22*	

08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	598.73	63.52
		For Tempered Low-E Insulated Glass, Add	*94.62*	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	639.73	66.34
		For Tempered Low-E Insulated Glass, Add	*101.69*	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	661.81	67.75
		For Tempered Low-E Insulated Glass, Add	*105.26*	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	710.90	70.58
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	758.03	74.81
		For Tempered Low-E Insulated Glass, Add	*121.96*	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	828.25	79.75
		For Tempered Low-E Insulated Glass, Add	*133.75*	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	873.97	83.28
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	942.78	87.52
		For Tempered Low-E Insulated Glass, Add	*153.55*	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	989.91	91.75
		For Tempered Low-E Insulated Glass, Add	*161.56*	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,058.72	95.98
		For Tempered Low-E Insulated Glass, Add	*173.35*	

08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	602.02	66.34
		For Tempered Low-E Insulated Glass, Add	*94.15*	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	657.17	69.17
		For Tempered Low-E Insulated Glass, Add	*104.05*	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	687.44	70.58
		For Tempered Low-E Insulated Glass, Add	*109.26*	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	716.55	73.40
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	820.25	77.63
		For Tempered Low-E Insulated Glass, Add	*133.28*	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	914.04	82.57
		For Tempered Low-E Insulated Glass, Add	*149.78*	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	976.26	86.10
		For Tempered Low-E Insulated Glass, Add	*161.09*	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,068.64	90.34
		For Tempered Low-E Insulated Glass, Add	*177.59*	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,134.62	94.57
		For Tempered Low-E Insulated Glass, Add	*189.38*	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,227.00	98.81
		For Tempered Low-E Insulated Glass, Add	*205.88*	

08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	687.44	70.58
		For Tempered Low-E Insulated Glass, Add	*109.26*	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	725.67	72.69
		For Tempered Low-E Insulated Glass, Add	*116.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	777.29	75.52
		For Tempered Low-E Insulated Glass, Add	*125.25*	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	836.33	79.05
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	921.58	84.69
		For Tempered Low-E Insulated Glass, Add	*150.44*	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	979.21	87.52
		For Tempered Low-E Insulated Glass, Add	*160.84*	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,063.06	93.16
		For Tempered Low-E Insulated Glass, Add	*175.63*	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,120.10	95.98
		For Tempered Low-E Insulated Glass, Add	*185.63*	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,203.94	100.92
		For Tempered Low-E Insulated Glass, Add	*200.42*	

08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	777.29	75.52
		For Tempered Low-E Insulated Glass, Add	*125.25*	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	853.71	78.34
		For Tempered Low-E Insulated Glass, Add	*139.41*	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	917.35	81.87
		For Tempered Low-E Insulated Glass, Add	*150.72*	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,013.49	87.52
		For Tempered Low-E Insulated Glass, Add	*167.69*	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,075.72	90.34
		For Tempered Low-E Insulated Glass, Add	*179.01*	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,168.10	95.98
		For Tempered Low-E Insulated Glass, Add	*195.51*	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,231.72	98.81
		For Tempered Low-E Insulated Glass, Add	*206.82*	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,324.11	103.75
		For Tempered Low-E Insulated Glass, Add	*223.32*	

08 52 16 00-0756 Horizontal Sliding Wood Clad Windows *(08 52 16)*

Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes

08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0756)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0758 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	632.29	74.81
		For Tempered Clear Insulated Glass, Add	*96.82*	

08 52 16 00-0760 23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	581.93	69.17
		For Tempered Clear Insulated Glass, Add	*88.44*	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	680.33	79.05
		For Tempered Clear Insulated Glass, Add	*104.73*	

08 52 16 00-0763 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	680.33	79.05
		For Tempered Clear Insulated Glass, Add	*104.73*	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	778.72	87.52
		For Tempered Clear Insulated Glass, Add	*121.02*	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	877.12	95.28
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	975.52	103.75
		For Tempered Clear Insulated Glass, Add	*153.60*	

08 52 16 00-0768 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	730.69	83.28
		For Tempered Clear Insulated Glass, Add	*113.11*	
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	826.76	91.75
		For Tempered Clear Insulated Glass, Add	*128.93*	
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	925.16	99.51
		For Tempered Clear Insulated Glass, Add	*145.23*	
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,105.00	107.98
		For Tempered Clear Insulated Glass, Add	*177.81*	

08 52 16 00-0773 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	778.72	87.52
		For Tempered Clear Insulated Glass, Add	*121.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	877.12	95.98
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	975.52	103.75
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,073.90	112.22
		For Tempered Clear Insulated Glass, Add	*169.89*	
08 52 16 00-0778		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	925.16	100.22
		For Tempered Clear Insulated Glass, Add	*145.23*	
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,023.54	107.98
		For Tempered Clear Insulated Glass, Add	*161.52*	
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,121.94	116.45
		For Tempered Clear Insulated Glass, Add	*177.81*	
08 52 16 00-0782		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	975.52	104.45
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,073.90	112.22
		For Tempered Clear Insulated Glass, Add	*169.89*	
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,172.48	120.69
		For Tempered Clear Insulated Glass, Add	*186.22*	
08 52 16 00-0786		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,398.58	69.17
		For Tempered Low-E Insulated Glass, Add	*251.77*	
08 52 16 00-0789	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,664.55	79.05
		For Tempered Low-E Insulated Glass, Add	*301.57*	
08 52 16 00-0790		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0791	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,685.49	79.05
		For Tempered Low-E Insulated Glass, Add	*305.76*	
08 52 16 00-0792	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,953.78	87.52
		For Tempered Low-E Insulated Glass, Add	*356.03*	
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,219.75	95.28
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,485.71	103.75
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0795		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,819.64	83.28
		For Tempered Low-E Insulated Glass, Add	*330.90*	
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,085.60	91.75
		For Tempered Low-E Insulated Glass, Add	*380.70*	
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,353.89	99.51
		For Tempered Low-E Insulated Glass, Add	*430.97*	
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,619.85	107.98
		For Tempered Low-E Insulated Glass, Add	*480.78*	
08 52 16 00-0800		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,953.78	87.52
		For Tempered Low-E Insulated Glass, Add	*356.03*	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,219.75	95.98
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,485.71	103.75
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,753.99	112.22
		For Tempered Low-E Insulated Glass, Add	*505.91*	
08 52 16 00-0805		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,219.75	95.98
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,485.71	104.45
		For Tempered Low-E Insulated Glass, Add	*455.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,753.99	112.22
		For Tempered Low-E Insulated Glass, Add	*505.91*	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	3,019.96	120.69
		For Tempered Low-E Insulated Glass, Add	*555.72*	

08 52 16 00-0810 Picture Wood Clad Windows *(08 52 16)*

Note: Picture windows are fixed windows.

08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0810)*

08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0811)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	496.96	56.46
		For Tempered Clear Insulated Glass, Add	*76.81*	
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	580.99	62.11
		For Tempered Clear Insulated Glass, Add	*91.36*	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	617.09	64.93
		For Tempered Clear Insulated Glass, Add	*97.45*	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	669.27	70.58
		For Tempered Clear Insulated Glass, Add	*105.91*	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	705.09	73.40
		For Tempered Clear Insulated Glass, Add	*111.66*	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	757.26	79.05
		For Tempered Clear Insulated Glass, Add	*120.12*	

08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	552.65	69.17
		For Tempered Clear Insulated Glass, Add	*82.86*	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	637.99	73.40
		For Tempered Clear Insulated Glass, Add	*98.52*	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	763.84	78.34
		For Tempered Clear Insulated Glass, Add	*121.43*	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	845.86	81.16
		For Tempered Clear Insulated Glass, Add	*136.71*	
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	968.39	86.10
		For Tempered Clear Insulated Glass, Add	*159.24*	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,053.72	89.63
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,558.12	94.57
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	637.99	73.40
		For Tempered Clear Insulated Glass, Add	*98.52*	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	723.33	76.22
		For Tempered Clear Insulated Glass, Add	*114.18*	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	849.18	81.87
		For Tempered Clear Insulated Glass, Add	*137.09*	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	931.19	84.69
		For Tempered Clear Insulated Glass, Add	*152.36*	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,053.72	90.34
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,139.06	93.16
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,261.59	98.81
		For Tempered Clear Insulated Glass, Add	*213.08*	

08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	763.84	79.05
		For Tempered Clear Insulated Glass, Add	*121.43*	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	849.18	81.87
		For Tempered Clear Insulated Glass, Add	*137.09*	
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	975.03	87.52
		For Tempered Clear Insulated Glass, Add	*160.00*	
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,057.05	90.34
		For Tempered Clear Insulated Glass, Add	*175.27*	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,179.58	95.98
		For Tempered Clear Insulated Glass, Add	*197.80*	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,264.91	98.81
		For Tempered Clear Insulated Glass, Add	*213.46*	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,387.45	104.45
		For Tempered Clear Insulated Glass, Add	*235.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	845.86	81.87
		For Tempered Clear Insulated Glass, Add	*136.71*	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	931.19	84.69
		For Tempered Clear Insulated Glass, Add	*152.36*	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,057.05	90.34
		For Tempered Clear Insulated Glass, Add	*175.27*	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,139.06	93.16
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,261.59	98.81
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,346.93	101.63
		For Tempered Clear Insulated Glass, Add	*228.73*	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,582.11	107.28
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	968.39	86.10
		For Tempered Clear Insulated Glass, Add	*159.24*	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,053.72	90.34
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,179.58	95.28
		For Tempered Clear Insulated Glass, Add	*197.80*	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,261.59	98.10
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,384.12	103.04
		For Tempered Clear Insulated Glass, Add	*235.61*	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,469.46	106.57
		For Tempered Clear Insulated Glass, Add	*251.26*	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,591.99	111.51
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,053.72	90.34
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,139.06	93.16
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,264.91	98.81
		For Tempered Clear Insulated Glass, Add	*213.46*	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,346.93	101.63
		For Tempered Clear Insulated Glass, Add	*228.73*	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,582.11	107.28
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,176.26	94.57
		For Tempered Clear Insulated Glass, Add	*197.42*	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,261.59	98.81
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,387.45	103.75
		For Tempered Clear Insulated Glass, Add	*235.99*	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,469.46	106.57
		For Tempered Clear Insulated Glass, Add	*251.26*	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,591.99	111.51
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0811)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	587.04	56.46
		For Tempered Low-E Insulated Glass, Add	*94.82*	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	688.14	62.11
		For Tempered Low-E Insulated Glass, Add	*112.79*	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	731.38	64.93
		For Tempered Low-E Insulated Glass, Add	*120.30*	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	793.48	70.58
		For Tempered Low-E Insulated Glass, Add	*130.75*	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	836.05	73.40
		For Tempered Low-E Insulated Glass, Add	*137.85*	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	898.14	79.05
		For Tempered Low-E Insulated Glass, Add	*148.29*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0880		**35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*			
08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		649.83	69.17
		For Tempered Low-E Insulated Glass, Add		*102.30*	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		753.54	73.40
		For Tempered Low-E Insulated Glass, Add		*121.63*	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		906.26	78.34
		For Tempered Low-E Insulated Glass, Add		*149.92*	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,006.19	81.16
		For Tempered Low-E Insulated Glass, Add		*168.77*	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,155.15	86.10
		For Tempered Low-E Insulated Glass, Add		*196.59*	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,258.84	89.63
		For Tempered Low-E Insulated Glass, Add		*215.92*	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,879.24	94.57
		For Tempered Low-E Insulated Glass, Add		*338.02*	
08 52 16 00-0888		**40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*			
08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		753.54	73.40
		For Tempered Low-E Insulated Glass, Add		*121.63*	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		857.24	76.22
		For Tempered Low-E Insulated Glass, Add		*140.96*	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,009.96	81.87
		For Tempered Low-E Insulated Glass, Add		*169.24*	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,109.89	84.69
		For Tempered Low-E Insulated Glass, Add		*188.10*	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,258.84	90.34
		For Tempered Low-E Insulated Glass, Add		*215.92*	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,362.54	93.16
		For Tempered Low-E Insulated Glass, Add		*235.24*	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,511.50	98.81
		For Tempered Low-E Insulated Glass, Add		*263.06*	
08 52 16 00-0896		**48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*			
08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		906.26	79.05
		For Tempered Low-E Insulated Glass, Add		*149.92*	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,009.96	81.87
		For Tempered Low-E Insulated Glass, Add		*169.24*	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,162.68	87.52
		For Tempered Low-E Insulated Glass, Add		*197.53*	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,262.62	90.34
		For Tempered Low-E Insulated Glass, Add		*216.39*	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,411.57	95.98
		For Tempered Low-E Insulated Glass, Add		*244.20*	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,515.26	98.81
		For Tempered Low-E Insulated Glass, Add		*263.53*	
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,664.23	104.45
		For Tempered Low-E Insulated Glass, Add		*291.35*	
08 52 16 00-0904		**52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*			
08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,006.19	81.87
		For Tempered Low-E Insulated Glass, Add		*168.77*	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,109.89	84.69
		For Tempered Low-E Insulated Glass, Add		*188.10*	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,262.62	90.34
		For Tempered Low-E Insulated Glass, Add		*216.39*	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,362.54	93.16
		For Tempered Low-E Insulated Glass, Add		*235.24*	
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,511.50	98.81
		For Tempered Low-E Insulated Glass, Add		*263.06*	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,615.20	101.63
		For Tempered Low-E Insulated Glass, Add		*282.39*	
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,903.23	107.28
		For Tempered Low-E Insulated Glass, Add		*338.02*	
08 52 16 00-0912		**59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*			
08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,155.15	86.10
		For Tempered Low-E Insulated Glass, Add		*196.59*	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,258.84	90.34
		For Tempered Low-E Insulated Glass, Add		*215.92*	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,411.57	95.28
		For Tempered Low-E Insulated Glass, Add		*244.20*	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,511.50	98.10
		For Tempered Low-E Insulated Glass, Add		*263.06*	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)		1,660.45	103.04
		For Tempered Low-E Insulated Glass, Add		*290.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,764.15	106.57
		For Tempered Low-E Insulated Glass, Add	*310.20*	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,913.11	111.51
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,258.84	90.34
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,362.54	93.16
		For Tempered Low-E Insulated Glass, Add	*235.24*	
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,515.26	98.81
		For Tempered Low-E Insulated Glass, Add	*263.53*	
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,615.20	101.63
		For Tempered Low-E Insulated Glass, Add	*282.39*	
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,903.23	107.28
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,407.80	94.57
		For Tempered Low-E Insulated Glass, Add	*243.73*	
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,511.50	98.81
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,664.23	103.75
		For Tempered Low-E Insulated Glass, Add	*291.35*	
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,764.15	106.57
		For Tempered Low-E Insulated Glass, Add	*310.20*	
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,913.11	111.51
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0810)*

08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0932)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	709.04	88.22
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	727.90	90.34
		For Tempered Clear Insulated Glass, Add	*109.44*	

08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	727.90	90.34
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	882.91	107.28
		For Tempered Clear Insulated Glass, Add	*133.67*	

08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	826.35	100.92
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	845.20	103.04
		For Tempered Clear Insulated Glass, Add	*127.82*	

08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	709.04	88.93
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	826.35	100.92
		For Tempered Clear Insulated Glass, Add	*124.90*	

08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	727.90	90.34
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	845.20	103.04
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	882.91	107.28
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	922.71	111.51
		For Tempered Clear Insulated Glass, Add	*139.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	922.71	111.51
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	882.91	107.28
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	786.42	66.34
		For Tempered Low-E Insulated Glass, Add	*130.75*	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,097.41	84.69
		For Tempered Low-E Insulated Glass, Add	*185.89*	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,144.83	86.81
		For Tempered Low-E Insulated Glass, Add	*194.24*	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,215.96	91.04
		For Tempered Low-E Insulated Glass, Add	*206.77*	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,263.37	94.57
		For Tempered Low-E Insulated Glass, Add	*215.13*	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,360.31	99.51
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.23	105.86
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	835.93	69.17
		For Tempered Low-E Insulated Glass, Add	*139.52*	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,144.83	87.52
		For Tempered Low-E Insulated Glass, Add	*194.24*	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,194.33	89.63
		For Tempered Low-E Insulated Glass, Add	*203.01*	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,263.37	93.87
		For Tempered Low-E Insulated Glass, Add	*215.13*	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,312.88	97.40
		For Tempered Low-E Insulated Glass, Add	*223.90*	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,409.81	102.34
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.73	108.69
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-0972		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	883.35	71.99
		For Tempered Low-E Insulated Glass, Add	*147.87*	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,194.33	90.34
		For Tempered Low-E Insulated Glass, Add	*203.01*	
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,241.75	92.46
		For Tempered Low-E Insulated Glass, Add	*211.37*	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,312.88	96.69
		For Tempered Low-E Insulated Glass, Add	*223.90*	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,360.31	100.22
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.23	105.16
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,556.24	111.51
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-0980		60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	932.85	74.81
		For Tempered Low-E Insulated Glass, Add	*156.65*	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,241.75	93.16
		For Tempered Low-E Insulated Glass, Add	*211.37*	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,291.27	95.28
		For Tempered Low-E Insulated Glass, Add	*220.14*	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,360.31	99.51
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,409.81	103.04
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.73	107.98
		For Tempered Low-E Insulated Glass, Add	*258.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,603.66	114.33
		For Tempered Low-E Insulated Glass, Add	*275.28*	

08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	980.28	77.63
		For Tempered Low-E Insulated Glass, Add	*165.00*	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,291.27	95.98
		For Tempered Low-E Insulated Glass, Add	*220.14*	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,340.77	98.10
		For Tempered Low-E Insulated Glass, Add	*228.91*	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,409.81	102.34
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.23	105.86
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,556.24	110.81
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,653.16	117.16
		For Tempered Low-E Insulated Glass, Add	*284.05*	

08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,029.78	80.46
		For Tempered Low-E Insulated Glass, Add	*173.77*	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,340.77	98.81
		For Tempered Low-E Insulated Glass, Add	*228.91*	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,388.19	100.92
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.23	105.16
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.73	108.69
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,603.66	113.63
		For Tempered Low-E Insulated Glass, Add	*275.28*	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,700.59	119.98
		For Tempered Low-E Insulated Glass, Add	*292.41*	

08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,077.20	83.28
		For Tempered Low-E Insulated Glass, Add	*182.13*	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,388.19	101.63
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,437.70	103.75
		For Tempered Low-E Insulated Glass, Add	*246.04*	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.73	107.98
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,556.24	111.51
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,653.16	116.45
		For Tempered Low-E Insulated Glass, Add	*284.05*	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,750.10	122.80
		For Tempered Low-E Insulated Glass, Add	*301.18*	

08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,126.71	86.10
		For Tempered Low-E Insulated Glass, Add	*190.90*	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,437.70	104.45
		For Tempered Low-E Insulated Glass, Add	*246.04*	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,485.11	106.57
		For Tempered Low-E Insulated Glass, Add	*254.39*	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,556.24	110.81
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,603.66	114.33
		For Tempered Low-E Insulated Glass, Add	*275.28*	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,700.59	119.27
		For Tempered Low-E Insulated Glass, Add	*292.41*	
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,797.51	125.63
		For Tempered Low-E Insulated Glass, Add	*309.53*	

08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0810)*

08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1020)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	709.04	88.22
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	727.90	90.34
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	727.90	90.34
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	882.91	107.28
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	826.35	100.92
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	845.20	103.04
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	709.04	88.93
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	826.35	100.92
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	727.90	90.34
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	845.20	103.04
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	882.91	107.28
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	922.71	111.51
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	922.71	111.51
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	882.91	107.28
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1043		Basement Wood Clad Windows *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1043)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	376.68	56.46
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	396.50	56.46
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	413.92	56.46
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	51.54	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	75.95	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	103.08	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	130.20	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	184.45	
08 52 16 00-1055		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	82.46	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	121.52	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	164.92	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	208.32	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	295.12	
08 52 16 00-1061		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	98.95	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	145.82	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	197.90	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	249.98	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	354.14	
08 52 16 00-1067		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	118.75	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	174.98	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	237.48	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	299.98	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	424.97	

08 52 66 Wood Window Screens *(08 52)*

08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	54.47	12.64
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	62.81	12.64
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	66.98	12.64
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	75.32	12.64
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	92.00	12.64
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	100.34	12.64
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	108.69	12.64
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	117.03	12.64
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.49	0.25

08 53 Plastic Windows *(08 50)*

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001		Single Hung Vinyl Windows *(08 53 13)*		
08 53 13 00-0002		New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003		34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	453.25	64.93
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.85*	
		For Obscure Glass, Add	*88.93*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	476.92	67.75
		For Colored Vinyl, Add	*34.14*	
		For Tinted Glass, Add	*40.97*	
		For Low-E Insulated Glass, Add	*85.35*	
		For Obscure Glass, Add	*93.89*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	486.70	69.17
		For Colored Vinyl, Add	*34.84*	
		For Tinted Glass, Add	*41.80*	
		For Low-E Insulated Glass, Add	*87.09*	
		For Obscure Glass, Add	*95.80*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	497.39	70.58
		For Colored Vinyl, Add	*35.62*	
		For Tinted Glass, Add	*42.75*	
		For Low-E Insulated Glass, Add	*89.06*	
		For Obscure Glass, Add	*97.97*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	525.07	73.40
		For Colored Vinyl, Add	*37.83*	
		For Tinted Glass, Add	*45.39*	
		For Low-E Insulated Glass, Add	*94.57*	
		For Obscure Glass, Add	*104.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	569.67	79.05
		For Colored Vinyl, Add	*41.16*	
		For Tinted Glass, Add	*49.39*	
		For Low-E Insulated Glass, Add	*102.90*	
		For Obscure Glass, Add	*113.18*	
08 53 13 00-0010		36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	462.41	66.34
		For Colored Vinyl, Add	*32.97*	
		For Tinted Glass, Add	*39.57*	
		For Low-E Insulated Glass, Add	*82.43*	
		For Obscure Glass, Add	*90.68*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	486.09	67.75
		For Colored Vinyl, Add	*34.78*	
		For Tinted Glass, Add	*41.73*	
		For Low-E Insulated Glass, Add	*86.94*	
		For Obscure Glass, Add	*95.63*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	495.86	70.58
		For Colored Vinyl, Add	*35.47*	
		For Tinted Glass, Add	*42.57*	
		For Low-E Insulated Glass, Add	*88.68*	
		For Obscure Glass, Add	*97.55*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	506.56	71.99
		For Colored Vinyl, Add	*36.26*	
		For Tinted Glass, Add	*43.51*	
		For Low-E Insulated Glass, Add	*90.65*	
		For Obscure Glass, Add	*99.71*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.24	74.81
		For Colored Vinyl, Add	*38.46*	
		For Tinted Glass, Add	*46.15*	
		For Low-E Insulated Glass, Add	*96.16*	
		For Obscure Glass, Add	*105.77*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	578.84	80.46
		For Colored Vinyl, Add	*41.79*	
		For Tinted Glass, Add	*50.15*	
		For Low-E Insulated Glass, Add	*104.48*	
		For Obscure Glass, Add	*114.93*	
08 53 13 00-0017		38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.28	67.75
		For Colored Vinyl, Add	*33.58*	
		For Tinted Glass, Add	*40.29*	
		For Low-E Insulated Glass, Add	*83.94*	
		For Obscure Glass, Add	*92.34*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	494.95	70.58
		For Colored Vinyl, Add	*35.38*	
		For Tinted Glass, Add	*42.46*	
		For Low-E Insulated Glass, Add	*88.45*	
		For Obscure Glass, Add	*97.30*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	505.14	71.99
		For Colored Vinyl, Add	*36.12*	
		For Tinted Glass, Add	*43.34*	
		For Low-E Insulated Glass, Add	*90.29*	
		For Obscure Glass, Add	*99.32*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	515.83	73.40
		For Colored Vinyl, Add	*36.90*	
		For Tinted Glass, Add	*44.28*	
		For Low-E Insulated Glass, Add	*92.26*	
		For Obscure Glass, Add	*101.48*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	543.98	76.22
		For Colored Vinyl, Add	*39.15*	
		For Tinted Glass, Add	*46.98*	
		For Low-E Insulated Glass, Add	*97.88*	
		For Obscure Glass, Add	*107.67*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	589.18	81.87
		For Colored Vinyl, Add	*42.54*	
		For Tinted Glass, Add	*51.05*	
		For Low-E Insulated Glass, Add	*106.36*	
		For Obscure Glass, Add	*117.00*	
08 53 13 00-0024		44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	498.44	71.99
		For Colored Vinyl, Add	*35.45*	
		For Tinted Glass, Add	*42.54*	
		For Low-E Insulated Glass, Add	*88.62*	
		For Obscure Glass, Add	*97.48*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	522.10	74.81
		For Colored Vinyl, Add	*37.25*	
		For Tinted Glass, Add	*44.70*	
		For Low-E Insulated Glass, Add	*93.12*	
		For Obscure Glass, Add	*102.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	533.62	76.22
		For Colored Vinyl, Add	*38.12*	
		For Tinted Glass, Add	*45.74*	
		For Low-E Insulated Glass, Add	*95.29*	
		For Obscure Glass, Add	*104.82*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	544.31	77.63
		For Colored Vinyl, Add	*38.90*	
		For Tinted Glass, Add	*46.68*	
		For Low-E Insulated Glass, Add	*97.26*	
		For Obscure Glass, Add	*106.99*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	573.76	80.46
		For Colored Vinyl, Add	*41.29*	
		For Tinted Glass, Add	*49.54*	
		For Low-E Insulated Glass, Add	*103.21*	
		For Obscure Glass, Add	*113.53*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	620.65	86.10
		For Colored Vinyl, Add	*44.84*	
		For Tinted Glass, Add	*53.81*	
		For Low-E Insulated Glass, Add	*112.11*	
		For Obscure Glass, Add	*123.32*	
08 53 13 00-0031		**46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** *(08 53 13 00-0002)*		
08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	507.61	73.40
		For Colored Vinyl, Add	*36.08*	
		For Tinted Glass, Add	*43.30*	
		For Low-E Insulated Glass, Add	*90.20*	
		For Obscure Glass, Add	*99.22*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	531.28	76.22
		For Colored Vinyl, Add	*37.88*	
		For Tinted Glass, Add	*45.46*	
		For Low-E Insulated Glass, Add	*94.71*	
		For Obscure Glass, Add	*104.18*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	543.19	77.63
		For Colored Vinyl, Add	*38.79*	
		For Tinted Glass, Add	*46.55*	
		For Low-E Insulated Glass, Add	*96.98*	
		For Obscure Glass, Add	*106.68*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	553.88	79.05
		For Colored Vinyl, Add	*39.58*	
		For Tinted Glass, Add	*47.49*	
		For Low-E Insulated Glass, Add	*98.95*	
		For Obscure Glass, Add	*108.84*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	583.75	81.87
		For Colored Vinyl, Add	*42.00*	
		For Tinted Glass, Add	*50.40*	
		For Low-E Insulated Glass, Add	*105.00*	
		For Obscure Glass, Add	*115.50*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	631.24	87.52
		For Colored Vinyl, Add	*45.62*	
		For Tinted Glass, Add	*54.75*	
		For Low-E Insulated Glass, Add	*114.05*	
		For Obscure Glass, Add	*125.46*	
08 53 13 00-0038		**48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** *(08 53 13 00-0002)*		
08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	516.87	74.81
		For Colored Vinyl, Add	*36.73*	
		For Tinted Glass, Add	*44.07*	
		For Low-E Insulated Glass, Add	*91.81*	
		For Obscure Glass, Add	*100.99*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	540.55	77.63
		For Colored Vinyl, Add	*38.53*	
		For Tinted Glass, Add	*46.23*	
		For Low-E Insulated Glass, Add	*96.32*	
		For Obscure Glass, Add	*105.95*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	552.86	79.05
		For Colored Vinyl, Add	*39.48*	
		For Tinted Glass, Add	*47.37*	
		For Low-E Insulated Glass, Add	*98.69*	
		For Obscure Glass, Add	*108.56*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	563.55	80.46
		For Colored Vinyl, Add	*40.26*	
		For Tinted Glass, Add	*48.32*	
		For Low-E Insulated Glass, Add	*100.66*	
		For Obscure Glass, Add	*110.73*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	593.88	83.28
		For Colored Vinyl, Add	*42.73*	
		For Tinted Glass, Add	*51.28*	
		For Low-E Insulated Glass, Add	*106.83*	
		For Obscure Glass, Add	*117.51*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.93	88.93
		For Colored Vinyl, Add	*46.41*	
		For Tinted Glass, Add	*55.69*	
		For Low-E Insulated Glass, Add	*116.02*	
		For Obscure Glass, Add	*127.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0045		50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	525.75	76.22
		For Colored Vinyl, Add	*37.33*	
		For Tinted Glass, Add	*44.80*	
		For Low-E Insulated Glass, Add	*93.33*	
		For Obscure Glass, Add	*102.66*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	549.41	79.05
		For Colored Vinyl, Add	*39.13*	
		For Tinted Glass, Add	*46.96*	
		For Low-E Insulated Glass, Add	*97.83*	
		For Obscure Glass, Add	*107.61*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	562.18	80.46
		For Colored Vinyl, Add	*40.13*	
		For Tinted Glass, Add	*48.15*	
		For Low-E Insulated Glass, Add	*100.32*	
		For Obscure Glass, Add	*110.35*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	572.88	81.87
		For Colored Vinyl, Add	*40.91*	
		For Tinted Glass, Add	*49.10*	
		For Low-E Insulated Glass, Add	*102.29*	
		For Obscure Glass, Add	*112.51*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	603.61	84.69
		For Colored Vinyl, Add	*43.42*	
		For Tinted Glass, Add	*52.11*	
		For Low-E Insulated Glass, Add	*108.56*	
		For Obscure Glass, Add	*119.41*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	652.23	90.34
		For Colored Vinyl, Add	*47.16*	
		For Tinted Glass, Add	*56.59*	
		For Low-E Insulated Glass, Add	*117.89*	
		For Obscure Glass, Add	*129.68*	
08 53 13 00-0052		52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.66	77.63
		For Colored Vinyl, Add	*37.94*	
		For Tinted Glass, Add	*45.53*	
		For Low-E Insulated Glass, Add	*94.85*	
		For Obscure Glass, Add	*104.33*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	558.33	80.46
		For Colored Vinyl, Add	*39.74*	
		For Tinted Glass, Add	*47.69*	
		For Low-E Insulated Glass, Add	*99.36*	
		For Obscure Glass, Add	*109.29*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	571.56	81.87
		For Colored Vinyl, Add	*40.78*	
		For Tinted Glass, Add	*48.94*	
		For Low-E Insulated Glass, Add	*101.96*	
		For Obscure Glass, Add	*112.15*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	582.25	83.28
		For Colored Vinyl, Add	*41.57*	
		For Tinted Glass, Add	*49.88*	
		For Low-E Insulated Glass, Add	*103.92*	
		For Obscure Glass, Add	*114.31*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	613.44	86.10
		For Colored Vinyl, Add	*44.12*	
		For Tinted Glass, Add	*52.95*	
		For Low-E Insulated Glass, Add	*110.31*	
		For Obscure Glass, Add	*121.34*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	662.61	91.75
		For Colored Vinyl, Add	*47.91*	
		For Tinted Glass, Add	*57.49*	
		For Low-E Insulated Glass, Add	*119.78*	
		For Obscure Glass, Add	*131.76*	
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	543.57	79.05
		For Colored Vinyl, Add	*38.55*	
		For Tinted Glass, Add	*46.26*	
		For Low-E Insulated Glass, Add	*96.37*	
		For Obscure Glass, Add	*106.01*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	567.25	81.87
		For Colored Vinyl, Add	*40.35*	
		For Tinted Glass, Add	*48.42*	
		For Low-E Insulated Glass, Add	*100.88*	
		For Obscure Glass, Add	*110.97*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	580.88	83.28
		For Colored Vinyl, Add	*41.43*	
		For Tinted Glass, Add	*49.72*	
		For Low-E Insulated Glass, Add	*103.58*	
		For Obscure Glass, Add	*113.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	591.57	84.69
		For Colored Vinyl, Add	*42.22*	
		For Tinted Glass, Add	*50.66*	
		For Low-E Insulated Glass, Add	*105.55*	
		For Obscure Glass, Add	*116.10*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	623.17	87.52
		For Colored Vinyl, Add	*44.81*	
		For Tinted Glass, Add	*53.78*	
		For Low-E Insulated Glass, Add	*112.04*	
		For Obscure Glass, Add	*123.24*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	672.90	93.16
		For Colored Vinyl, Add	*48.66*	
		For Tinted Glass, Add	*58.39*	
		For Low-E Insulated Glass, Add	*121.65*	
		For Obscure Glass, Add	*133.81*	

08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	571.08	83.28
		For Colored Vinyl, Add	*40.45*	
		For Tinted Glass, Add	*48.54*	
		For Low-E Insulated Glass, Add	*101.13*	
		For Obscure Glass, Add	*111.24*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	594.76	86.10
		For Colored Vinyl, Add	*42.26*	
		For Tinted Glass, Add	*50.71*	
		For Low-E Insulated Glass, Add	*105.64*	
		For Obscure Glass, Add	*116.20*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	609.61	87.52
		For Colored Vinyl, Add	*43.46*	
		For Tinted Glass, Add	*52.15*	
		For Low-E Insulated Glass, Add	*108.65*	
		For Obscure Glass, Add	*119.51*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	620.30	88.93
		For Colored Vinyl, Add	*44.25*	
		For Tinted Glass, Add	*53.09*	
		For Low-E Insulated Glass, Add	*110.61*	
		For Obscure Glass, Add	*121.67*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	653.22	91.75
		For Colored Vinyl, Add	*46.97*	
		For Tinted Glass, Add	*56.37*	
		For Low-E Insulated Glass, Add	*117.43*	
		For Obscure Glass, Add	*129.17*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	704.67	97.40
		For Colored Vinyl, Add	*50.99*	
		For Tinted Glass, Add	*61.19*	
		For Low-E Insulated Glass, Add	*127.47*	
		For Obscure Glass, Add	*140.22*	

08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	580.00	84.69
		For Colored Vinyl, Add	*41.06*	
		For Tinted Glass, Add	*49.27*	
		For Low-E Insulated Glass, Add	*102.66*	
		For Obscure Glass, Add	*112.92*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	603.67	87.52
		For Colored Vinyl, Add	*42.86*	
		For Tinted Glass, Add	*51.44*	
		For Low-E Insulated Glass, Add	*107.16*	
		For Obscure Glass, Add	*117.88*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	619.03	88.93
		For Colored Vinyl, Add	*44.12*	
		For Tinted Glass, Add	*52.94*	
		For Low-E Insulated Glass, Add	*110.30*	
		For Obscure Glass, Add	*121.32*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	629.73	90.34
		For Colored Vinyl, Add	*44.91*	
		For Tinted Glass, Add	*53.89*	
		For Low-E Insulated Glass, Add	*112.26*	
		For Obscure Glass, Add	*123.49*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	663.05	93.16
		For Colored Vinyl, Add	*47.67*	
		For Tinted Glass, Add	*57.21*	
		For Low-E Insulated Glass, Add	*119.18*	
		For Obscure Glass, Add	*131.10*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	715.11	98.81
		For Colored Vinyl, Add	*51.75*	
		For Tinted Glass, Add	*62.10*	
		For Low-E Insulated Glass, Add	*129.38*	
		For Obscure Glass, Add	*142.31*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	598.14	87.52
		For Colored Vinyl, Add	*42.31*	
		For Tinted Glass, Add	*50.77*	
		For Low-E Insulated Glass, Add	*105.78*	
		For Obscure Glass, Add	*116.36*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	621.81	90.34
		For Colored Vinyl, Add	*44.11*	
		For Tinted Glass, Add	*52.94*	
		For Low-E Insulated Glass, Add	*110.28*	
		For Obscure Glass, Add	*121.31*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	637.99	91.75
		For Colored Vinyl, Add	*45.45*	
		For Tinted Glass, Add	*54.54*	
		For Low-E Insulated Glass, Add	*113.62*	
		For Obscure Glass, Add	*124.98*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	648.68	93.16
		For Colored Vinyl, Add	*46.24*	
		For Tinted Glass, Add	*55.48*	
		For Low-E Insulated Glass, Add	*115.59*	
		For Obscure Glass, Add	*127.15*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	682.91	95.98
		For Colored Vinyl, Add	*49.09*	
		For Tinted Glass, Add	*58.91*	
		For Low-E Insulated Glass, Add	*122.74*	
		For Obscure Glass, Add	*135.01*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	736.04	101.63
		For Colored Vinyl, Add	*53.28*	
		For Tinted Glass, Add	*63.93*	
		For Low-E Insulated Glass, Add	*133.20*	
		For Obscure Glass, Add	*146.51*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	625.65	91.75
		For Colored Vinyl, Add	*44.22*	
		For Tinted Glass, Add	*53.06*	
		For Low-E Insulated Glass, Add	*110.54*	
		For Obscure Glass, Add	*121.59*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	649.32	94.57
		For Colored Vinyl, Add	*46.02*	
		For Tinted Glass, Add	*55.22*	
		For Low-E Insulated Glass, Add	*115.04*	
		For Obscure Glass, Add	*126.55*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	665.50	95.98
		For Colored Vinyl, Add	*47.35*	
		For Tinted Glass, Add	*56.82*	
		For Low-E Insulated Glass, Add	*118.38*	
		For Obscure Glass, Add	*130.22*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	676.19	97.40
		For Colored Vinyl, Add	*48.14*	
		For Tinted Glass, Add	*57.77*	
		For Low-E Insulated Glass, Add	*120.35*	
		For Obscure Glass, Add	*132.39*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	710.42	100.22
		For Colored Vinyl, Add	*51.00*	
		For Tinted Glass, Add	*61.20*	
		For Low-E Insulated Glass, Add	*127.50*	
		For Obscure Glass, Add	*140.24*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	763.55	105.86
		For Colored Vinyl, Add	*55.18*	
		For Tinted Glass, Add	*66.22*	
		For Low-E Insulated Glass, Add	*137.96*	
		For Obscure Glass, Add	*151.75*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	667.13	74.11
		For Colored Vinyl, Add	*51.89*	
		For Tinted Glass, Add	*62.27*	
		For Low-E Insulated Glass, Add	*129.73*	
		For Obscure Glass, Add	*142.70*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	731.26	81.16
		For Colored Vinyl, Add	*56.89*	
		For Tinted Glass, Add	*68.27*	
		For Low-E Insulated Glass, Add	*142.23*	
		For Obscure Glass, Add	*156.46*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	790.31	88.22
		For Colored Vinyl, Add	*61.39*	
		For Tinted Glass, Add	*73.66*	
		For Low-E Insulated Glass, Add	*153.47*	
		For Obscure Glass, Add	*168.81*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	831.59	95.28
		For Colored Vinyl, Add	*64.10*	
		For Tinted Glass, Add	*76.92*	
		For Low-E Insulated Glass, Add	*160.26*	
		For Obscure Glass, Add	*176.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	874.90	102.34
		For Colored Vinyl, Add	*67.02*	
		For Tinted Glass, Add	*80.43*	
		For Low-E Insulated Glass, Add	*167.56*	
		For Obscure Glass, Add	*184.31*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	949.95	109.39
		For Colored Vinyl, Add	*73.12*	
		For Tinted Glass, Add	*87.74*	
		For Low-E Insulated Glass, Add	*182.79*	
		For Obscure Glass, Add	*201.07*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	7.93	0.92
		For Colored Vinyl, Add	*0.61*	
		For Tinted Glass, Add	*0.73*	
		For Low-E Insulated Glass, Add	*1.52*	
		For Obscure Glass, Add	*1.67*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	648.58	64.93
		For Colored Vinyl, Add	*51.87*	
		For Tinted Glass, Add	*62.25*	
		For Low-E Insulated Glass, Add	*129.68*	
		For Obscure Glass, Add	*142.65*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	672.25	67.75
		For Colored Vinyl, Add	*53.67*	
		For Tinted Glass, Add	*64.41*	
		For Low-E Insulated Glass, Add	*134.19*	
		For Obscure Glass, Add	*147.60*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	683.70	69.17
		For Colored Vinyl, Add	*54.54*	
		For Tinted Glass, Add	*65.44*	
		For Low-E Insulated Glass, Add	*136.34*	
		For Obscure Glass, Add	*149.98*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	694.39	70.58
		For Colored Vinyl, Add	*55.32*	
		For Tinted Glass, Add	*66.39*	
		For Low-E Insulated Glass, Add	*138.31*	
		For Obscure Glass, Add	*152.14*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	720.40	73.40
		For Colored Vinyl, Add	*57.36*	
		For Tinted Glass, Add	*68.83*	
		For Low-E Insulated Glass, Add	*143.40*	
		For Obscure Glass, Add	*157.74*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	762.82	79.05
		For Colored Vinyl, Add	*60.47*	
		For Tinted Glass, Add	*72.57*	
		For Low-E Insulated Glass, Add	*151.18*	
		For Obscure Glass, Add	*166.30*	

08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	657.74	66.34
		For Colored Vinyl, Add	*52.51*	
		For Tinted Glass, Add	*63.01*	
		For Low-E Insulated Glass, Add	*131.27*	
		For Obscure Glass, Add	*144.39*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	681.42	69.17
		For Colored Vinyl, Add	*54.31*	
		For Tinted Glass, Add	*65.17*	
		For Low-E Insulated Glass, Add	*135.77*	
		For Obscure Glass, Add	*149.35*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	692.87	70.58
		For Colored Vinyl, Add	*55.17*	
		For Tinted Glass, Add	*66.21*	
		For Low-E Insulated Glass, Add	*137.93*	
		For Obscure Glass, Add	*151.72*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	703.57	71.99
		For Colored Vinyl, Add	*55.96*	
		For Tinted Glass, Add	*67.15*	
		For Low-E Insulated Glass, Add	*139.90*	
		For Obscure Glass, Add	*153.89*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	729.57	74.81
		For Colored Vinyl, Add	*58.00*	
		For Tinted Glass, Add	*69.59*	
		For Low-E Insulated Glass, Add	*144.99*	
		For Obscure Glass, Add	*159.49*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	771.99	80.46
		For Colored Vinyl, Add	*61.11*	
		For Tinted Glass, Add	*73.33*	
		For Low-E Insulated Glass, Add	*152.77*	
		For Obscure Glass, Add	*168.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	666.01	67.75
		For Colored Vinyl, Add	*53.05*	
		For Tinted Glass, Add	*63.66*	
		For Low-E Insulated Glass, Add	*132.63*	
		For Obscure Glass, Add	*145.89*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	689.67	70.58
		For Colored Vinyl, Add	*54.85*	
		For Tinted Glass, Add	*65.82*	
		For Low-E Insulated Glass, Add	*137.13*	
		For Obscure Glass, Add	*150.84*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	701.49	71.99
		For Colored Vinyl, Add	*55.75*	
		For Tinted Glass, Add	*66.90*	
		For Low-E Insulated Glass, Add	*139.38*	
		For Obscure Glass, Add	*153.32*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	712.18	73.40
		For Colored Vinyl, Add	*56.54*	
		For Tinted Glass, Add	*67.85*	
		For Low-E Insulated Glass, Add	*141.35*	
		For Obscure Glass, Add	*155.48*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	738.70	76.22
		For Colored Vinyl, Add	*58.63*	
		For Tinted Glass, Add	*70.35*	
		For Low-E Insulated Glass, Add	*146.56*	
		For Obscure Glass, Add	*161.22*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	781.62	81.87
		For Colored Vinyl, Add	*61.79*	
		For Tinted Glass, Add	*74.15*	
		For Low-E Insulated Glass, Add	*154.47*	
		For Obscure Glass, Add	*169.92*	

08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	694.23	71.99
		For Colored Vinyl, Add	*55.03*	
		For Tinted Glass, Add	*66.03*	
		For Low-E Insulated Glass, Add	*137.56*	
		For Obscure Glass, Add	*151.32*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	717.89	74.81
		For Colored Vinyl, Add	*56.83*	
		For Tinted Glass, Add	*68.19*	
		For Low-E Insulated Glass, Add	*142.07*	
		For Obscure Glass, Add	*156.27*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	727.63	76.22
		For Colored Vinyl, Add	*57.52*	
		For Tinted Glass, Add	*69.02*	
		For Low-E Insulated Glass, Add	*143.80*	
		For Obscure Glass, Add	*158.17*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	738.32	77.63
		For Colored Vinyl, Add	*58.31*	
		For Tinted Glass, Add	*69.97*	
		For Low-E Insulated Glass, Add	*145.76*	
		For Obscure Glass, Add	*160.34*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	765.94	80.46
		For Colored Vinyl, Add	*60.50*	
		For Tinted Glass, Add	*72.60*	
		For Low-E Insulated Glass, Add	*151.26*	
		For Obscure Glass, Add	*166.38*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	811.42	86.10
		For Colored Vinyl, Add	*63.92*	
		For Tinted Glass, Add	*76.71*	
		For Low-E Insulated Glass, Add	*159.80*	
		For Obscure Glass, Add	*175.78*	

08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	702.43	73.40
		For Colored Vinyl, Add	*55.56*	
		For Tinted Glass, Add	*66.68*	
		For Low-E Insulated Glass, Add	*138.91*	
		For Obscure Glass, Add	*152.80*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	726.10	76.22
		For Colored Vinyl, Add	*57.37*	
		For Tinted Glass, Add	*68.84*	
		For Low-E Insulated Glass, Add	*143.41*	
		For Obscure Glass, Add	*157.75*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	736.39	77.63
		For Colored Vinyl, Add	*58.11*	
		For Tinted Glass, Add	*69.73*	
		For Low-E Insulated Glass, Add	*145.28*	
		For Obscure Glass, Add	*159.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	747.08	79.05
		For Colored Vinyl, Add	*58.90*	
		For Tinted Glass, Add	*70.68*	
		For Low-E Insulated Glass, Add	*147.25*	
		For Obscure Glass, Add	*161.97*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	775.07	81.87
		For Colored Vinyl, Add	*61.13*	
		For Tinted Glass, Add	*73.36*	
		For Low-E Insulated Glass, Add	*152.83*	
		For Obscure Glass, Add	*168.12*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	822.05	87.52
		For Colored Vinyl, Add	*64.70*	
		For Tinted Glass, Add	*77.64*	
		For Low-E Insulated Glass, Add	*161.76*	
		For Obscure Glass, Add	*177.93*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	710.73	74.81
		For Colored Vinyl, Add	*56.11*	
		For Tinted Glass, Add	*67.33*	
		For Low-E Insulated Glass, Add	*140.28*	
		For Obscure Glass, Add	*154.31*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	734.41	77.63
		For Colored Vinyl, Add	*57.91*	
		For Tinted Glass, Add	*69.50*	
		For Low-E Insulated Glass, Add	*144.79*	
		For Obscure Glass, Add	*159.26*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	745.00	79.05
		For Colored Vinyl, Add	*58.69*	
		For Tinted Glass, Add	*70.43*	
		For Low-E Insulated Glass, Add	*146.73*	
		For Obscure Glass, Add	*161.40*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	755.69	80.46
		For Colored Vinyl, Add	*59.48*	
		For Tinted Glass, Add	*71.37*	
		For Low-E Insulated Glass, Add	*148.70*	
		For Obscure Glass, Add	*163.56*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.19	83.28
		For Colored Vinyl, Add	*61.76*	
		For Tinted Glass, Add	*74.12*	
		For Low-E Insulated Glass, Add	*154.41*	
		For Obscure Glass, Add	*169.85*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	832.49	88.93
		For Colored Vinyl, Add	*65.46*	
		For Tinted Glass, Add	*78.56*	
		For Low-E Insulated Glass, Add	*163.66*	
		For Obscure Glass, Add	*180.03*	

08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	718.95	76.22
		For Colored Vinyl, Add	*56.65*	
		For Tinted Glass, Add	*67.98*	
		For Low-E Insulated Glass, Add	*141.63*	
		For Obscure Glass, Add	*155.79*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	742.61	79.05
		For Colored Vinyl, Add	*58.45*	
		For Tinted Glass, Add	*70.14*	
		For Low-E Insulated Glass, Add	*146.13*	
		For Obscure Glass, Add	*160.74*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	753.71	80.46
		For Colored Vinyl, Add	*59.28*	
		For Tinted Glass, Add	*71.14*	
		For Low-E Insulated Glass, Add	*148.20*	
		For Obscure Glass, Add	*163.02*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	764.41	81.87
		For Colored Vinyl, Add	*60.07*	
		For Tinted Glass, Add	*72.08*	
		For Low-E Insulated Glass, Add	*150.17*	
		For Obscure Glass, Add	*165.18*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	793.30	84.69
		For Colored Vinyl, Add	*62.39*	
		For Tinted Glass, Add	*74.87*	
		For Low-E Insulated Glass, Add	*155.98*	
		For Obscure Glass, Add	*171.58*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	843.09	90.34
		For Colored Vinyl, Add	*66.24*	
		For Tinted Glass, Add	*79.49*	
		For Low-E Insulated Glass, Add	*165.60*	
		For Obscure Glass, Add	*182.16*	

08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	727.20	77.63
		For Colored Vinyl, Add	*57.19*	
		For Tinted Glass, Add	*68.63*	
		For Low-E Insulated Glass, Add	*142.98*	
		For Obscure Glass, Add	*157.28*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	750.86	80.46
		For Colored Vinyl, Add	*59.00*	
		For Tinted Glass, Add	*70.79*	
		For Low-E Insulated Glass, Add	*147.49*	
		For Obscure Glass, Add	*162.24*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	762.33	81.87
		For Colored Vinyl, Add	*59.86*	
		For Tinted Glass, Add	*71.83*	
		For Low-E Insulated Glass, Add	*149.65*	
		For Obscure Glass, Add	*164.61*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	773.02	83.28
		For Colored Vinyl, Add	*60.65*	
		For Tinted Glass, Add	*72.78*	
		For Low-E Insulated Glass, Add	*151.62*	
		For Obscure Glass, Add	*166.78*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	803.29	86.10
		For Colored Vinyl, Add	*63.11*	
		For Tinted Glass, Add	*75.73*	
		For Low-E Insulated Glass, Add	*157.77*	
		For Obscure Glass, Add	*173.55*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	853.47	91.75
		For Colored Vinyl, Add	*67.00*	
		For Tinted Glass, Add	*80.40*	
		For Low-E Insulated Glass, Add	*167.49*	
		For Obscure Glass, Add	*184.24*	

08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	735.50	79.05
		For Colored Vinyl, Add	*57.74*	
		For Tinted Glass, Add	*69.29*	
		For Low-E Insulated Glass, Add	*144.35*	
		For Obscure Glass, Add	*158.79*	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	759.18	81.87
		For Colored Vinyl, Add	*59.54*	
		For Tinted Glass, Add	*71.45*	
		For Low-E Insulated Glass, Add	*148.86*	
		For Obscure Glass, Add	*163.75*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	771.09	83.28
		For Colored Vinyl, Add	*60.45*	
		For Tinted Glass, Add	*72.54*	
		For Low-E Insulated Glass, Add	*151.13*	
		For Obscure Glass, Add	*166.25*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	781.78	84.69
		For Colored Vinyl, Add	*61.24*	
		For Tinted Glass, Add	*73.49*	
		For Low-E Insulated Glass, Add	*153.10*	
		For Obscure Glass, Add	*168.41*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	813.27	87.52
		For Colored Vinyl, Add	*63.82*	
		For Tinted Glass, Add	*76.59*	
		For Low-E Insulated Glass, Add	*159.56*	
		For Obscure Glass, Add	*175.52*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	863.91	93.16
		For Colored Vinyl, Add	*67.76*	
		For Tinted Glass, Add	*81.31*	
		For Low-E Insulated Glass, Add	*169.40*	
		For Obscure Glass, Add	*186.34*	

08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	760.37	83.28
		For Colored Vinyl, Add	*59.38*	
		For Tinted Glass, Add	*71.26*	
		For Low-E Insulated Glass, Add	*148.45*	
		For Obscure Glass, Add	*163.30*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.05	86.10
		For Colored Vinyl, Add	*61.18*	
		For Tinted Glass, Add	*73.42*	
		For Low-E Insulated Glass, Add	*152.96*	
		For Obscure Glass, Add	*168.26*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	798.95	87.52
		For Colored Vinyl, Add	*62.39*	
		For Tinted Glass, Add	*74.87*	
		For Low-E Insulated Glass, Add	*155.98*	
		For Obscure Glass, Add	*171.58*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	809.64	88.93
		For Colored Vinyl, Add	*63.18*	
		For Tinted Glass, Add	*75.81*	
		For Low-E Insulated Glass, Add	*157.95*	
		For Obscure Glass, Add	*173.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	843.07	91.75
		For Colored Vinyl, Add	*65.96*	
		For Tinted Glass, Add	*79.15*	
		For Low-E Insulated Glass, Add	*164.89*	
		For Obscure Glass, Add	*181.38*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	895.33	97.40
		For Colored Vinyl, Add	*70.05*	
		For Tinted Glass, Add	*84.06*	
		For Low-E Insulated Glass, Add	*175.14*	
		For Obscure Glass, Add	*192.65*	

08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	768.63	84.69
		For Colored Vinyl, Add	*59.93*	
		For Tinted Glass, Add	*71.91*	
		For Low-E Insulated Glass, Add	*149.81*	
		For Obscure Glass, Add	*164.79*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	792.30	87.52
		For Colored Vinyl, Add	*61.73*	
		For Tinted Glass, Add	*74.07*	
		For Low-E Insulated Glass, Add	*154.32*	
		For Obscure Glass, Add	*169.75*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	808.42	88.93
		For Colored Vinyl, Add	*63.06*	
		For Tinted Glass, Add	*75.67*	
		For Low-E Insulated Glass, Add	*157.64*	
		For Obscure Glass, Add	*173.41*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	819.12	90.34
		For Colored Vinyl, Add	*63.84*	
		For Tinted Glass, Add	*76.61*	
		For Low-E Insulated Glass, Add	*159.61*	
		For Obscure Glass, Add	*175.57*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	852.94	93.16
		For Colored Vinyl, Add	*66.66*	
		For Tinted Glass, Add	*79.99*	
		For Low-E Insulated Glass, Add	*166.66*	
		For Obscure Glass, Add	*183.32*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	906.78	98.81
		For Colored Vinyl, Add	*70.92*	
		For Tinted Glass, Add	*85.10*	
		For Low-E Insulated Glass, Add	*177.29*	
		For Obscure Glass, Add	*195.02*	

08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	786.97	87.52
		For Colored Vinyl, Add	*61.19*	
		For Tinted Glass, Add	*73.43*	
		For Low-E Insulated Glass, Add	*152.99*	
		For Obscure Glass, Add	*168.28*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	810.64	90.34
		For Colored Vinyl, Add	*63.00*	
		For Tinted Glass, Add	*75.60*	
		For Low-E Insulated Glass, Add	*157.49*	
		For Obscure Glass, Add	*173.24*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	827.43	91.75
		For Colored Vinyl, Add	*64.39*	
		For Tinted Glass, Add	*77.27*	
		For Low-E Insulated Glass, Add	*160.98*	
		For Obscure Glass, Add	*177.08*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	838.12	93.16
		For Colored Vinyl, Add	*65.18*	
		For Tinted Glass, Add	*78.22*	
		For Low-E Insulated Glass, Add	*162.95*	
		For Obscure Glass, Add	*179.25*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	872.91	95.98
		For Colored Vinyl, Add	*68.09*	
		For Tinted Glass, Add	*81.71*	
		For Low-E Insulated Glass, Add	*170.24*	
		For Obscure Glass, Add	*187.26*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	928.88	101.63
		For Colored Vinyl, Add	*72.56*	
		For Tinted Glass, Add	*87.07*	
		For Low-E Insulated Glass, Add	*181.41*	
		For Obscure Glass, Add	*199.55*	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	814.48	91.75
		For Colored Vinyl, Add	*63.10*	
		For Tinted Glass, Add	*75.72*	
		For Low-E Insulated Glass, Add	*157.75*	
		For Obscure Glass, Add	*173.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	838.15	94.57
		For Colored Vinyl, Add	*64.90*	
		For Tinted Glass, Add	*77.88*	
		For Low-E Insulated Glass, Add	*162.25*	
		For Obscure Glass, Add	*178.48*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	854.94	95.98
		For Colored Vinyl, Add	*66.30*	
		For Tinted Glass, Add	*79.56*	
		For Low-E Insulated Glass, Add	*165.74*	
		For Obscure Glass, Add	*182.32*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	865.63	97.40
		For Colored Vinyl, Add	*67.08*	
		For Tinted Glass, Add	*80.50*	
		For Low-E Insulated Glass, Add	*167.71*	
		For Obscure Glass, Add	*184.48*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	900.42	100.22
		For Colored Vinyl, Add	*70.00*	
		For Tinted Glass, Add	*84.00*	
		For Low-E Insulated Glass, Add	*175.00*	
		For Obscure Glass, Add	*192.49*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	956.39	105.86
		For Colored Vinyl, Add	*74.47*	
		For Tinted Glass, Add	*89.36*	
		For Low-E Insulated Glass, Add	*186.17*	
		For Obscure Glass, Add	*204.78*	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	796.86	74.11
		For Colored Vinyl, Add	*64.87*	
		For Tinted Glass, Add	*77.84*	
		For Low-E Insulated Glass, Add	*162.16*	
		For Obscure Glass, Add	*178.38*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	878.76	81.16
		For Colored Vinyl, Add	*71.64*	
		For Tinted Glass, Add	*85.97*	
		For Low-E Insulated Glass, Add	*179.11*	
		For Obscure Glass, Add	*197.02*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	955.58	88.22
		For Colored Vinyl, Add	*77.91*	
		For Tinted Glass, Add	*93.50*	
		For Low-E Insulated Glass, Add	*194.79*	
		For Obscure Glass, Add	*214.26*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,011.08	95.28
		For Colored Vinyl, Add	*82.05*	
		For Tinted Glass, Add	*98.46*	
		For Low-E Insulated Glass, Add	*205.13*	
		For Obscure Glass, Add	*225.64*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,070.38	102.34
		For Colored Vinyl, Add	*86.57*	
		For Tinted Glass, Add	*103.89*	
		For Low-E Insulated Glass, Add	*216.43*	
		For Obscure Glass, Add	*238.07*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,163.20	109.39
		For Colored Vinyl, Add	*94.44*	
		For Tinted Glass, Add	*113.33*	
		For Low-E Insulated Glass, Add	*236.10*	
		For Obscure Glass, Add	*259.71*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	9.71	0.92
		For Colored Vinyl, Add	*0.79*	
		For Tinted Glass, Add	*0.94*	
		For Low-E Insulated Glass, Add	*1.97*	
		For Obscure Glass, Add	*2.16*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	594.62	53.64
		For Colored Vinyl, Add	*48.88*	
		For Tinted Glass, Add	*58.65*	
		For Low-E Insulated Glass, Add	*122.19*	
		For Obscure Glass, Add	*134.41*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	615.36	55.05
		For Colored Vinyl, Add	*50.53*	
		For Tinted Glass, Add	*60.63*	
		For Low-E Insulated Glass, Add	*126.32*	
		For Obscure Glass, Add	*138.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	637.51	57.87
		For Colored Vinyl, Add	*52.18*	
		For Tinted Glass, Add	*62.61*	
		For Low-E Insulated Glass, Add	*130.44*	
		For Obscure Glass, Add	*143.48*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	677.83	60.70
		For Colored Vinyl, Add	*55.64*	
		For Tinted Glass, Add	*66.77*	
		For Low-E Insulated Glass, Add	*139.11*	
		For Obscure Glass, Add	*153.02*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	630.99	56.46
		For Colored Vinyl, Add	*51.95*	
		For Tinted Glass, Add	*62.34*	
		For Low-E Insulated Glass, Add	*129.87*	
		For Obscure Glass, Add	*142.86*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	653.61	57.87
		For Colored Vinyl, Add	*53.79*	
		For Tinted Glass, Add	*64.54*	
		For Low-E Insulated Glass, Add	*134.47*	
		For Obscure Glass, Add	*147.91*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	677.58	60.70
		For Colored Vinyl, Add	*55.62*	
		For Tinted Glass, Add	*66.74*	
		For Low-E Insulated Glass, Add	*139.05*	
		For Obscure Glass, Add	*152.95*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	720.14	63.52
		For Colored Vinyl, Add	*59.31*	
		For Tinted Glass, Add	*71.17*	
		For Low-E Insulated Glass, Add	*148.28*	
		For Obscure Glass, Add	*163.10*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	673.87	60.70
		For Colored Vinyl, Add	*55.25*	
		For Tinted Glass, Add	*66.30*	
		For Low-E Insulated Glass, Add	*138.12*	
		For Obscure Glass, Add	*151.93*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	697.41	63.52
		For Colored Vinyl, Add	*57.18*	
		For Tinted Glass, Add	*68.61*	
		For Low-E Insulated Glass, Add	*142.95*	
		For Obscure Glass, Add	*157.24*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	722.39	65.64
		For Colored Vinyl, Add	*59.11*	
		For Tinted Glass, Add	*70.93*	
		For Low-E Insulated Glass, Add	*147.78*	
		For Obscure Glass, Add	*162.56*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	766.73	68.46
		For Colored Vinyl, Add	*62.98*	
		For Tinted Glass, Add	*75.58*	
		For Low-E Insulated Glass, Add	*157.45*	
		For Obscure Glass, Add	*173.20*	

08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	712.77	64.93
		For Colored Vinyl, Add	*58.43*	
		For Tinted Glass, Add	*70.12*	
		For Low-E Insulated Glass, Add	*146.08*	
		For Obscure Glass, Add	*160.69*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	737.61	66.34
		For Colored Vinyl, Add	*60.49*	
		For Tinted Glass, Add	*72.59*	
		For Low-E Insulated Glass, Add	*151.23*	
		For Obscure Glass, Add	*166.36*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	763.88	69.17
		For Colored Vinyl, Add	*62.56*	
		For Tinted Glass, Add	*75.07*	
		For Low-E Insulated Glass, Add	*156.39*	
		For Obscure Glass, Add	*172.03*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	811.87	71.99
		For Colored Vinyl, Add	*66.79*	
		For Tinted Glass, Add	*80.15*	
		For Low-E Insulated Glass, Add	*166.97*	
		For Obscure Glass, Add	*183.67*	

08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	756.20	70.58
		For Colored Vinyl, Add	*61.65*	
		For Tinted Glass, Add	*73.98*	
		For Low-E Insulated Glass, Add	*154.12*	
		For Obscure Glass, Add	*169.53*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	782.17	71.99
		For Colored Vinyl, Add	*63.82*	
		For Tinted Glass, Add	*76.58*	
		For Low-E Insulated Glass, Add	*159.55*	
		For Obscure Glass, Add	*175.50*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	809.59	74.81
		For Colored Vinyl, Add	*66.00*	
		For Tinted Glass, Add	*79.20*	
		For Low-E Insulated Glass, Add	*164.99*	
		For Obscure Glass, Add	*181.49*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	862.41	77.63
		For Colored Vinyl, Add	*70.71*	
		For Tinted Glass, Add	*84.86*	
		For Low-E Insulated Glass, Add	*176.79*	
		For Obscure Glass, Add	*194.46*	
08 53 13 00-0231		52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	793.84	73.40
		For Colored Vinyl, Add	*64.85*	
		For Tinted Glass, Add	*77.81*	
		For Low-E Insulated Glass, Add	*162.11*	
		For Obscure Glass, Add	*178.32*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	821.32	74.81
		For Colored Vinyl, Add	*67.17*	
		For Tinted Glass, Add	*80.60*	
		For Low-E Insulated Glass, Add	*167.93*	
		For Obscure Glass, Add	*184.72*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	850.18	77.63
		For Colored Vinyl, Add	*69.49*	
		For Tinted Glass, Add	*83.39*	
		For Low-E Insulated Glass, Add	*173.73*	
		For Obscure Glass, Add	*191.10*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	903.90	80.46
		For Colored Vinyl, Add	*74.30*	
		For Tinted Glass, Add	*89.16*	
		For Low-E Insulated Glass, Add	*185.75*	
		For Obscure Glass, Add	*204.32*	
08 53 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	835.70	77.63
		For Colored Vinyl, Add	*68.04*	
		For Tinted Glass, Add	*81.65*	
		For Low-E Insulated Glass, Add	*170.11*	
		For Obscure Glass, Add	*187.12*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	864.66	80.46
		For Colored Vinyl, Add	*70.52*	
		For Tinted Glass, Add	*84.62*	
		For Low-E Insulated Glass, Add	*176.29*	
		For Obscure Glass, Add	*193.92*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	895.04	82.57
		For Colored Vinyl, Add	*72.99*	
		For Tinted Glass, Add	*87.59*	
		For Low-E Insulated Glass, Add	*182.47*	
		For Obscure Glass, Add	*200.72*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	949.64	85.40
		For Colored Vinyl, Add	*77.88*	
		For Tinted Glass, Add	*93.46*	
		For Low-E Insulated Glass, Add	*194.71*	
		For Obscure Glass, Add	*214.18*	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	873.99	81.87
		For Colored Vinyl, Add	*71.17*	
		For Tinted Glass, Add	*85.40*	
		For Low-E Insulated Glass, Add	*177.92*	
		For Obscure Glass, Add	*195.71*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	903.71	83.28
		For Colored Vinyl, Add	*73.72*	
		For Tinted Glass, Add	*88.46*	
		For Low-E Insulated Glass, Add	*184.29*	
		For Obscure Glass, Add	*202.72*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	936.12	86.10
		For Colored Vinyl, Add	*76.39*	
		For Tinted Glass, Add	*91.67*	
		For Low-E Insulated Glass, Add	*190.98*	
		For Obscure Glass, Add	*210.08*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0245		EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	989.44	88.93
			For Colored Vinyl, Add	*81.16*	
			For Tinted Glass, Add	*97.39*	
			For Low-E Insulated Glass, Add	*202.90*	
			For Obscure Glass, Add	*223.19*	

08 53 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0247		EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	920.78	86.10
			For Colored Vinyl, Add	*74.86*	
			For Tinted Glass, Add	*89.83*	
			For Low-E Insulated Glass, Add	*187.14*	
			For Obscure Glass, Add	*205.86*	
08 53 13 00-0248		EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	952.08	88.93
			For Colored Vinyl, Add	*77.56*	
			For Tinted Glass, Add	*93.08*	
			For Low-E Insulated Glass, Add	*193.91*	
			For Obscure Glass, Add	*213.30*	
08 53 13 00-0249		EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	983.06	91.04
			For Colored Vinyl, Add	*80.10*	
			For Tinted Glass, Add	*96.12*	
			For Low-E Insulated Glass, Add	*200.24*	
			For Obscure Glass, Add	*220.27*	
08 53 13 00-0250		EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,035.72	93.87
			For Colored Vinyl, Add	*84.80*	
			For Tinted Glass, Add	*101.76*	
			For Low-E Insulated Glass, Add	*212.00*	
			For Obscure Glass, Add	*233.20*	

08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0253		EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,205.12	71.99
			For Colored Vinyl, Add	*106.11*	
			For Tinted Glass, Add	*127.34*	
			For Low-E Insulated Glass, Add	*265.29*	
			For Obscure Glass, Add	*291.81*	
08 53 13 00-0254		EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,248.31	77.63
			For Colored Vinyl, Add	*109.45*	
			For Tinted Glass, Add	*131.33*	
			For Low-E Insulated Glass, Add	*273.61*	
			For Obscure Glass, Add	*300.97*	
08 53 13 00-0255		EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,292.96	83.28
			For Colored Vinyl, Add	*112.78*	
			For Tinted Glass, Add	*135.34*	
			For Low-E Insulated Glass, Add	*281.95*	
			For Obscure Glass, Add	*310.15*	
08 53 13 00-0256		EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,343.81	88.22
			For Colored Vinyl, Add	*116.74*	
			For Tinted Glass, Add	*140.08*	
			For Low-E Insulated Glass, Add	*291.84*	
			For Obscure Glass, Add	*321.03*	

08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0258		EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,276.35	75.52
			For Colored Vinyl, Add	*112.53*	
			For Tinted Glass, Add	*135.04*	
			For Low-E Insulated Glass, Add	*281.33*	
			For Obscure Glass, Add	*309.46*	
08 53 13 00-0259		EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,322.28	80.46
			For Colored Vinyl, Add	*116.14*	
			For Tinted Glass, Add	*139.36*	
			For Low-E Insulated Glass, Add	*290.34*	
			For Obscure Glass, Add	*319.38*	
08 53 13 00-0260		EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,369.69	86.10
			For Colored Vinyl, Add	*119.75*	
			For Tinted Glass, Add	*143.70*	
			For Low-E Insulated Glass, Add	*299.37*	
			For Obscure Glass, Add	*329.31*	
08 53 13 00-0261		EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,418.85	91.75
			For Colored Vinyl, Add	*123.54*	
			For Tinted Glass, Add	*148.24*	
			For Low-E Insulated Glass, Add	*308.84*	
			For Obscure Glass, Add	*339.72*	

08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,353.10	81.16
		For Colored Vinyl, Add	*119.08*	
		For Tinted Glass, Add	*142.89*	
		For Low-E Insulated Glass, Add	*297.69*	
		For Obscure Glass, Add	*327.46*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,401.01	86.10
		For Colored Vinyl, Add	*122.88*	
		For Tinted Glass, Add	*147.46*	
		For Low-E Insulated Glass, Add	*307.20*	
		For Obscure Glass, Add	*337.92*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,450.38	91.75
		For Colored Vinyl, Add	*126.69*	
		For Tinted Glass, Add	*152.03*	
		For Low-E Insulated Glass, Add	*316.72*	
		For Obscure Glass, Add	*348.39*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,504.17	97.40
		For Colored Vinyl, Add	*130.94*	
		For Tinted Glass, Add	*157.13*	
		For Low-E Insulated Glass, Add	*327.35*	
		For Obscure Glass, Add	*360.08*	

08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,424.04	83.99
		For Colored Vinyl, Add	*125.61*	
		For Tinted Glass, Add	*150.73*	
		For Low-E Insulated Glass, Add	*314.02*	
		For Obscure Glass, Add	*345.42*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,474.59	88.93
		For Colored Vinyl, Add	*129.67*	
		For Tinted Glass, Add	*155.61*	
		For Low-E Insulated Glass, Add	*324.19*	
		For Obscure Glass, Add	*356.60*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,526.56	94.57
		For Colored Vinyl, Add	*133.74*	
		For Tinted Glass, Add	*160.49*	
		For Low-E Insulated Glass, Add	*334.35*	
		For Obscure Glass, Add	*367.79*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,581.26	100.22
		For Colored Vinyl, Add	*138.08*	
		For Tinted Glass, Add	*165.70*	
		For Low-E Insulated Glass, Add	*345.21*	
		For Obscure Glass, Add	*379.73*	

08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,499.22	88.93
		For Colored Vinyl, Add	*132.14*	
		For Tinted Glass, Add	*158.56*	
		For Low-E Insulated Glass, Add	*330.34*	
		For Obscure Glass, Add	*363.38*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,552.41	94.57
		For Colored Vinyl, Add	*136.47*	
		For Tinted Glass, Add	*163.76*	
		For Low-E Insulated Glass, Add	*341.17*	
		For Obscure Glass, Add	*375.29*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,606.97	100.22
		For Colored Vinyl, Add	*140.79*	
		For Tinted Glass, Add	*168.95*	
		For Low-E Insulated Glass, Add	*351.99*	
		For Obscure Glass, Add	*387.18*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,662.53	105.16
		For Colored Vinyl, Add	*145.22*	
		For Tinted Glass, Add	*174.27*	
		For Low-E Insulated Glass, Add	*363.05*	
		For Obscure Glass, Add	*399.36*	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,573.71	92.46
		For Colored Vinyl, Add	*138.88*	
		For Tinted Glass, Add	*166.66*	
		For Low-E Insulated Glass, Add	*347.20*	
		For Obscure Glass, Add	*381.92*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,626.90	97.40
		For Colored Vinyl, Add	*143.21*	
		For Tinted Glass, Add	*171.85*	
		For Low-E Insulated Glass, Add	*358.03*	
		For Obscure Glass, Add	*393.83*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,681.24	103.04
		For Colored Vinyl, Add	*147.52*	
		For Tinted Glass, Add	*177.02*	
		For Low-E Insulated Glass, Add	*368.79*	
		For Obscure Glass, Add	*405.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,737.02	108.69
		For Colored Vinyl, Add	*151.96*	
		For Tinted Glass, Add	*182.36*	
		For Low-E Insulated Glass, Add	*379.91*	
		For Obscure Glass, Add	*417.90*	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,655.38	97.40
		For Colored Vinyl, Add	*146.06*	
		For Tinted Glass, Add	*175.27*	
		For Low-E Insulated Glass, Add	*365.15*	
		For Obscure Glass, Add	*401.66*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,708.57	103.04
		For Colored Vinyl, Add	*150.39*	
		For Tinted Glass, Add	*180.47*	
		For Low-E Insulated Glass, Add	*375.98*	
		For Obscure Glass, Add	*413.57*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,763.17	108.69
		For Colored Vinyl, Add	*154.72*	
		For Tinted Glass, Add	*185.67*	
		For Low-E Insulated Glass, Add	*386.80*	
		For Obscure Glass, Add	*425.48*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,818.75	113.63
		For Colored Vinyl, Add	*159.15*	
		For Tinted Glass, Add	*190.98*	
		For Low-E Insulated Glass, Add	*397.87*	
		For Obscure Glass, Add	*437.66*	

08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,486.54	91.75
		For Colored Vinyl, Add	*130.30*	
		For Tinted Glass, Add	*156.36*	
		For Low-E Insulated Glass, Add	*325.76*	
		For Obscure Glass, Add	*358.34*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,555.53	98.81
		For Colored Vinyl, Add	*135.79*	
		For Tinted Glass, Add	*162.95*	
		For Low-E Insulated Glass, Add	*339.48*	
		For Obscure Glass, Add	*373.43*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,679.99	109.39
		For Colored Vinyl, Add	*146.12*	
		For Tinted Glass, Add	*175.34*	
		For Low-E Insulated Glass, Add	*365.30*	
		For Obscure Glass, Add	*401.83*	

08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,585.14	95.98
		For Colored Vinyl, Add	*139.46*	
		For Tinted Glass, Add	*167.35*	
		For Low-E Insulated Glass, Add	*348.65*	
		For Obscure Glass, Add	*383.51*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,654.70	102.34
		For Colored Vinyl, Add	*145.00*	
		For Tinted Glass, Add	*174.00*	
		For Low-E Insulated Glass, Add	*362.51*	
		For Obscure Glass, Add	*398.76*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,786.57	112.92
		For Colored Vinyl, Add	*156.07*	
		For Tinted Glass, Add	*187.29*	
		For Low-E Insulated Glass, Add	*390.18*	
		For Obscure Glass, Add	*429.20*	

08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,676.29	101.63
		For Colored Vinyl, Add	*147.30*	
		For Tinted Glass, Add	*176.76*	
		For Low-E Insulated Glass, Add	*368.26*	
		For Obscure Glass, Add	*405.08*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,759.42	107.98
		For Colored Vinyl, Add	*154.35*	
		For Tinted Glass, Add	*185.22*	
		For Low-E Insulated Glass, Add	*385.87*	
		For Obscure Glass, Add	*424.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,897.63	118.57
		For Colored Vinyl, Add	*166.05*	
		For Tinted Glass, Add	*199.26*	
		For Low-E Insulated Glass, Add	*415.12*	
		For Obscure Glass, Add	*456.63*	

08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,770.34	104.45
		For Colored Vinyl, Add	*156.14*	
		For Tinted Glass, Add	*187.37*	
		For Low-E Insulated Glass, Add	*390.36*	
		For Obscure Glass, Add	*429.39*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,858.73	111.51
		For Colored Vinyl, Add	*163.57*	
		For Tinted Glass, Add	*196.29*	
		For Low-E Insulated Glass, Add	*408.93*	
		For Obscure Glass, Add	*449.82*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,017.72	121.39
		For Colored Vinyl, Add	*177.49*	
		For Tinted Glass, Add	*212.99*	
		For Low-E Insulated Glass, Add	*443.74*	
		For Obscure Glass, Add	*488.11*	

08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,868.57	109.39
		For Colored Vinyl, Add	*164.98*	
		For Tinted Glass, Add	*197.97*	
		For Low-E Insulated Glass, Add	*412.45*	
		For Obscure Glass, Add	*453.69*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,960.82	116.45
		For Colored Vinyl, Add	*172.79*	
		For Tinted Glass, Add	*207.35*	
		For Low-E Insulated Glass, Add	*431.98*	
		For Obscure Glass, Add	*475.18*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,142.04	126.33
		For Colored Vinyl, Add	*188.94*	
		For Tinted Glass, Add	*226.73*	
		For Low-E Insulated Glass, Add	*472.35*	
		For Obscure Glass, Add	*519.58*	

08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,975.45	112.92
		For Colored Vinyl, Add	*174.96*	
		For Tinted Glass, Add	*209.95*	
		For Low-E Insulated Glass, Add	*437.40*	
		For Obscure Glass, Add	*481.14*	
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,067.65	119.98
		For Colored Vinyl, Add	*182.77*	
		For Tinted Glass, Add	*219.32*	
		For Low-E Insulated Glass, Add	*456.92*	
		For Obscure Glass, Add	*502.61*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,248.88	129.86
		For Colored Vinyl, Add	*198.92*	
		For Tinted Glass, Add	*238.70*	
		For Low-E Insulated Glass, Add	*497.29*	
		For Obscure Glass, Add	*547.02*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,085.36	117.86
		For Colored Vinyl, Add	*184.96*	
		For Tinted Glass, Add	*221.96*	
		For Low-E Insulated Glass, Add	*462.41*	
		For Obscure Glass, Add	*508.65*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,177.56	124.92
		For Colored Vinyl, Add	*192.77*	
		For Tinted Glass, Add	*231.33*	
		For Low-E Insulated Glass, Add	*481.93*	
		For Obscure Glass, Add	*530.12*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,358.78	134.80
		For Colored Vinyl, Add	*208.92*	
		For Tinted Glass, Add	*250.70*	
		For Low-E Insulated Glass, Add	*522.30*	
		For Obscure Glass, Add	*574.52*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	765.84	59.99
		For Colored Vinyl, Add	*64.59*	
		For Tinted Glass, Add	*77.50*	
		For Low-E Insulated Glass, Add	*161.47*	
		For Obscure Glass, Add	*177.61*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	869.83	67.05
		For Colored Vinyl, Add	*73.57*	
		For Tinted Glass, Add	*88.29*	
		For Low-E Insulated Glass, Add	*183.93*	
		For Obscure Glass, Add	*202.33*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	963.65	74.11
		For Colored Vinyl, Add	*81.54*	
		For Tinted Glass, Add	*97.85*	
		For Low-E Insulated Glass, Add	*203.86*	
		For Obscure Glass, Add	*224.25*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,047.34	81.16
		For Colored Vinyl, Add	*88.50*	
		For Tinted Glass, Add	*106.20*	
		For Low-E Insulated Glass, Add	*221.25*	
		For Obscure Glass, Add	*243.38*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,120.85	88.22
		For Colored Vinyl, Add	*94.44*	
		For Tinted Glass, Add	*113.33*	
		For Low-E Insulated Glass, Add	*236.10*	
		For Obscure Glass, Add	*259.71*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,164.93	95.28
		For Colored Vinyl, Add	*97.44*	
		For Tinted Glass, Add	*116.92*	
		For Low-E Insulated Glass, Add	*243.59*	
		For Obscure Glass, Add	*267.95*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	11.49	0.92
		For Colored Vinyl, Add	*0.97*	
		For Tinted Glass, Add	*1.16*	
		For Low-E Insulated Glass, Add	*2.41*	
		For Obscure Glass, Add	*2.65*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,278.71	74.11
		For Colored Vinyl, Add	*113.05*	
		For Tinted Glass, Add	*135.66*	
		For Low-E Insulated Glass, Add	*282.63*	
		For Obscure Glass, Add	*310.89*	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,405.55	81.16
		For Colored Vinyl, Add	*124.32*	
		For Tinted Glass, Add	*149.19*	
		For Low-E Insulated Glass, Add	*310.81*	
		For Obscure Glass, Add	*341.89*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,522.23	88.22
		For Colored Vinyl, Add	*134.58*	
		For Tinted Glass, Add	*161.49*	
		For Low-E Insulated Glass, Add	*336.45*	
		For Obscure Glass, Add	*370.09*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,600.83	95.28
		For Colored Vinyl, Add	*141.03*	
		For Tinted Glass, Add	*169.23*	
		For Low-E Insulated Glass, Add	*352.57*	
		For Obscure Glass, Add	*387.82*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,684.76	102.34
		For Colored Vinyl, Add	*148.01*	
		For Tinted Glass, Add	*177.61*	
		For Low-E Insulated Glass, Add	*370.02*	
		For Obscure Glass, Add	*407.02*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,772.50	109.39
		For Colored Vinyl, Add	*155.37*	
		For Tinted Glass, Add	*186.45*	
		For Low-E Insulated Glass, Add	*388.43*	
		For Obscure Glass, Add	*427.27*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	14.79	0.92
		For Colored Vinyl, Add	*1.30*	
		For Tinted Glass, Add	*1.55*	
		For Low-E Insulated Glass, Add	*3.24*	
		For Obscure Glass, Add	*3.56*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,334.31	74.11
		For Colored Vinyl, Add	*118.61*	
		For Tinted Glass, Add	*142.33*	
		For Low-E Insulated Glass, Add	*296.53*	
		For Obscure Glass, Add	*326.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,467.24	81.16
		For Colored Vinyl, Add	*130.49*	
		For Tinted Glass, Add	*156.59*	
		For Low-E Insulated Glass, Add	*326.23*	
		For Obscure Glass, Add	*358.85*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,593.06	88.22
		For Colored Vinyl, Add	*141.66*	
		For Tinted Glass, Add	*169.99*	
		For Low-E Insulated Glass, Add	*354.16*	
		For Obscure Glass, Add	*389.57*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,677.76	95.28
		For Colored Vinyl, Add	*148.72*	
		For Tinted Glass, Add	*178.46*	
		For Low-E Insulated Glass, Add	*371.80*	
		For Obscure Glass, Add	*408.98*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,768.54	102.34
		For Colored Vinyl, Add	*156.39*	
		For Tinted Glass, Add	*187.66*	
		For Low-E Insulated Glass, Add	*390.97*	
		For Obscure Glass, Add	*430.06*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,863.90	109.39
		For Colored Vinyl, Add	*164.51*	
		For Tinted Glass, Add	*197.41*	
		For Low-E Insulated Glass, Add	*411.28*	
		For Obscure Glass, Add	*452.41*	
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.55	0.92
		For Colored Vinyl, Add	*1.37*	
		For Tinted Glass, Add	*1.65*	
		For Low-E Insulated Glass, Add	*3.43*	
		For Obscure Glass, Add	*3.77*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	771.61	57.87
		For Colored Vinyl, Add	*65.59*	
		For Tinted Glass, Add	*78.70*	
		For Low-E Insulated Glass, Add	*163.97*	
		For Obscure Glass, Add	*180.36*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	807.71	60.70
		For Colored Vinyl, Add	*68.63*	
		For Tinted Glass, Add	*82.36*	
		For Low-E Insulated Glass, Add	*171.58*	
		For Obscure Glass, Add	*188.74*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	863.29	65.64
		For Colored Vinyl, Add	*73.20*	
		For Tinted Glass, Add	*87.84*	
		For Low-E Insulated Glass, Add	*183.01*	
		For Obscure Glass, Add	*201.31*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	899.09	69.17
		For Colored Vinyl, Add	*76.08*	
		For Tinted Glass, Add	*91.29*	
		For Low-E Insulated Glass, Add	*190.19*	
		For Obscure Glass, Add	*209.21*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	957.80	74.81
		For Colored Vinyl, Add	*80.82*	
		For Tinted Glass, Add	*96.98*	
		For Low-E Insulated Glass, Add	*202.05*	
		For Obscure Glass, Add	*222.25*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	813.92	60.70
		For Colored Vinyl, Add	*69.39*	
		For Tinted Glass, Add	*83.27*	
		For Low-E Insulated Glass, Add	*173.49*	
		For Obscure Glass, Add	*190.83*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	850.04	63.52
		For Colored Vinyl, Add	*72.44*	
		For Tinted Glass, Add	*86.93*	
		For Low-E Insulated Glass, Add	*181.10*	
		For Obscure Glass, Add	*199.21*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	909.83	67.75
		For Colored Vinyl, Add	*77.43*	
		For Tinted Glass, Add	*92.92*	
		For Low-E Insulated Glass, Add	*193.58*	
		For Obscure Glass, Add	*212.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	945.67	71.99
		For Colored Vinyl, Add	*80.31*	
		For Tinted Glass, Add	*96.37*	
		For Low-E Insulated Glass, Add	*200.78*	
		For Obscure Glass, Add	*220.86*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,008.55	76.93
		For Colored Vinyl, Add	*85.47*	
		For Tinted Glass, Add	*102.56*	
		For Low-E Insulated Glass, Add	*213.67*	
		For Obscure Glass, Add	*235.04*	

08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	840.69	63.52
		For Colored Vinyl, Add	*71.51*	
		For Tinted Glass, Add	*85.81*	
		For Low-E Insulated Glass, Add	*178.77*	
		For Obscure Glass, Add	*196.64*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	876.80	66.34
		For Colored Vinyl, Add	*74.55*	
		For Tinted Glass, Add	*89.46*	
		For Low-E Insulated Glass, Add	*186.38*	
		For Obscure Glass, Add	*205.02*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	938.72	70.58
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.39*	
		For Obscure Glass, Add	*219.33*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	977.97	74.81
		For Colored Vinyl, Add	*82.98*	
		For Tinted Glass, Add	*99.57*	
		For Low-E Insulated Glass, Add	*207.44*	
		For Obscure Glass, Add	*228.18*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,041.71	79.75
		For Colored Vinyl, Add	*88.22*	
		For Tinted Glass, Add	*105.87*	
		For Low-E Insulated Glass, Add	*220.55*	
		For Obscure Glass, Add	*242.61*	

08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	867.51	66.34
		For Colored Vinyl, Add	*73.62*	
		For Tinted Glass, Add	*88.35*	
		For Low-E Insulated Glass, Add	*184.06*	
		For Obscure Glass, Add	*202.47*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	903.62	69.17
		For Colored Vinyl, Add	*76.67*	
		For Tinted Glass, Add	*92.00*	
		For Low-E Insulated Glass, Add	*191.68*	
		For Obscure Glass, Add	*210.84*	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	967.68	73.40
		For Colored Vinyl, Add	*82.09*	
		For Tinted Glass, Add	*98.51*	
		For Low-E Insulated Glass, Add	*205.22*	
		For Obscure Glass, Add	*225.74*	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,010.08	77.63
		For Colored Vinyl, Add	*85.62*	
		For Tinted Glass, Add	*102.75*	
		For Low-E Insulated Glass, Add	*214.06*	
		For Obscure Glass, Add	*235.46*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,074.88	82.57
		For Colored Vinyl, Add	*90.97*	
		For Tinted Glass, Add	*109.17*	
		For Low-E Insulated Glass, Add	*227.43*	
		For Obscure Glass, Add	*250.18*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,024.07	78.34
		For Colored Vinyl, Add	*86.74*	
		For Tinted Glass, Add	*104.09*	
		For Low-E Insulated Glass, Add	*216.85*	
		For Obscure Glass, Add	*238.53*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,066.52	81.87
		For Colored Vinyl, Add	*90.28*	
		For Tinted Glass, Add	*108.33*	
		For Low-E Insulated Glass, Add	*225.70*	
		For Obscure Glass, Add	*248.26*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,135.54	87.52
		For Colored Vinyl, Add	*96.05*	
		For Tinted Glass, Add	*115.26*	
		For Low-E Insulated Glass, Add	*240.13*	
		For Obscure Glass, Add	*264.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0372		Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	806.20	59.99
		For Colored Vinyl, Add	*68.62*	
		For Tinted Glass, Add	*82.35*	
		For Low-E Insulated Glass, Add	*171.56*	
		For Obscure Glass, Add	*188.71*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	933.80	67.05
		For Colored Vinyl, Add	*79.97*	
		For Tinted Glass, Add	*95.96*	
		For Low-E Insulated Glass, Add	*199.93*	
		For Obscure Glass, Add	*219.92*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,056.32	74.11
		For Colored Vinyl, Add	*90.81*	
		For Tinted Glass, Add	*108.97*	
		For Low-E Insulated Glass, Add	*227.03*	
		For Obscure Glass, Add	*249.73*	
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,173.77	81.16
		For Colored Vinyl, Add	*101.14*	
		For Tinted Glass, Add	*121.37*	
		For Low-E Insulated Glass, Add	*252.86*	
		For Obscure Glass, Add	*278.15*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,286.13	88.22
		For Colored Vinyl, Add	*110.97*	
		For Tinted Glass, Add	*133.16*	
		For Low-E Insulated Glass, Add	*277.42*	
		For Obscure Glass, Add	*305.16*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,344.42	95.28
		For Colored Vinyl, Add	*115.39*	
		For Tinted Glass, Add	*138.46*	
		For Low-E Insulated Glass, Add	*288.47*	
		For Obscure Glass, Add	*317.31*	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	13.26	0.92
		For Colored Vinyl, Add	*1.14*	
		For Tinted Glass, Add	*1.37*	
		For Low-E Insulated Glass, Add	*2.86*	
		For Obscure Glass, Add	*3.14*	
08 53 13 00-0380		Horizontal Sliding Vinyl Windows *(08 53 13)*		
08 53 13 00-0381		New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382		20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	443.45	69.17
		For Colored Vinyl, Add	*30.65*	
		For Tinted Glass, Add	*36.78*	
		For Low-E Insulated Glass, Add	*76.63*	
		For Obscure Glass, Add	*84.30*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	490.45	77.63
		For Colored Vinyl, Add	*33.66*	
		For Tinted Glass, Add	*40.39*	
		For Low-E Insulated Glass, Add	*84.15*	
		For Obscure Glass, Add	*92.56*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	513.95	81.16
		For Colored Vinyl, Add	*35.16*	
		For Tinted Glass, Add	*42.19*	
		For Low-E Insulated Glass, Add	*87.91*	
		For Obscure Glass, Add	*96.70*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	537.45	85.40
		For Colored Vinyl, Add	*36.67*	
		For Tinted Glass, Add	*44.00*	
		For Low-E Insulated Glass, Add	*91.66*	
		For Obscure Glass, Add	*100.83*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	553.09	88.93
		For Colored Vinyl, Add	*37.67*	
		For Tinted Glass, Add	*45.20*	
		For Low-E Insulated Glass, Add	*94.16*	
		For Obscure Glass, Add	*103.58*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	584.43	93.87
		For Colored Vinyl, Add	*39.67*	
		For Tinted Glass, Add	*47.60*	
		For Low-E Insulated Glass, Add	*99.18*	
		For Obscure Glass, Add	*109.09*	
08 53 13 00-0389		24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	466.00	71.99
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.86*	
		For Obscure Glass, Add	*88.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	514.37	80.46
		For Colored Vinyl, Add	*35.49*	
		For Tinted Glass, Add	*42.58*	
		For Low-E Insulated Glass, Add	*88.72*	
		For Obscure Glass, Add	*97.59*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	538.73	83.99
		For Colored Vinyl, Add	*37.08*	
		For Tinted Glass, Add	*44.49*	
		For Low-E Insulated Glass, Add	*92.69*	
		For Obscure Glass, Add	*101.96*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	562.79	88.22
		For Colored Vinyl, Add	*38.64*	
		For Tinted Glass, Add	*46.36*	
		For Low-E Insulated Glass, Add	*96.59*	
		For Obscure Glass, Add	*106.25*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	578.90	91.75
		For Colored Vinyl, Add	*39.68*	
		For Tinted Glass, Add	*47.62*	
		For Low-E Insulated Glass, Add	*99.20*	
		For Obscure Glass, Add	*109.12*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	611.16	96.69
		For Colored Vinyl, Add	*41.78*	
		For Tinted Glass, Add	*50.13*	
		For Low-E Insulated Glass, Add	*104.45*	
		For Obscure Glass, Add	*114.89*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	534.12	80.46
		For Colored Vinyl, Add	*37.46*	
		For Tinted Glass, Add	*44.95*	
		For Low-E Insulated Glass, Add	*93.66*	
		For Obscure Glass, Add	*103.02*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	586.90	88.93
		For Colored Vinyl, Add	*41.05*	
		For Tinted Glass, Add	*49.26*	
		For Low-E Insulated Glass, Add	*102.62*	
		For Obscure Glass, Add	*112.88*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	613.35	92.46
		For Colored Vinyl, Add	*42.84*	
		For Tinted Glass, Add	*51.41*	
		For Low-E Insulated Glass, Add	*107.11*	
		For Obscure Glass, Add	*117.82*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	639.74	96.69
		For Colored Vinyl, Add	*44.64*	
		For Tinted Glass, Add	*53.56*	
		For Low-E Insulated Glass, Add	*111.59*	
		For Obscure Glass, Add	*122.75*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	657.37	98.81
		For Colored Vinyl, Add	*45.83*	
		For Tinted Glass, Add	*55.00*	
		For Low-E Insulated Glass, Add	*114.59*	
		For Obscure Glass, Add	*126.04*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.58	105.16
		For Colored Vinyl, Add	*48.23*	
		For Tinted Glass, Add	*57.87*	
		For Low-E Insulated Glass, Add	*120.57*	
		For Obscure Glass, Add	*132.62*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	568.18	84.69
		For Colored Vinyl, Add	*40.02*	
		For Tinted Glass, Add	*48.03*	
		For Low-E Insulated Glass, Add	*100.05*	
		For Obscure Glass, Add	*110.06*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	623.20	93.16
		For Colored Vinyl, Add	*43.83*	
		For Tinted Glass, Add	*52.59*	
		For Low-E Insulated Glass, Add	*109.57*	
		For Obscure Glass, Add	*120.53*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	650.76	96.69
		For Colored Vinyl, Add	*45.74*	
		For Tinted Glass, Add	*54.89*	
		For Low-E Insulated Glass, Add	*114.35*	
		For Obscure Glass, Add	*125.78*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	678.27	100.92
		For Colored Vinyl, Add	*47.64*	
		For Tinted Glass, Add	*57.17*	
		For Low-E Insulated Glass, Add	*119.11*	
		For Obscure Glass, Add	*131.02*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	696.56	104.45
		For Colored Vinyl, Add	*48.91*	
		For Tinted Glass, Add	*58.69*	
		For Low-E Insulated Glass, Add	*122.27*	
		For Obscure Glass, Add	*134.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	733.29	109.39
		For Colored Vinyl, Add	*51.45*	
		For Tinted Glass, Add	*61.74*	
		For Low-E Insulated Glass, Add	*128.63*	
		For Obscure Glass, Add	*141.49*	
08 53 13 00-0410		44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	579.54	86.10
		For Colored Vinyl, Add	*40.87*	
		For Tinted Glass, Add	*49.05*	
		For Low-E Insulated Glass, Add	*102.19*	
		For Obscure Glass, Add	*112.40*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	635.31	94.57
		For Colored Vinyl, Add	*44.76*	
		For Tinted Glass, Add	*53.71*	
		For Low-E Insulated Glass, Add	*111.90*	
		For Obscure Glass, Add	*123.08*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	663.18	98.10
		For Colored Vinyl, Add	*46.70*	
		For Tinted Glass, Add	*56.04*	
		For Low-E Insulated Glass, Add	*116.75*	
		For Obscure Glass, Add	*128.42*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	691.09	102.34
		For Colored Vinyl, Add	*48.64*	
		For Tinted Glass, Add	*58.37*	
		For Low-E Insulated Glass, Add	*121.61*	
		For Obscure Glass, Add	*133.77*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	709.69	105.86
		For Colored Vinyl, Add	*49.94*	
		For Tinted Glass, Add	*59.92*	
		For Low-E Insulated Glass, Add	*124.84*	
		For Obscure Glass, Add	*137.33*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	746.83	110.81
		For Colored Vinyl, Add	*52.52*	
		For Tinted Glass, Add	*63.03*	
		For Low-E Insulated Glass, Add	*131.31*	
		For Obscure Glass, Add	*144.44*	
08 53 13 00-0417		46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	590.89	87.52
		For Colored Vinyl, Add	*41.73*	
		For Tinted Glass, Add	*50.07*	
		For Low-E Insulated Glass, Add	*104.32*	
		For Obscure Glass, Add	*114.75*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	647.38	95.98
		For Colored Vinyl, Add	*45.68*	
		For Tinted Glass, Add	*54.82*	
		For Low-E Insulated Glass, Add	*114.21*	
		For Obscure Glass, Add	*125.63*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	675.65	99.51
		For Colored Vinyl, Add	*47.66*	
		For Tinted Glass, Add	*57.19*	
		For Low-E Insulated Glass, Add	*119.16*	
		For Obscure Glass, Add	*131.07*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	703.88	103.75
		For Colored Vinyl, Add	*49.64*	
		For Tinted Glass, Add	*59.57*	
		For Low-E Insulated Glass, Add	*124.10*	
		For Obscure Glass, Add	*136.50*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	722.72	107.28
		For Colored Vinyl, Add	*50.96*	
		For Tinted Glass, Add	*61.15*	
		For Low-E Insulated Glass, Add	*127.40*	
		For Obscure Glass, Add	*140.13*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	760.41	112.22
		For Colored Vinyl, Add	*53.60*	
		For Tinted Glass, Add	*64.32*	
		For Low-E Insulated Glass, Add	*134.00*	
		For Obscure Glass, Add	*147.39*	
08 53 13 00-0424		48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	602.24	88.93
		For Colored Vinyl, Add	*42.58*	
		For Tinted Glass, Add	*51.10*	
		For Low-E Insulated Glass, Add	*106.45*	
		For Obscure Glass, Add	*117.10*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	659.49	97.40
		For Colored Vinyl, Add	*46.61*	
		For Tinted Glass, Add	*55.93*	
		For Low-E Insulated Glass, Add	*116.53*	
		For Obscure Glass, Add	*128.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	688.12	100.92
		For Colored Vinyl, Add	*48.63*	
		For Tinted Glass, Add	*58.35*	
		For Low-E Insulated Glass, Add	*121.57*	
		For Obscure Glass, Add	*133.72*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	716.70	105.16
		For Colored Vinyl, Add	*50.64*	
		For Tinted Glass, Add	*60.77*	
		For Low-E Insulated Glass, Add	*126.60*	
		For Obscure Glass, Add	*139.25*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	735.79	108.69
		For Colored Vinyl, Add	*51.98*	
		For Tinted Glass, Add	*62.38*	
		For Low-E Insulated Glass, Add	*129.96*	
		For Obscure Glass, Add	*142.95*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	774.00	113.63
		For Colored Vinyl, Add	*54.67*	
		For Tinted Glass, Add	*65.61*	
		For Low-E Insulated Glass, Add	*136.69*	
		For Obscure Glass, Add	*150.35*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	613.59	90.34
		For Colored Vinyl, Add	*43.43*	
		For Tinted Glass, Add	*52.12*	
		For Low-E Insulated Glass, Add	*108.58*	
		For Obscure Glass, Add	*119.44*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	671.55	98.81
		For Colored Vinyl, Add	*47.54*	
		For Tinted Glass, Add	*57.04*	
		For Low-E Insulated Glass, Add	*118.84*	
		For Obscure Glass, Add	*130.72*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	700.54	102.34
		For Colored Vinyl, Add	*49.59*	
		For Tinted Glass, Add	*59.50*	
		For Low-E Insulated Glass, Add	*123.97*	
		For Obscure Glass, Add	*136.36*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	729.52	106.57
		For Colored Vinyl, Add	*51.64*	
		For Tinted Glass, Add	*61.97*	
		For Low-E Insulated Glass, Add	*129.10*	
		For Obscure Glass, Add	*142.00*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	748.88	110.10
		For Colored Vinyl, Add	*53.01*	
		For Tinted Glass, Add	*63.61*	
		For Low-E Insulated Glass, Add	*132.52*	
		For Obscure Glass, Add	*145.77*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	787.54	115.04
		For Colored Vinyl, Add	*55.75*	
		For Tinted Glass, Add	*66.90*	
		For Low-E Insulated Glass, Add	*139.37*	
		For Obscure Glass, Add	*153.30*	

08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	624.95	91.75
		For Colored Vinyl, Add	*44.29*	
		For Tinted Glass, Add	*53.14*	
		For Low-E Insulated Glass, Add	*110.72*	
		For Obscure Glass, Add	*121.79*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	683.68	100.22
		For Colored Vinyl, Add	*48.47*	
		For Tinted Glass, Add	*58.16*	
		For Low-E Insulated Glass, Add	*121.16*	
		For Obscure Glass, Add	*133.28*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	713.01	103.75
		For Colored Vinyl, Add	*50.55*	
		For Tinted Glass, Add	*60.66*	
		For Low-E Insulated Glass, Add	*126.38*	
		For Obscure Glass, Add	*139.02*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	742.39	107.98
		For Colored Vinyl, Add	*52.64*	
		For Tinted Glass, Add	*63.17*	
		For Low-E Insulated Glass, Add	*131.61*	
		For Obscure Glass, Add	*144.77*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	761.96	111.51
		For Colored Vinyl, Add	*54.04*	
		For Tinted Glass, Add	*64.84*	
		For Low-E Insulated Glass, Add	*135.09*	
		For Obscure Glass, Add	*148.60*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	801.12	116.45
		For Colored Vinyl, Add	*56.82*	
		For Tinted Glass, Add	*68.19*	
		For Low-E Insulated Glass, Add	*142.06*	
		For Obscure Glass, Add	*156.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	636.30	93.16
		For Colored Vinyl, Add	*45.14*	
		For Tinted Glass, Add	*54.17*	
		For Low-E Insulated Glass, Add	*112.85*	
		For Obscure Glass, Add	*124.13*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.74	101.63
		For Colored Vinyl, Add	*49.39*	
		For Tinted Glass, Add	*59.27*	
		For Low-E Insulated Glass, Add	*123.47*	
		For Obscure Glass, Add	*135.82*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	725.48	105.16
		For Colored Vinyl, Add	*51.52*	
		For Tinted Glass, Add	*61.82*	
		For Low-E Insulated Glass, Add	*128.79*	
		For Obscure Glass, Add	*141.67*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	755.23	109.39
		For Colored Vinyl, Add	*53.64*	
		For Tinted Glass, Add	*64.37*	
		For Low-E Insulated Glass, Add	*134.11*	
		For Obscure Glass, Add	*147.52*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	775.03	112.92
		For Colored Vinyl, Add	*55.06*	
		For Tinted Glass, Add	*66.07*	
		For Low-E Insulated Glass, Add	*137.65*	
		For Obscure Glass, Add	*151.42*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	814.67	117.86
		For Colored Vinyl, Add	*57.89*	
		For Tinted Glass, Add	*69.47*	
		For Low-E Insulated Glass, Add	*144.74*	
		For Obscure Glass, Add	*159.21*	
08 53 13 00-0452		60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.85	97.40
		For Colored Vinyl, Add	*49.95*	
		For Tinted Glass, Add	*59.94*	
		For Low-E Insulated Glass, Add	*124.87*	
		For Obscure Glass, Add	*137.35*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	732.03	105.86
		For Colored Vinyl, Add	*52.17*	
		For Tinted Glass, Add	*62.61*	
		For Low-E Insulated Glass, Add	*130.43*	
		For Obscure Glass, Add	*143.47*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	762.89	109.39
		For Colored Vinyl, Add	*54.41*	
		For Tinted Glass, Add	*65.29*	
		For Low-E Insulated Glass, Add	*136.03*	
		For Obscure Glass, Add	*149.63*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	793.70	113.63
		For Colored Vinyl, Add	*56.64*	
		For Tinted Glass, Add	*67.97*	
		For Low-E Insulated Glass, Add	*141.61*	
		For Obscure Glass, Add	*155.77*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	814.27	117.16
		For Colored Vinyl, Add	*58.14*	
		For Tinted Glass, Add	*69.76*	
		For Low-E Insulated Glass, Add	*145.34*	
		For Obscure Glass, Add	*159.88*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	855.38	122.10
		For Colored Vinyl, Add	*61.12*	
		For Tinted Glass, Add	*73.34*	
		For Low-E Insulated Glass, Add	*152.80*	
		For Obscure Glass, Add	*168.07*	
08 53 13 00-0459		Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	722.73	74.11
		For Colored Vinyl, Add	*57.45*	
		For Tinted Glass, Add	*68.94*	
		For Low-E Insulated Glass, Add	*143.63*	
		For Obscure Glass, Add	*157.99*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	794.48	81.16
		For Colored Vinyl, Add	*63.22*	
		For Tinted Glass, Add	*75.86*	
		For Low-E Insulated Glass, Add	*158.04*	
		For Obscure Glass, Add	*173.84*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	861.14	88.22
		For Colored Vinyl, Add	*68.47*	
		For Tinted Glass, Add	*82.16*	
		For Low-E Insulated Glass, Add	*171.18*	
		For Obscure Glass, Add	*188.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	908.52	95.28
		For Colored Vinyl, Add	*71.80*	
		For Tinted Glass, Add	*86.16*	
		For Low-E Insulated Glass, Add	*179.49*	
		For Obscure Glass, Add	*197.44*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	958.68	102.34
		For Colored Vinyl, Add	*75.40*	
		For Tinted Glass, Add	*90.48*	
		For Low-E Insulated Glass, Add	*188.50*	
		For Obscure Glass, Add	*207.35*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,041.34	109.39
		For Colored Vinyl, Add	*82.26*	
		For Tinted Glass, Add	*98.71*	
		For Low-E Insulated Glass, Add	*205.64*	
		For Obscure Glass, Add	*226.20*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	8.69	0.92
		For Colored Vinyl, Add	*0.69*	
		For Tinted Glass, Add	*0.82*	
		For Low-E Insulated Glass, Add	*1.71*	
		For Obscure Glass, Add	*1.88*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	417.57	56.46
		For Colored Vinyl, Add	*30.47*	
		For Tinted Glass, Add	*36.56*	
		For Low-E Insulated Glass, Add	*76.16*	
		For Obscure Glass, Add	*83.78*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	453.11	56.46
		For Colored Vinyl, Add	*34.02*	
		For Tinted Glass, Add	*40.82*	
		For Low-E Insulated Glass, Add	*85.05*	
		For Obscure Glass, Add	*93.55*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	473.42	56.46
		For Colored Vinyl, Add	*36.05*	
		For Tinted Glass, Add	*43.26*	
		For Low-E Insulated Glass, Add	*90.13*	
		For Obscure Glass, Add	*99.14*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	541.69	55.05
		For Colored Vinyl, Add	*43.16*	
		For Tinted Glass, Add	*51.79*	
		For Low-E Insulated Glass, Add	*107.90*	
		For Obscure Glass, Add	*118.69*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	601.79	63.52
		For Colored Vinyl, Add	*47.48*	
		For Tinted Glass, Add	*56.97*	
		For Low-E Insulated Glass, Add	*118.69*	
		For Obscure Glass, Add	*130.56*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	10.47	0.92
		For Colored Vinyl, Add	*0.86*	
		For Tinted Glass, Add	*1.04*	
		For Low-E Insulated Glass, Add	*2.16*	
		For Obscure Glass, Add	*2.37*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	71.08
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	91.39
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.71
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	138.94
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	170.79

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	161.56
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	193.87
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	244.64
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	304.65
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	364.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66		**Vinyl Window Screens** *(08 53)*		
08 53 66 00-0001		Insect Screens For Vinyl Windows *(08 53 66)*		
08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	71.43	12.64
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	99.12	12.64
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	108.36	12.64
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	126.82	12.64
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	168.36	12.64
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	186.83	12.64
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	214.52	12.64
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	232.99	12.64
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	7.09	0.25
08 56		**Special Function Windows** *(08 50)*		
08 56 19		**Pass Windows** *(08 56)*		
08 56 19 00-0001		Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*		
		Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,676.32	1,089.54
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	6,203.14	1,180.34
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	6,544.84	1,271.13
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	8,136.17	1,452.73
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	11,139.75	2,179.09
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	
08 56 49		**Radiation Shielding Windows** *(08 56)*		
08 56 49 00-0001		Lead Lined Window Frames *(08 56 49)*		
08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	55.80	10.59
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	62.73	10.59
08 56 56		**Security Window Screens** *(08 56)*		
		Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.		
08 56 56 00-0001		Wire Mesh Security Screen *(08 56 56)*		
08 56 56 00-0002		Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*		
08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	43.03	8.17
		For Painted Steel, Add	*3.21*	
		For Galvanized Steel, Add	*6.43*	
		For Aluminum, Add	*12.86*	
		For Stainless Steel, Add	*56.25*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	43.95	8.17
		For Painted Steel, Add	*3.31*	
		For Galvanized Steel, Add	*6.61*	
		For Aluminum, Add	*13.22*	
		For Stainless Steel, Add	*57.86*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	48.19	8.17
		For Painted Steel, Add	*3.73*	
		For Galvanized Steel, Add	*7.46*	
		For Aluminum, Add	*14.92*	
		For Stainless Steel, Add	*65.28*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	57.25	8.17
		For Painted Steel, Add	*4.64*	
		For Galvanized Steel, Add	*9.27*	
		For Aluminum, Add	*18.54*	
		For Stainless Steel, Add	*81.13*	
08 56 56 00-0007		Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*		
08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	60.31	9.99
		For Painted Steel, Add	*4.58*	
		For Galvanized Steel, Add	*9.16*	
		For Aluminum, Add	*18.31*	
		For Stainless Steel, Add	*80.12*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	61.71	9.99
		For Painted Steel, Add	*4.72*	
		For Galvanized Steel, Add	*9.44*	
		For Aluminum, Add	*18.87*	
		For Stainless Steel, Add	*82.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	67.79	9.99
		For Painted Steel, Add	*5.33*	
		For Galvanized Steel, Add	*10.65*	
		For Aluminum, Add	*21.30*	
		For Stainless Steel, Add	*93.21*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	80.50	9.99
		For Painted Steel, Add	*6.60*	
		For Galvanized Steel, Add	*13.19*	
		For Aluminum, Add	*26.39*	
		For Stainless Steel, Add	*115.45*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	28.25	5.45
		For Painted Steel, Add	*0.96*	
		For Galvanized Steel, Add	*2.88*	
		For Aluminum, Add	*5.75*	
		For Stainless Steel, Add	*23.96*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	29.54	5.45
		For Painted Steel, Add	*1.02*	
		For Galvanized Steel, Add	*3.07*	
		For Aluminum, Add	*6.14*	
		For Stainless Steel, Add	*25.58*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	31.56	5.45
		For Painted Steel, Add	*1.12*	
		For Galvanized Steel, Add	*3.37*	
		For Aluminum, Add	*6.74*	
		For Stainless Steel, Add	*28.10*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	35.43	5.45
		For Painted Steel, Add	*1.32*	
		For Galvanized Steel, Add	*3.95*	
		For Aluminum, Add	*7.91*	
		For Stainless Steel, Add	*32.94*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	38.20	7.27
		For Painted Steel, Add	*1.37*	
		For Galvanized Steel, Add	*4.10*	
		For Aluminum, Add	*8.19*	
		For Stainless Steel, Add	*34.14*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	40.19	7.27
		For Painted Steel, Add	*1.47*	
		For Galvanized Steel, Add	*4.40*	
		For Aluminum, Add	*8.79*	
		For Stainless Steel, Add	*36.63*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	42.95	7.27
		For Painted Steel, Add	*1.60*	
		For Galvanized Steel, Add	*4.81*	
		For Aluminum, Add	*9.62*	
		For Stainless Steel, Add	*40.08*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	48.48	7.27
		For Painted Steel, Add	*1.88*	
		For Galvanized Steel, Add	*5.64*	
		For Aluminum, Add	*11.28*	
		For Stainless Steel, Add	*46.99*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	53.75	13.62
		For Painted Steel, Add	*1.87*	
		For Galvanized Steel, Add	*5.61*	
		For Aluminum, Add	*11.22*	
		For Stainless Steel, Add	*46.76*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	62.72	16.34
		For Painted Steel, Add	*2.14*	
		For Galvanized Steel, Add	*6.41*	
		For Aluminum, Add	*12.83*	
		For Stainless Steel, Add	*53.44*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	70.23	19.97
		For Painted Steel, Add	*2.33*	
		For Galvanized Steel, Add	*6.99*	
		For Aluminum, Add	*13.99*	
		For Stainless Steel, Add	*58.28*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	82.31	23.61
		For Painted Steel, Add	*2.66*	
		For Galvanized Steel, Add	*7.99*	
		For Aluminum, Add	*15.98*	
		For Stainless Steel, Add	*66.58*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	76.63	22.70
		For Painted Steel, Add	*2.47*	
		For Galvanized Steel, Add	*7.41*	
		For Aluminum, Add	*14.82*	
		For Stainless Steel, Add	*61.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	96.60	29.05
		For Painted Steel, Add	*3.11*	
		For Galvanized Steel, Add	*9.32*	
		For Aluminum, Add	*18.63*	
		For Stainless Steel, Add	*77.63*	
08 56 56 00-0031		Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*		
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	47.92	16.34
		For Painted Steel, Add	*1.40*	
		For Galvanized Steel, Add	*4.19*	
		For Aluminum, Add	*8.39*	
		For Stainless Steel, Add	*34.94*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	84.61	19.97
		For Painted Steel, Add	*3.05*	
		For Galvanized Steel, Add	*9.15*	
		For Aluminum, Add	*18.30*	
		For Stainless Steel, Add	*76.25*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	93.77	22.70
		For Painted Steel, Add	*3.33*	
		For Galvanized Steel, Add	*9.98*	
		For Aluminum, Add	*19.96*	
		For Stainless Steel, Add	*83.16*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	101.27	25.42
		For Painted Steel, Add	*3.52*	
		For Galvanized Steel, Add	*10.56*	
		For Aluminum, Add	*21.12*	
		For Stainless Steel, Add	*88.00*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	110.39	29.05
		For Painted Steel, Add	*3.79*	
		For Galvanized Steel, Add	*11.38*	
		For Aluminum, Add	*22.77*	
		For Stainless Steel, Add	*94.86*	
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen	126.58	31.78
		For Painted Steel, Add	*4.42*	
		For Galvanized Steel, Add	*13.27*	
		For Aluminum, Add	*26.54*	
		For Stainless Steel, Add	*110.56*	
08 56 56 00-0038		Perforated Metal Security Screen *(08 56 56)*		
08 56 56 00-0039		Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*		
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	48.11	8.17
		For Painted Steel, Add	*1.86*	
		For Galvanized Steel, Add	*5.58*	
		For Aluminum, Add	*11.17*	
		For Stainless Steel, Add	*37.22*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	49.59	8.17
		For Painted Steel, Add	*1.94*	
		For Galvanized Steel, Add	*5.81*	
		For Aluminum, Add	*11.61*	
		For Stainless Steel, Add	*38.70*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	54.56	8.17
		For Painted Steel, Add	*2.18*	
		For Galvanized Steel, Add	*6.55*	
		For Aluminum, Add	*13.10*	
		For Stainless Steel, Add	*43.67*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	63.96	8.17
		For Painted Steel, Add	*2.65*	
		For Galvanized Steel, Add	*7.96*	
		For Aluminum, Add	*15.92*	
		For Stainless Steel, Add	*53.07*	
08 56 56 00-0044		Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*		
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	67.42	9.99
		For Painted Steel, Add	*2.64*	
		For Galvanized Steel, Add	*7.93*	
		For Aluminum, Add	*15.87*	
		For Stainless Steel, Add	*52.89*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	70.00	9.99
		For Painted Steel, Add	*2.77*	
		For Galvanized Steel, Add	*8.32*	
		For Aluminum, Add	*16.64*	
		For Stainless Steel, Add	*55.47*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	76.45	9.99
		For Painted Steel, Add	*3.10*	
		For Galvanized Steel, Add	*9.29*	
		For Aluminum, Add	*18.58*	
		For Stainless Steel, Add	*61.92*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	89.90	9.99
		For Painted Steel, Add	*3.77*	
		For Galvanized Steel, Add	*11.31*	
		For Aluminum, Add	*22.61*	
		For Stainless Steel, Add	*75.37*	
08 56 56 00-0049		Removal And Reinstallation Of Security Screens And Guards *(08 56 56)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	22.81	
08 56 56 00-0051	SF	Remove And Reinstall Exterior Security Window Guards	13.97	
		See CSI section 01 22 23 00-0001 for lifting equipment, 05 05 19 00-0001 for anchors.		

08 60 Roof Windows and Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights *(08 62 23)*

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,380.60	213.40
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,060.66*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,457.66	218.73
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,061.73*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,532.51	224.07
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,062.79*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,638.33	229.40
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,063.86*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,730.88	234.74
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,064.93*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,805.73	240.07
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,065.99*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,880.57	245.41
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,067.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,004.11	250.74
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,068.13*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,078.95	256.07
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,069.20*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,156.01	261.41
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,070.26*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,230.86	266.74
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,071.33*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,354.39	272.08
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,072.40*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,429.24	277.41
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,073.46*	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,504.09	282.75
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,074.53*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,578.93	288.08
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,075.60*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,679.36	213.40
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,060.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,785.19	218.73
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,061.73*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,891.02	224.07
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,062.79*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,996.84	229.40
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,063.86*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,169.05	234.74
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,064.93*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,274.88	240.07
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,065.99*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,380.71	245.41
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,067.06*	
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,552.93	250.74
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,068.13*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,658.76	256.07
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,069.20*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,764.59	261.41
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,070.26*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,870.42	266.74
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,071.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,042.64	272.08
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,072.40*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,148.47	277.41
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,073.46*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,254.30	282.75
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,074.53*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,360.12	288.08
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,075.60*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,248.33	240.07
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,065.99*	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,396.20	245.41
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,067.06*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,546.29	250.74
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,068.13*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,694.17	256.07
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,069.20*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,930.56	261.41
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,070.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,078.44	266.74
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,071.33*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,226.32	272.08
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,072.40*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,464.93	277.41
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,073.46*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,612.80	282.75
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,074.53*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,760.68	288.08
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,075.60*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,908.55	293.42
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,076.66*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,144.95	298.75
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,077.73*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,292.82	304.09
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,078.80*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,442.91	309.43
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,079.87*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,590.79	314.76
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,080.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	906.78	144.04
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,086.03	154.71
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,452.60	170.71
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,627.96	181.39
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,145.60	154.71
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,412.54	170.71
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,530.41	181.39
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,730.21	192.06
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,999.23	208.06
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,438.82	181.39
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,553.82	186.73
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,739.06	192.06
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,877.46	197.40
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,068.43	213.40
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,307.26	224.07
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,692.23	192.06
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,837.40	202.73
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,061.66	208.06
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,184.45	218.73
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,501.34	229.40

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,101.90	144.04
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,277.25	154.71
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,604.79	170.71
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,784.05	181.39
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,286.09	154.71
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,521.81	170.71
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,647.47	181.39
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,862.89	192.06
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,077.27	208.06
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,548.09	181.39
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,678.69	186.73
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,805.39	192.06
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,951.61	197.40
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,107.45	213.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,350.19	224.07
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,821.00	192.06
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,977.89	202.73
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,143.61	208.06
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,274.21	218.73
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,559.88	229.40

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,117.51	144.04
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,308.46	154.71
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,647.72	170.71
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,325.11	154.71
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,576.44	170.71
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,690.40	181.39
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,909.72	192.06
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,583.21	181.39
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,709.91	186.73
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,856.12	192.06
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,002.34	197.40
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,169.89	213.40
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,867.83	192.06
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,040.32	202.73
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,206.05	208.06
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,336.64	218.73

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,144.82	144.04
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,351.39	154.71
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,686.74	170.71
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,924.54	181.39
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,364.13	154.71
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,611.56	170.71
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,729.42	181.39
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,968.25	192.06
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,626.13	181.39
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,752.84	186.73
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,910.76	192.06
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,060.87	197.40
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,232.33	213.40
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,926.37	192.06
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,098.86	202.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,268.49	208.06
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,406.89	218.73
08 63 13 00-0081		Curb Top Inserts *(08 63 13 00-0003)*		
		Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	293.07	69.36
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	383.91	80.03
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	612.22	106.70
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	565.62	96.03
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	674.18	106.70
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	383.80	69.36
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	558.74	80.03
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	928.68	106.70
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	902.00	96.03
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,112.35	106.70
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	472.32	69.36
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	724.72	80.03
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,318.16	106.70
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,216.24	96.03
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,519.55	106.70
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	836.54	144.04
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,036.34	154.71
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,329.56	181.39
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,649.30	192.06
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,140.92	144.04
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,348.52	154.71
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,614.43	181.39
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,910.76	192.06
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	980.93	144.04
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,335.54	170.71
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,565.53	181.39
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,264.26	170.71
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,378.22	181.39
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,644.36	192.06
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,917.28	208.06
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,448.46	186.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,586.87	192.06
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,736.98	197.40
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,896.73	213.40
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,221.41	224.07
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,794.48	202.73
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,003.13	208.06
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,145.43	218.73
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,458.42	229.40

08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,113.60	144.04
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,296.76	154.71
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,624.31	170.71
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,313.40	154.71
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,446.87	165.38
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,553.03	170.71
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,666.99	181.39
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,890.21	192.06
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,567.60	186.73
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,694.30	186.73
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,832.71	192.06
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,975.02	197.40
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,138.67	213.40
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,840.52	192.06
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,013.01	202.73
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,174.83	208.06
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,301.52	218.73

08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,285.05	154.71
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,675.04	170.71
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,595.95	170.71
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,717.72	181.39
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,952.64	192.06
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,741.13	186.73
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,891.25	192.06
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,045.26	197.40
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,201.11	213.40
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,083.25	202.73
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,252.88	208.06
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,387.37	218.73

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0160			Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161			Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)* Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162			Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163			10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164		EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,198.08	213.40
08 63 13 00-0165		EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,821.63	202.73
08 63 13 00-0166		EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,459.53	213.40
08 63 13 00-0167			25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168		EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,755.09	213.40
08 63 13 00-0169		EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,394.25	202.73
08 63 13 00-0170		EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,110.20	213.40
08 63 13 00-0171			30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172		EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,203.86	213.40
08 63 13 00-0173		EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,835.21	202.73
08 63 13 00-0174		EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,551.16	213.40
08 63 13 00-0175			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176			10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177		EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,221.49	213.40
08 63 13 00-0178		EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,845.04	202.73
08 63 13 00-0179		EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,494.65	213.40
08 63 13 00-0180			25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181		EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,786.31	213.40
08 63 13 00-0182		EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,417.67	202.73
08 63 13 00-0183		EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,149.23	213.40
08 63 13 00-0184			30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185		EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,227.27	213.40
08 63 13 00-0186		EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,858.63	202.73
08 63 13 00-0187		EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,590.19	213.40

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001			Wood-Framed Skylights (Andersen 400 Series) *(08 66)*		
08 66 00 00-0002		EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	814.89	176.44
			For Tempered Laminated Low-E Insulated Glass, Add	*115.50*	
			For Aluminum Shingle Flashing, Add	*92.40*	
08 66 00 00-0003		EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	833.75	176.44
			For Tempered Laminated Low-E Insulated Glass, Add	*120.22*	
			For Aluminum Shingle Flashing, Add	*96.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	788.97	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*109.02*	
		For Aluminum Shingle Flashing, Add	*87.22*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	847.89	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*123.75*	
		For Aluminum Shingle Flashing, Add	*99.00*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	897.39	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*136.13*	
		For Aluminum Shingle Flashing, Add	*108.90*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	977.54	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,078.90	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*181.50*	
		For Aluminum Shingle Flashing, Add	*145.20*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	788.97	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*109.02*	
		For Aluminum Shingle Flashing, Add	*87.22*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	909.18	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*139.07*	
		For Aluminum Shingle Flashing, Add	*111.26*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	977.54	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,055.32	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*175.61*	
		For Aluminum Shingle Flashing, Add	*140.49*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,159.04	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*201.54*	
		For Aluminum Shingle Flashing, Add	*161.23*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	814.89	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*115.50*	
		For Aluminum Shingle Flashing, Add	*92.40*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	847.89	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*123.75*	
		For Aluminum Shingle Flashing, Add	*99.00*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	909.18	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*139.07*	
		For Aluminum Shingle Flashing, Add	*111.26*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,126.04	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*193.29*	
		For Aluminum Shingle Flashing, Add	*154.63*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	833.75	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*120.22*	
		For Aluminum Shingle Flashing, Add	*96.17*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	897.39	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*136.13*	
		For Aluminum Shingle Flashing, Add	*108.90*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	977.54	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,126.04	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*193.29*	
		For Aluminum Shingle Flashing, Add	*154.63*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	977.54	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,055.32	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*175.61*	
		For Aluminum Shingle Flashing, Add	*140.49*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,078.90	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*181.50*	
		For Aluminum Shingle Flashing, Add	*145.20*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,159.04	176.44
		For Tempered Laminated Low-E Insulated Glass, Add	*201.54*	
		For Aluminum Shingle Flashing, Add	*161.23*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of exisiting door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	99.04	9.88
		For Clear Coated Bright Brass, Add	*6.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	108.54	14.12
		For Clear Coated Bright Brass, Add	*7.29*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	124.22	15.53
		For Clear Coated Bright Brass, Add	*6.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	113.31	9.88
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	130.62	14.12
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	133.72	15.53
		For Clear Coated Bright Brass, Add	*7.43*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	156.19	18.35
		For Clear Coated Bright Brass, Add	*8.69*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	157.13	18.35
		For Clear Coated Bright Brass, Add	*8.82*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	167.94	23.57
		For Clear Coated Bright Brass, Add	*10.34*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	127.78	9.88
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	145.08	14.12
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	149.45	15.53
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	173.54	18.35

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	165.28	15.53
		For Clear Coated Bright Brass, Add	*11.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	188.02	18.35
		For Clear Coated Bright Brass, Add	*13.15*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	207.90	18.35
		For Clear Coated Bright Brass, Add	*15.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into mortised edge of the door and surface applied to the face of the frame.

08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	169.21	15.53
		For Clear Coated Bright Brass, Add	*12.40*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	199.21	18.35
		For Clear Coated Bright Brass, Add	*14.71*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0026 Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	164.45	15.53
		For Clear Coated Bright Brass, Add	*11.73*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	190.19	23.57
		For Clear Coated Bright Brass, Add	*13.45*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	224.34	23.57
		For Clear Coated Bright Brass, Add	*18.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
		For Owner Furnished Material, Deduct	*-130.23*	

08 71 11 00-0030 Mortised, Wrought Steel Hinges *(08 71 11 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 11 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	70.15	9.88
		For Primed For Paint Finish, Deduct	*-3.38*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.11*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.03*	
		For Stainless Steel, Add	*9.28*	
		For Heavy-Duty, Add	*2.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	89.21	14.12
		For Primed For Paint Finish, Deduct	*-3.73*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.33*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.24*	
		For Stainless Steel, Add	*10.25*	
		For Heavy-Duty, Add	*2.79*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	103.37	15.53
		For Primed For Paint Finish, Deduct	*-4.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.84*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.73*	
		For Stainless Steel, Add	*12.49*	
		For Heavy-Duty, Add	*3.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0035 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	114.81	9.88
		For Primed For Paint Finish, Deduct	*-12.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.69*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.38*	
		For Stainless Steel, Add	*33.85*	
		For Heavy-Duty, Add	*9.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	140.27	14.12
		For Primed For Paint Finish, Deduct	*-13.94*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.71*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.36*	
		For Stainless Steel, Add	*38.33*	
		For Heavy-Duty, Add	*10.45*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	117.23	15.53
		For Primed For Paint Finish, Deduct	*-7.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.57*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.39*	
		For Stainless Steel, Add	*20.11*	
		For Heavy-Duty, Add	*5.49*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0039	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	196.00	18.35
		For Primed For Paint Finish, Deduct	*-20.38*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.74*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.23*	
		For Stainless Steel, Add	*56.04*	
		For Heavy-Duty, Add	*15.28*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0040	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	210.38	18.35
		For Primed For Paint Finish, Deduct	*-23.25*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.53*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-13.95*	
		For Stainless Steel, Add	*63.95*	
		For Heavy-Duty, Add	*17.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	254.22	18.35
		For Primed For Paint Finish, Deduct	*-32.02*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.01*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.21*	
		For Stainless Steel, Add	*88.06*	
		For Heavy-Duty, Add	*24.02*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0043	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	140.60	9.88
		For Primed For Paint Finish, Deduct	*-17.47*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.92*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.48*	
		For Stainless Steel, Add	*48.03*	
		For Heavy-Duty, Add	*13.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	169.56	14.12
		For Primed For Paint Finish, Deduct	*-19.80*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.37*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-11.88*	
		For Stainless Steel, Add	*54.44*	
		For Heavy-Duty, Add	*14.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0045	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	191.28	15.53
		For Primed For Paint Finish, Deduct	*-22.12*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-13.27*	
		For Stainless Steel, Add	*60.84*	
		For Heavy-Duty, Add	*16.59*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0046	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	216.38	18.35
		For Primed For Paint Finish, Deduct	*-24.45*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.28*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-14.67*	
		For Stainless Steel, Add	*67.25*	
		For Heavy-Duty, Add	*18.34*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0048	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	195.76	15.53
		For Primed For Paint Finish, Deduct	*-25.04*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.65*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.02*	
		For Stainless Steel, Add	*68.85*	
		For Heavy-Duty, Add	*18.78*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	219.17	15.53
		For Primed For Paint Finish, Deduct	*-27.70*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.31*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-16.62*	
		For Stainless Steel, Add	*76.18*	
		For Heavy-Duty, Add	*20.78*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	254.22	18.35
		For Primed For Paint Finish, Deduct	*-32.02*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.01*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.21*	
		For Stainless Steel, Add	*88.06*	
		For Heavy-Duty, Add	*24.02*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Both leaves slide into a cavity prepared in the door and door frame.

08 71 11 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	156.19	15.53
		For Primed For Paint Finish, Deduct	*-15.11*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.44*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-9.06*	
		For Stainless Steel, Add	*41.54*	
		For Heavy-Duty, Add	*11.33*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0053 Blank Butt Hinges *(08 71 11 00-0030)*

08 71 11 00-0054	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	34.86	6.35
		For Primed For Paint Finish, Deduct	*-1.92*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.20*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.15*	
		For Stainless Steel, Add	*5.29*	
		For Heavy-Duty, Add	*1.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	125.41	9.88
		For Primed For Paint Finish, Deduct	*-14.43*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.02*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.66*	
		For Stainless Steel, Add	*39.68*	
08 71 11 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	164.94	14.12
		For Primed For Paint Finish, Deduct	*-18.87*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*11.80*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-11.32*	
		For Stainless Steel, Add	*51.90*	
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	219.46	15.53
		For Primed For Paint Finish, Deduct	*-27.76*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.35*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-16.66*	
		For Stainless Steel, Add	*76.34*	

08 71 11 00-0059 Offset And Pivot Hinges *(08 71 11 00-0001)*

Note: Satin chrome plated, US26D.

08 71 11 00-0060 Offset Swing Clear Hinges *(08 71 11 00-0059)*

Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.

08 71 11 00-0061	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	173.45	4.40
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*29.61*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*47.69*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0062		Offset Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0063		3/4" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0064		3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0065		Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0066		200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0067	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	161.38	14.12
08 71 11 00-0068	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	215.86	14.12
08 71 11 00-0069	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	246.13	14.12
08 71 11 00-0070	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	246.13	14.12
08 71 11 00-0071	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	246.13	14.12
08 71 11 00-0072	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	246.13	14.12
08 71 11 00-0073	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	246.13	14.12
08 71 11 00-0074	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	177.12	14.12
08 71 11 00-0075	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	224.35	14.12
08 71 11 00-0076	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	255.81	14.12
08 71 11 00-0077	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	255.81	14.12
08 71 11 00-0078	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	255.81	14.12
08 71 11 00-0079	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	255.81	14.12
08 71 11 00-0080	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	255.81	14.12
08 71 11 00-0081	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	161.38	14.12
08 71 11 00-0082	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	215.86	14.12
08 71 11 00-0083	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	246.13	14.12
08 71 11 00-0084	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	246.13	14.12
08 71 11 00-0085	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	246.13	14.12
08 71 11 00-0086	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	246.13	14.12
08 71 11 00-0087	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	246.13	14.12
08 71 11 00-0088		500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0089	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	168.44	17.64
08 71 11 00-0090	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	222.92	17.64
08 71 11 00-0091	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	253.19	17.64
08 71 11 00-0092	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	253.19	17.64
08 71 11 00-0093	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	253.19	17.64
08 71 11 00-0094	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	253.19	17.64
08 71 11 00-0095	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	253.19	17.64
08 71 11 00-0096		600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0097	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	168.44	17.64
08 71 11 00-0098	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	222.92	17.64
08 71 11 00-0099	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	253.19	17.64
08 71 11 00-0100	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	253.19	17.64
08 71 11 00-0101	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	253.19	17.64
08 71 11 00-0102	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	253.19	17.64
08 71 11 00-0103	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	253.19	17.64
08 71 11 00-0104		700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0105	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	168.44	17.64
08 71 11 00-0106	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	222.92	17.64
08 71 11 00-0107	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	253.19	17.64
08 71 11 00-0108	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	253.19	17.64
08 71 11 00-0109	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	253.19	17.64
08 71 11 00-0110	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	253.19	17.64
08 71 11 00-0111	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	253.19	17.64
08 71 11 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0113		200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0114	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	200.11	14.12
08 71 11 00-0115	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	246.13	14.12
08 71 11 00-0116	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	278.81	14.12
08 71 11 00-0117	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	278.81	14.12
08 71 11 00-0118	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	278.81	14.12
08 71 11 00-0119	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	278.81	14.12
08 71 11 00-0120	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	278.81	14.12
08 71 11 00-0121		500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0122	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	222.92	17.64
08 71 11 00-0123	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	237.44	17.64
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	262.87	17.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	262.87	17.64
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	262.87	17.64
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	262.87	17.64
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	262.87	17.64
08 71 11 00-0129		600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	222.92	17.64
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	237.44	17.64
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	262.87	17.64
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	262.87	17.64
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	262.87	17.64
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	262.87	17.64
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	262.87	17.64
08 71 11 00-0137		700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	222.92	17.64
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	237.44	17.64
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	262.87	17.64
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	262.87	17.64
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	262.87	17.64
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	262.87	17.64
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	262.87	17.64
08 71 11 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0146		200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	177.12	14.12
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	224.35	14.12
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	255.81	14.12
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	255.81	14.12
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	255.81	14.12
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	317.65	14.12
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	255.81	14.12
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	177.12	14.12
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	224.35	14.12
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	255.81	14.12
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	255.81	14.12
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	255.81	14.12
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	255.81	14.12
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	255.81	14.12
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	154.13	14.12
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	208.61	14.12
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	240.07	14.12
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	240.07	14.12
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	240.07	14.12
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	240.07	14.12
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	240.07	14.12
08 71 11 00-0168		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	268.93	17.64
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	285.87	17.64
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	285.87	17.64
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	285.87	17.64
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	285.87	17.64
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	285.87	17.64
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	290.71	17.64
08 71 11 00-0176		600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	231.41	17.64
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	253.19	17.64
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	268.93	17.64
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	268.93	17.64
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	268.93	17.64
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	268.93	17.64
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	268.93	17.64
08 71 11 00-0184		700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	526.76	17.64
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	565.49	17.64
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	627.25	17.64
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	627.25	17.64
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	627.25	17.64
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	627.25	17.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	627.25	17.64
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0194		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	314.94	17.64
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	371.81	17.64
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	417.82	17.64
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	417.82	17.64
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	417.82	17.64
08 71 11 00-0200		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	314.94	17.64
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	371.81	17.64
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	417.82	17.64
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	417.82	17.64
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	417.82	17.64
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	314.94	17.64
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	371.81	17.64
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	417.82	17.64
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	417.82	17.64
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	417.82	17.64
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	331.66	21.17
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	378.87	21.17
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	400.67	21.17
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	400.67	21.17
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	400.67	21.17
08 71 11 00-0218		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	331.66	21.17
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	378.87	21.17
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	400.67	21.17
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	400.67	21.17
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	400.67	21.17
08 71 11 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0225		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0226	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	324.60	17.64
08 71 11 00-0227	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	377.87	17.64
08 71 11 00-0228	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	393.61	17.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0229	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	393.61	17.64
08 71 11 00-0230	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	393.61	17.64
08 71 11 00-0231		600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0232	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	324.60	17.64
08 71 11 00-0233	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	377.87	17.64
08 71 11 00-0234	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	393.61	17.64
08 71 11 00-0235	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	393.61	17.64
08 71 11 00-0236	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	393.61	17.64
08 71 11 00-0237		700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0238	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	324.60	17.64
08 71 11 00-0239	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	377.87	17.64
08 71 11 00-0240	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	393.61	17.64
08 71 11 00-0241	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	393.61	17.64
08 71 11 00-0242	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	393.61	17.64
08 71 11 00-0243		1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0244	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	363.15	21.17
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	417.61	21.17
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	432.13	21.17
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	432.13	21.17
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	432.13	21.17
08 71 11 00-0249		1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0250	EA	Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	363.15	21.17
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	417.61	21.17
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	432.13	21.17
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	432.13	21.17
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	432.13	21.17
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0256		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0257	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	362.15	17.64
08 71 11 00-0258	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	448.09	17.64
08 71 11 00-0259	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	480.77	17.64
08 71 11 00-0260	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	480.77	17.64
08 71 11 00-0261	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	480.77	17.64
08 71 11 00-0262		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0263	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	356.09	17.64
08 71 11 00-0264	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	377.87	17.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0265	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	433.56	17.64
08 71 11 00-0266	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	433.56	17.64
08 71 11 00-0267	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	433.56	17.64
08 71 11 00-0268		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0269	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	409.14	21.17
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	455.15	21.17
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	472.09	21.17
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	472.09	21.17
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	472.09	21.17
08 71 11 00-0274		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0275	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	579.83	21.17
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	618.57	21.17
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	634.31	21.17
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	634.31	21.17
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	634.31	21.17
08 71 11 00-0280		1-1/2" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0283		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0284	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	371.81	17.64
08 71 11 00-0285	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	402.08	17.64
08 71 11 00-0286	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	425.07	17.64
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	425.07	17.64
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	425.07	17.64
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	371.81	17.64
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	402.08	17.64
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	425.07	17.64
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	425.07	17.64
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	425.07	17.64
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	386.33	17.64
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	433.56	17.64
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	456.56	17.64
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	456.56	17.64
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	456.56	17.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	386.33	17.64
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	433.56	17.64
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	456.56	17.64
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	456.56	17.64
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	456.56	17.64
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	377.87	17.64
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	433.56	17.64
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	456.56	17.64
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	456.56	17.64
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	456.56	17.64
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	611.51	17.64
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	674.45	17.64
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	690.20	17.64
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	690.20	17.64
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	690.20	17.64
08 71 11 00-0321		Center Hung Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	192.86	14.12
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	208.61	14.12
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	208.61	14.12
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	208.61	14.12
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	208.61	14.12
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	208.61	14.12
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	208.61	14.12
08 71 11 00-0331		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	199.92	17.64
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	215.67	17.64
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	215.67	17.64
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	215.67	17.64
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	215.67	17.64
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	215.67	17.64
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	215.67	17.64
08 71 11 00-0339		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	199.92	17.64
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	215.67	17.64
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	215.67	17.64
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	215.67	17.64
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	215.67	17.64
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	215.67	17.64
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	215.67	17.64
08 71 11 00-0347		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	315.92	21.17
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	369.21	21.17
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	424.88	21.17
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	424.88	21.17
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	424.88	21.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	424.88	21.17
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	424.88	21.17
08 71 11 00-0355		Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0356		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	146.85	14.12
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	169.87	14.12
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	192.86	14.12
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	192.86	14.12
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	192.86	14.12
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	192.86	14.12
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	192.86	14.12
08 71 11 00-0364		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	215.67	17.64
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	222.92	17.64
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	222.92	17.64
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	222.92	17.64
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	222.92	17.64
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	222.92	17.64
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	222.92	17.64
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	215.67	17.64
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	222.92	17.64
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	222.92	17.64
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	222.92	17.64
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	222.92	17.64
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	222.92	17.64
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	222.92	17.64
08 71 11 00-0379		600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	433.56	17.64
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	456.56	17.64
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.77	17.64
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.77	17.64
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.77	17.64
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.77	17.64
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.77	17.64
08 71 11 00-0387		1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0388	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	797.73	21.17
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	820.72	21.17
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	852.21	21.17
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	852.21	21.17
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	852.21	21.17
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	852.21	21.17
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	852.21	21.17
08 71 11 00-0395		Continuous Barrel-Type Hinge *(08 71 11 00-0001)*		
08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	33.00	5.65
		For Stainless Steel, Add	*5.73*	
		For Brass Or Nickel, Add	*6.25*	
		For Aluminum, Add	*2.04*	
		For Medium Gauge, Deduct	*-2.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	33.70	5.65
		For Stainless Steel, Add	*6.12*	
		For Brass Or Nickel, Add	*6.67*	
		For Aluminum, Add	*2.18*	
		For Medium Gauge, Deduct	*-2.22*	
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	35.09	5.65
		For Stainless Steel, Add	*6.88*	
		For Brass Or Nickel, Add	*7.51*	
		For Aluminum, Add	*2.45*	
		For Medium Gauge, Deduct	*-2.50*	
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	36.66	5.65
		For Stainless Steel, Add	*7.74*	
		For Brass Or Nickel, Add	*8.45*	
		For Aluminum, Add	*2.76*	
		For Medium Gauge, Deduct	*-2.82*	
08 71 11 00-0400		**Continuous Geared Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	66.65	5.65
		For Bronze Finish, Add	*16.53*	
		For Heavy-Duty, Add	*11.78*	
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	71.80	5.65
		For Bronze Finish, Add	*18.46*	
		For Heavy-Duty, Add	*13.15*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	45.98	5.65
		For Bronze Finish, Add	*8.78*	
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	53.45	5.65
		For Bronze Finish, Add	*11.58*	
08 71 11 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	182.78	9.88
		For Satin Brass, Add	*32.01*	
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	196.96	12.70
		For Satin Brass, Add	*32.03*	
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	218.35	15.53
		For Satin Brass, Add	*33.77*	
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	286.43	18.35
		For Satin Brass, Add	*46.72*	
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	320.27	21.17
		For Satin Brass, Add	*51.46*	
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	385.58	24.00
		For Satin Brass, Add	*63.74*	
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	524.75	67.05
		For Satin Brass, Add	*93.76*	
08 71 11 00-0413		**Security Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	46.96	9.88
08 71 11 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 11 00-0001)*		
		Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.		
08 71 11 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	315.77	
08 71 11 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	372.81	
08 71 11 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	429.86	
08 71 11 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		
08 71 11 00-0420	PR	Hinge Filler Plates For Door Frames	24.45	7.06
08 71 11 00-0421		**Door Trim** *(08 71 11)*		
08 71 11 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0423		**Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0424		**Aluminum Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	39.20	17.64
08 71 11 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	43.09	17.64
08 71 11 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	44.57	17.64
08 71 11 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	67.14	17.64
08 71 11 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	69.84	17.64
08 71 11 00-0430		**Brass Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	43.63	17.64
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	45.12	17.64
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	45.12	17.64
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	45.69	17.64
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	46.45	17.64
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	46.45	17.64
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	46.45	17.64
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	44.57	17.64
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	46.82	17.64
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	46.82	17.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	47.70	17.64
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	48.45	17.64
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	48.45	17.64
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	52.00	17.64
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	46.97	17.64
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	46.97	17.64
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	49.43	17.64
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	49.43	17.64
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	49.43	17.64
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	49.43	17.64
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	48.67	17.64
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	48.67	17.64
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	51.06	17.64
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	51.06	17.64
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	51.06	17.64
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	51.06	17.64
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	69.32	17.64
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	70.39	17.64
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	72.96	17.64
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	75.06	17.64
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	75.06	17.64
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	83.58	17.64
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	83.58	17.64
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	80.43	17.64
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	81.94	17.64
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	81.94	17.64
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	81.94	17.64
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	81.94	17.64
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	93.62	17.64
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	93.62	17.64
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	56.61	17.64
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	58.56	17.64
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	62.95	17.64
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	62.95	17.64
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	62.95	17.64
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	64.26	17.64

08 71 11 00-0477 Steel Floor Stops *(08 71 11 00-0423)*

08 71 11 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	49.03	17.64
08 71 11 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	121.29	17.64
08 71 11 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	127.44	17.64

08 71 11 00-0481 Wall Stops *(08 71 11 00-0422)*

08 71 11 00-0482 Aluminum Wall Stops *(08 71 11 00-0481)*

08 71 11 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	19.49	7.06
08 71 11 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	28.45	10.59

08 71 11 00-0485 Brass Wall Stops *(08 71 11 00-0481)*

08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	32.71	7.06
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	32.71	7.06
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	32.71	7.06
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	38.48	7.06
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	39.02	7.06
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	39.02	7.06
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	39.02	7.06
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	89.91	10.59
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	91.94	10.59
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	91.94	10.59
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	91.94	10.59
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	91.94	10.59
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	91.94	10.59
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	75.59	10.59
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	86.57	10.59
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	86.57	10.59
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	86.57	10.59
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	86.57	10.59
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	89.18	10.59
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	89.18	10.59
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	143.42	10.59

08 71 11 00-0507 Steel Wall Stops *(08 71 11 00-0481)*

08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	15.24	7.06

08 71 11 00-0509 Hinge Pin Door Stops *(08 71 11 00-0422)*

08 71 11 00-0510 Aluminum Hinge Pin Door Stops *(08 71 11 00-0509)*

08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	31.57	14.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0512		Brass Hinge Pin Door Stops *(08 71 11 00-0509)*		
08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	32.20	14.12
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	36.21	14.12
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	45.85	14.12
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	45.85	14.12
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	45.85	14.12
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	50.37	14.12
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	50.37	14.12
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	50.37	14.12
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	50.37	14.12
08 71 11 00-0522		Wall Bumpers *(08 71 11 00-0422)*		
08 71 11 00-0523		Brass Wall Bumpers *(08 71 11 00-0522)*		
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	41.60	17.64
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	41.60	17.64
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	41.60	17.64
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.15	17.64
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.15	17.64
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.15	17.64
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.15	17.64
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	60.71	17.64
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.75	17.64
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.75	17.64
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.75	17.64
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.75	17.64
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.75	17.64
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	66.87	17.64
08 71 11 00-0538		Rubber Wall Bumpers *(08 71 11 00-0522)*		
08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	39.60	17.64
08 71 11 00-0540		Holders *(08 71 11 00-0421)*		
08 71 11 00-0541		Plunger Type Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0542		Aluminum Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	94.91	10.59
08 71 11 00-0544		Brass Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	154.18	10.59
08 71 11 00-0552		Kick Down Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0553		Aluminum Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	33.21	10.59
08 71 11 00-0555		Brass Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	70.07	10.59
08 71 11 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	70.07	10.59
08 71 11 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	70.07	10.59
08 71 11 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	79.68	10.59
08 71 11 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	79.68	10.59
08 71 11 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	79.68	10.59
08 71 11 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	82.11	10.59
08 71 11 00-0563		Steel Kick Down Door Holders *(08 71 11 00-0552)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	40.64	10.59
08 71 11 00-0565		**Floor Mounted Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0566		**Brass Floor Mounted Door Holders** *(08 71 11 00-0565)*		
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	137.27	21.17
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	137.27	21.17
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	169.21	21.17
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	169.21	21.17
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	169.21	21.17
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	169.21	21.17
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573		**Wall Mounted Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0574		**Aluminum Wall Mounted Door Holders** *(08 71 11 00-0573)*		
08 71 11 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	120.74	12.35
08 71 11 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	177.61	21.17
08 71 11 00-0577		**Brass Wall Mounted Door Holders** *(08 71 11 00-0573)*		
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	111.06	12.35
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.38	12.35
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.38	12.35
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.38	12.35
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.38	12.35
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.38	12.35
08 71 11 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	132.45	12.35
08 71 11 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	125.56	12.35
08 71 11 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	149.19	12.35
08 71 11 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	149.19	12.35
08 71 11 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	149.19	12.35
08 71 11 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	149.19	12.35
08 71 11 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	149.19	12.35
08 71 11 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	201.18	21.17
08 71 11 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	211.80	21.17
08 71 11 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	211.80	21.17
08 71 11 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	211.80	21.17
08 71 11 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	211.80	21.17
08 71 11 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	211.80	21.17
08 71 11 00-0597		**Overhead Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0598		**Surface Mounted, Overhead Door Holders** *(08 71 11 00-0597)*		
08 71 11 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	625.28	35.29
		For Hold Open, Add	*69.86*	
08 71 11 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	714.46	35.29
		For Hold Open, Add	*82.73*	
08 71 11 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	714.46	35.29
		For Hold Open, Add	*82.73*	
08 71 11 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	714.46	35.29
		For Hold Open, Add	*82.73*	
08 71 11 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	711.43	35.29
		For Hold Open, Add	*82.29*	
08 71 11 00-0604	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Stop (ABH 8021)	375.71	35.29
08 71 11 00-0605		**Heavy-Duty, Surface Mounted, Overhead Door Holders** *(08 71 11 00-0597)* Note: With or without hold open feature.		
08 71 11 00-0606	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	490.60	35.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0607	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	703.54	35.29
08 71 11 00-0608	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	796.36	35.29
08 71 11 00-0609	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	796.36	35.29
08 71 11 00-0610	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	796.36	35.29
08 71 11 00-0611		**Concealed Mounted, Overhead Door Holders** *(08 71 11 00-0597)*		
		Note: With or without hold open feature.		
08 71 11 00-0612	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	681.10	35.29
08 71 11 00-0613	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	681.10	35.29
08 71 11 00-0614	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	717.50	35.29
08 71 11 00-0615	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	748.44	35.29
08 71 11 00-0616	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	748.44	35.29
08 71 11 00-0617		**Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0618		**Brass Surface Bolts** *(08 71 11 00-0617)*		
08 71 11 00-0619	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	203.46	17.64
08 71 11 00-0620	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	217.48	17.64
08 71 11 00-0621	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	217.48	17.64
08 71 11 00-0622		**Steel Surface Bolts** *(08 71 11 00-0617)*		
08 71 11 00-0623	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	94.87	17.64
08 71 11 00-0624	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	94.87	17.64
08 71 11 00-0625	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	94.87	17.64
08 71 11 00-0626	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	107.12	17.64
08 71 11 00-0627	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	108.88	17.64
08 71 11 00-0628	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	112.37	17.64
08 71 11 00-0629	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	110.61	17.64
08 71 11 00-0630	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	115.89	17.64
08 71 11 00-0631	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	122.89	17.64
08 71 11 00-0632	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	128.14	17.64
08 71 11 00-0633	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	198.21	17.64
08 71 11 00-0634		**Door Viewer** *(08 71 11 00-0421)*		
08 71 11 00-0635		**Brass Door Viewer** *(08 71 11 00-0634)*		
08 71 11 00-0636	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	52.00	17.64
08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	52.00	17.64
08 71 11 00-0638	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	52.00	17.64
08 71 11 00-0639	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	59.83	17.64
08 71 11 00-0640	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	59.83	17.64
08 71 11 00-0641	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	59.83	17.64
08 71 11 00-0642	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	69.48	17.64
08 71 11 00-0643	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	69.48	17.64
08 71 11 00-0644		**Door Knockers** *(08 71 11 00-0421)*		
08 71 11 00-0645		**Brass Door Knockers** *(08 71 11 00-0644)*		
08 71 11 00-0646	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	76.15	17.64
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	83.58	17.64
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	83.58	17.64
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	83.58	17.64
08 71 11 00-0650	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	111.79	17.64
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	129.72	17.64
08 71 11 00-0652		**Hasps** *(08 71 11 00-0421)*		
08 71 11 00-0653	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	36.77	13.32
08 71 11 00-0654	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	39.18	14.12
08 71 11 00-0655	EA	6", Zinc Plated Finish, Steel Hasp Assembly	49.54	15.88
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	192.21	19.06
08 71 11 00-0657		**Flush Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0658		**Flush Bolts For Metal Doors** *(08 71 11 00-0657)*		
08 71 11 00-0659		**Brass Flush Bolts For Metal Doors** *(08 71 11 00-0658)*		
08 71 11 00-0660		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0661	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	73.84	17.64
08 71 11 00-0662		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0663	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	147.11	17.64
08 71 11 00-0664	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	147.11	17.64
08 71 11 00-0665	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	255.12	28.23
08 71 11 00-0666	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	261.30	24.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	271.84	26.47
08 71 11 00-0668		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0669	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	173.52	17.64
08 71 11 00-0670	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	321.34	28.23
08 71 11 00-0671	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	314.28	24.70
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	326.57	26.47
08 71 11 00-0673		**Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0658)*		
08 71 11 00-0674		**Automatic, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0673)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0675	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	147.11	17.64
08 71 11 00-0676	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	147.11	17.64
08 71 11 00-0677	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	255.12	28.23
08 71 11 00-0678	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	261.30	24.70
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	271.84	26.47
08 71 11 00-0680		**Constant Latching, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0673)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0681	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	173.52	17.64
08 71 11 00-0682	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	321.34	28.23
08 71 11 00-0683	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	314.28	24.70
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	326.57	26.47
08 71 11 00-0685		**Flush Bolts For Wood Doors** *(08 71 11 00-0657)*		
08 71 11 00-0686		**Brass Flush Bolts For Wood Doors** *(08 71 11 00-0685)*		
08 71 11 00-0687		**Manual, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0688	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	86.95	17.64
08 71 11 00-0689		**Automatic, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0690	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	181.89	17.64
08 71 11 00-0691	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	181.89	17.64
08 71 11 00-0692	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	336.05	28.23
08 71 11 00-0693	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	328.99	24.70
08 71 11 00-0694		**Constant Latching, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0695	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	180.53	17.64
08 71 11 00-0696	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	336.05	28.23
08 71 11 00-0697	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	328.99	24.70
08 71 11 00-0698		**Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0685)*		
08 71 11 00-0699		**Automatic, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0698)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0700	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	181.89	17.64
08 71 11 00-0701	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	181.89	17.64
08 71 11 00-0702	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	336.05	28.23
08 71 11 00-0703	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	328.99	24.70
08 71 11 00-0704		**Constant Latching, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0698)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0705	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	180.53	17.64
08 71 11 00-0706	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	336.05	28.23
08 71 11 00-0707	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	328.99	24.70
08 71 11 00-0708		**Dust Proof Strikes** *(08 71 11 00-0657)*		
08 71 11 00-0709	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	65.72	14.12
08 71 11 00-0710	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	65.72	14.12
08 71 11 00-0711	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	65.72	14.12
08 71 11 00-0712	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	65.72	14.12
08 71 11 00-0713	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	65.72	14.12
08 71 11 00-0714	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	75.52	14.12
08 71 11 00-0715	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	75.52	14.12
08 71 11 00-0716	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	75.52	14.12
08 71 11 00-0717	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	75.52	14.12
08 71 11 00-0718	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	75.52	14.12

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0719		Roller Bumpers *(08 71 11 00-0421)*		
08 71 11 00-0720		Brass Roller Bumpers *(08 71 11 00-0719)*		
08 71 11 00-0721	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	68.19	10.59
08 71 11 00-0722	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	79.90	10.59
08 71 11 00-0723	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	79.90	10.59
08 71 11 00-0724	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	65.55	10.59
08 71 11 00-0725	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	74.47	10.59
08 71 11 00-0726	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	74.47	10.59
08 71 11 00-0727	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	74.47	10.59
08 71 11 00-0728	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	68.37	10.59
08 71 11 00-0729	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	74.68	10.59
08 71 11 00-0730	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.65	10.59
08 71 11 00-0731	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.65	10.59
08 71 11 00-0732	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.65	10.59
08 71 11 00-0733	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.65	10.59
08 71 11 00-0734	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.65	10.59
08 71 11 00-0735		Other Door Trim *(08 71 11 00-0421)*		
08 71 11 00-0736		Coat And Hat Hooks *(08 71 11 00-0735)*		
08 71 11 00-0737		Aluminum Coat And Hat Hooks *(08 71 11 00-0736)*		
08 71 11 00-0738	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	24.46	10.59
08 71 11 00-0739	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	24.46	10.59
08 71 11 00-0740	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	24.67	10.59
08 71 11 00-0741	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	24.30	10.59
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	24.30	10.59
08 71 11 00-0743	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	24.30	10.59
08 71 11 00-0744	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	24.67	10.59
08 71 11 00-0745	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	25.76	10.59
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	25.76	10.59
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	25.76	10.59
08 71 11 00-0748	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	25.76	10.59
08 71 11 00-0749	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	25.76	10.59
08 71 11 00-0750		Brass Coat And Hat Hooks *(08 71 11 00-0736)*		
08 71 11 00-0751	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	30.40	10.59
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	30.98	10.59
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	31.89	10.59
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	31.89	10.59
08 71 11 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	32.46	10.59
08 71 11 00-0756	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	34.31	10.59
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	36.92	10.59
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	36.92	10.59
08 71 11 00-0759	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	36.92	10.59
08 71 11 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	37.50	10.59
08 71 11 00-0761		Door Plates And Pulls *(08 71 11)*		
08 71 11 00-0762		Kick Plate *(08 71 11 00-0761)* Note: Ives 8400.		
08 71 11 00-0763		Aluminum Base Material Kick Plate *(08 71 11 00-0762)*		
08 71 11 00-0764		Satin Aluminum Finish, Aluminum Kick Plate *(08 71 11 00-0763)* Note: US28		
08 71 11 00-0765	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.33	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0766	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.00	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0767	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.61	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0768	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.25	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0769	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.74	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0770	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.32	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0771	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.97	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0772	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.60	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0773	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.06	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0774	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.70	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0775	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.31	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0776	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.81	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0777	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0778	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.06	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0779	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.61	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0780	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.92	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0781	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.17	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0782	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.47	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0783	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.60	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0784	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.88	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.19	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.46	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.59	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.87	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0789	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.17	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.31	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0791	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.56	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.87	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0793	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.86	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.78	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0795	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	93.78	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.67	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.46	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.35	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.33	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.09	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.04	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0803	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.01	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.79	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.73	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.71	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.87	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.49	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.16	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.77	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.17	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.79	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.40	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.01	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.04	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.65	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	155.08	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.72	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	164.33	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.16	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.72	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.97	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.79	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.35	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.63	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.88	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.96	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.27	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.51	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.58	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0833	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.86	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	180.17	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.57	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.88	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.19	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	133.50	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.60	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.91	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	155.23	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.54	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	170.68	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.99	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.30	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	192.43	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.74	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	205.06	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0849	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.09	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.10	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.11	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.12	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	155.96	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	162.97	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.98	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.99	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	186.82	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	193.83	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	200.84	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	210.67	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	217.68	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	224.69	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0863	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.80	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.51	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.22	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	155.92	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	166.49	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.20	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.91	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	189.61	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	200.14	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	207.85	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	215.56	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	226.08	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	233.79	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	241.50	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.51	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.91	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	157.35	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	165.76	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.99	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	185.40	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	193.80	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	202.24	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	213.46	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	221.87	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	230.27	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	241.50	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	249.93	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	258.34	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0891 Brass Base Material Kick Plate *(08 71 11 00-0762)*

08 71 11 00-0892 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0891)*
Note: US3/US4

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0893	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	138.61	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0894	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	147.35	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	156.11	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	164.85	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	176.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	185.21	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.95	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	202.69	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	214.25	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.99	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	231.73	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	243.30	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	252.10	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	260.84	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	162.69	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	173.59	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0909	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	184.56	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	195.49	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	209.21	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	220.17	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	231.13	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	242.07	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	255.79	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.75	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	277.71	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	291.44	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	302.41	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	313.34	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	186.69	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	199.87	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0923	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	212.97	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	226.09	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	242.07	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	255.19	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	268.31	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	281.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	297.41	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	310.51	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	323.63	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	339.59	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	352.68	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	365.87	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	213.62	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	228.91	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	244.23	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	259.58	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	277.71	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.03	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	308.32	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	323.63	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	341.78	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	357.10	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	372.38	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	390.52	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	405.87	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	421.18	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	298.80	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.91	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	344.96	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	367.98	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0953	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	393.85	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	416.93	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	440.02	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	463.01	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	488.95	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	512.03	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	535.08	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	560.92	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	583.97	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	607.06	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	330.01	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	355.89	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	381.74	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	407.69	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	436.39	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	462.25	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	488.19	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	514.04	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	542.82	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	568.70	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.55	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	623.32	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	649.17	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	675.05	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	364.47	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	393.21	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	422.02	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	450.73	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	482.37	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	511.15	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0983	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	539.89	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	568.70	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	600.24	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	629.04	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	657.82	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	689.38	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	718.19	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	746.91	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	396.14	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	427.74	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	459.38	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	491.05	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	525.52	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	557.19	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	588.83	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	620.50	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	654.93	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	686.56	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	718.23	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	752.69	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	784.36	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	815.94	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	427.74	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	462.25	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	496.81	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	531.34	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	568.70	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	603.20	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	637.73	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	674.15	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1013	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	709.58	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	744.09	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	778.62	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	815.94	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	850.53	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	885.03	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1019 Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0891)*

Note: US10/US10B

08 71 11 00-1020	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	150.37	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1021	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	160.15	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	170.01	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	179.78	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	192.47	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	202.27	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.11	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	221.91	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	234.50	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.37	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	254.17	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.83	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	276.64	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	286.47	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	177.35	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1035	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.65	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	201.89	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	214.16	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	229.25	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	241.55	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	253.79	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.06	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1042	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	281.18	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.45	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	305.68	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	320.85	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	333.08	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	345.35	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	204.35	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	219.09	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	233.79	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	248.53	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.06	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	280.82	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	295.56	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	310.26	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	327.82	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.52	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.23	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	374.80	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	389.56	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	404.27	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	234.15	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	251.35	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	268.52	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	285.69	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	305.68	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	322.89	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	340.06	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.23	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.26	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	394.43	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1072	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	411.61	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	431.63	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	448.86	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	466.03	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.20	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	353.95	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	379.68	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	405.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	433.95	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	459.68	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	485.44	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	511.17	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	539.72	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	565.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	591.18	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	619.72	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	645.45	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	671.18	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	362.66	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	391.55	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	420.39	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	449.28	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	480.93	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	509.79	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	538.66	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	567.52	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	599.18	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	628.08	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	656.97	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	688.62	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1102	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	717.52	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	746.35	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	400.74	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	432.86	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	464.89	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	497.01	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	531.87	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	563.93	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	596.02	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	628.08	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	663.02	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	695.05	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	727.11	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	762.02	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	794.08	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	826.17	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	436.02	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	471.34	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	506.60	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	541.85	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	580.00	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	615.26	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	650.55	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	685.80	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	723.94	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	759.20	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	794.48	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	832.56	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	867.82	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	903.13	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1132	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	471.34	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	509.79	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	548.28	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	586.76	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	628.08	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	666.56	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	705.10	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	743.53	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	784.83	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	823.35	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	861.83	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	903.13	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	941.62	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	980.10	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146		Stainless Base Material Kick Plate *(08 71 11 00-0762)*		
08 71 11 00-1147		Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-1146)*		
		Note: US26/US26D		
08 71 11 00-1148	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	148.73	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1149	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	158.41	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	168.08	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	177.75	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	190.25	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	199.89	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	209.57	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	219.24	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	231.73	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	241.44	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	251.11	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	263.62	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	273.29	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	282.96	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1162	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	175.34	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	187.43	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	199.51	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	211.60	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	226.53	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	238.62	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	250.70	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	262.79	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	277.69	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	289.78	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	301.86	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	316.78	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	328.86	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	340.95	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1176	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	201.92	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	216.42	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	230.98	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	245.47	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	262.79	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	277.31	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	291.81	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	306.30	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	323.62	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	338.12	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	352.64	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	369.97	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	384.52	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	399.02	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	231.32	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	248.29	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1192	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	265.23	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	282.13	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	301.86	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	318.80	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	335.70	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	352.64	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	372.44	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	389.35	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	406.25	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	395.49	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	442.91	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	459.85	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	328.86	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	354.67	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	380.46	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	406.25	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	434.85	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	460.64	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	486.46	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	512.25	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	540.86	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	566.65	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	592.44	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	621.04	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	646.83	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	672.62	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	363.40	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	392.36	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	421.26	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	450.22	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1222	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	481.94	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	510.87	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	539.80	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	568.73	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	600.46	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	629.42	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.38	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	690.10	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	719.06	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	747.96	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	401.56	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	433.76	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	465.86	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	498.05	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	532.99	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	565.12	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	597.29	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	629.42	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	664.44	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	696.54	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	728.68	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	763.66	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	795.80	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	827.96	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	436.93	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	472.33	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	507.67	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	543.01	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	581.24	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	616.57	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1252	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	651.94	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	687.28	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	725.50	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	760.84	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	796.21	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	834.37	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	869.71	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	905.11	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	472.33	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	510.87	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	549.45	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	588.02	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	629.42	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	668.00	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	706.63	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	745.14	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	786.54	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	825.14	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	863.71	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	905.11	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	943.68	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	982.25	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1274 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1146)*

Note: US32D

08 71 11 00-1275	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.46	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.51	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.47	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.56	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.37	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.33	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1281	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.40	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.24	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.26	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.25	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.10	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.13	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.12	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.75	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.55	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.32	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.05	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.67	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.44	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.18	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.92	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.57	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.31	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.05	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.68	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.18	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.06	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.58	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.10	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.61	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.92	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.47	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.95	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.50	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1311	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.81	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.35	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.90	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.22	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.76	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.25	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.17	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.43	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.73	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.99	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.05	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.34	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.61	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.90	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.03	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.23	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	161.52	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.64	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.90	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	180.20	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.79	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.52	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.98	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.41	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	144.67	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.13	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.59	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.02	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	173.28	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	179.77	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1341	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.23	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.02	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	201.91	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	208.37	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.15	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.27	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.33	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	144.42	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.36	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	161.42	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	168.51	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.56	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	185.51	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.60	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	199.66	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.60	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.72	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	223.78	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.65	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.51	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.41	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.25	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	168.97	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.87	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	184.71	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.60	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	203.29	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	211.19	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	219.08	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	229.74	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1371	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	237.64	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	245.50	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	143.29	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.99	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.61	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.31	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	180.76	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	189.46	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	198.11	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	206.78	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.25	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	226.92	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	235.62	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	247.06	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	255.76	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	264.38	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.99	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	161.42	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	170.90	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	180.32	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.60	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	202.06	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	211.51	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	220.96	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	233.23	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	242.68	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	252.14	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	264.38	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	273.86	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1400	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	283.34	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1401		Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1146)* Note: US32		
08 71 11 00-1402	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.29	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1403	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.41	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.47	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	141.56	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	151.44	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.56	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.61	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.73	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	182.58	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.70	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	196.82	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	206.71	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.80	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	220.85	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.79	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.62	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.51	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.37	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.02	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.88	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	195.77	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.63	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.28	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.14	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.03	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	245.66	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	254.55	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	263.41	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1430	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	159.25	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	169.91	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.55	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	191.18	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.63	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	215.20	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.87	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	236.50	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	249.95	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.58	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.19	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	284.68	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	295.28	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	305.92	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	181.59	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.00	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	206.40	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.81	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.03	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.41	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.81	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.19	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	298.86	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	311.26	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	326.49	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	338.83	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	351.24	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	201.06	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	215.20	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1460	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	229.44	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.59	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.58	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	274.76	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	288.91	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.09	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	320.09	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	334.24	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	348.42	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	365.41	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	379.62	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	393.80	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	222.63	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	238.82	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	254.89	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.09	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	290.04	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	306.11	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	322.30	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	347.60	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	357.40	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.53	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	389.66	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	408.62	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	424.75	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	440.88	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	245.22	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	263.12	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	281.06	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	298.96	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1490	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.73	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	337.69	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	355.57	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.53	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	394.23	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	412.19	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	430.13	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	450.85	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	468.79	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	486.69	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	264.92	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	284.63	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	304.34	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	324.05	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	346.61	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	366.35	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	386.09	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	405.80	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	428.32	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	448.03	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	467.74	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	490.27	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1512	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	510.03	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	529.74	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	284.63	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	306.11	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	327.65	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	349.16	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.53	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	395.01	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1520	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	416.52	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	438.06	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	462.39	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	483.87	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	505.41	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	529.74	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	551.28	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	572.76	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528		Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-1146)*		
		Note: US15		
08 71 11 00-1529	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	152.68	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1530	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	162.66	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	172.74	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	182.72	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	195.62	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	205.63	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	215.67	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	225.69	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	238.49	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	248.57	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	258.58	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	271.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	281.47	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	291.51	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	180.23	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	192.80	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1545	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, StainlessKick Plate	205.30	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	217.83	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	233.18	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	245.75	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1549	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	258.25	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	270.78	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	286.16	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	298.69	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	311.19	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	326.62	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	339.12	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	351.65	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	207.82	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	222.87	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	237.89	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	252.94	10.59
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	270.78	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	285.86	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	300.91	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	315.93	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	333.80	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.82	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	363.84	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	381.72	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	396.81	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	411.83	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	238.19	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	255.76	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	273.30	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	290.84	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	311.19	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	328.76	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	346.30	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	363.84	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1579	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	384.24	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	401.78	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	419.32	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	439.71	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	457.31	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	474.85	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	334.25	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	360.56	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	386.83	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	413.11	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	442.21	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	468.48	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	494.79	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	521.07	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	550.18	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	576.45	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	602.73	12.70
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	631.83	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	658.10	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	684.38	13.41
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	369.45	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	398.96	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	428.41	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	457.92	11.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	490.19	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	519.67	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	549.15	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	578.63	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	610.91	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	640.42	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1609	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	669.93	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	702.20	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	731.71	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	761.16	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	408.28	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	441.09	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	473.80	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	506.61	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	542.15	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	574.90	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	607.67	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	640.42	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	676.05	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	708.76	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	741.51	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	777.10	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	809.85	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	842.62	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	444.32	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	480.39	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	516.40	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	552.41	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	591.32	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	627.33	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	663.37	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	699.38	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	738.27	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	774.28	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	810.32	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	849.15	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1639	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	885.16	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	921.24	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	480.39	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	519.67	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	558.98	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	598.28	12.00
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	640.42	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	679.73	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	719.09	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	758.34	12.70
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	800.47	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	839.80	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	879.11	13.41
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	921.24	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	960.54	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	999.85	14.12
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1655 Plastic Kick Plate *(08 71 11 00-0762)*

08 71 11 00-1656 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1655)*

Note: With four beveled edges.

08 71 11 00-1657	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.87	10.59
08 71 11 00-1658	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.06	10.59
08 71 11 00-1659	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.33	10.59
08 71 11 00-1660	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.55	10.59
08 71 11 00-1661	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.62	11.29
08 71 11 00-1662	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.84	11.29
08 71 11 00-1663	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.03	11.29
08 71 11 00-1664	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.30	11.29
08 71 11 00-1665	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.05	12.00
08 71 11 00-1666	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.53	12.00
08 71 11 00-1667	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.80	12.00
08 71 11 00-1668	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.85	12.70
08 71 11 00-1669	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.10	12.70
08 71 11 00-1670	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.32	12.70
08 71 11 00-1671	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.98	10.59
08 71 11 00-1672	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.80	10.59
08 71 11 00-1673	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.56	10.59
08 71 11 00-1674	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.32	10.59
08 71 11 00-1675	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.95	11.29
08 71 11 00-1676	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.71	11.29
08 71 11 00-1677	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.53	11.29
08 71 11 00-1678	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.29	11.29
08 71 11 00-1679	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.92	12.00
08 71 11 00-1680	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.68	12.00
08 71 11 00-1681	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.49	12.00
08 71 11 00-1682	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.09	12.70
08 71 11 00-1683	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.90	12.70
08 71 11 00-1684	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.66	12.70
08 71 11 00-1685	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.13	10.59
08 71 11 00-1686	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.48	10.59
08 71 11 00-1687	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.78	10.59
08 71 11 00-1688	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.16	10.59
08 71 11 00-1689	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.29	11.29
08 71 11 00-1690	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.67	11.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1691	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.02	11.29
08 71 11 00-1692	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.35	11.29
08 71 11 00-1693	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.47	12.00
08 71 11 00-1694	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.83	12.00
08 71 11 00-1695	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.21	12.00
08 71 11 00-1696	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.34	12.70
08 71 11 00-1697	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	127.73	12.70
08 71 11 00-1698	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.03	12.70
08 71 11 00-1699	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.06	11.29
08 71 11 00-1700	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.98	11.29
08 71 11 00-1701	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.85	11.29
08 71 11 00-1702	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.78	11.29
08 71 11 00-1703	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.49	12.00
08 71 11 00-1704	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.36	12.00
08 71 11 00-1705	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.29	12.00
08 71 11 00-1706	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.21	12.00
08 71 11 00-1707	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.91	12.70
08 71 11 00-1708	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.84	12.70
08 71 11 00-1709	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.73	12.70
08 71 11 00-1710	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.42	13.41
08 71 11 00-1711	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.35	13.41
08 71 11 00-1712	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	147.22	13.41
08 71 11 00-1713	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.54	11.29
08 71 11 00-1714	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.68	11.29
08 71 11 00-1715	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.74	11.29
08 71 11 00-1716	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.88	11.29
08 71 11 00-1717	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.84	12.00
08 71 11 00-1718	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.96	12.00
08 71 11 00-1719	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.10	12.00
08 71 11 00-1720	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.19	12.00
08 71 11 00-1721	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.16	12.70
08 71 11 00-1722	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.27	12.70
08 71 11 00-1723	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	158.41	12.70
08 71 11 00-1724	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.37	13.41
08 71 11 00-1725	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.43	13.41
08 71 11 00-1726	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	176.58	13.41
08 71 11 00-1727	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.55	11.29
08 71 11 00-1728	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.34	11.29
08 71 11 00-1729	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.07	11.29
08 71 11 00-1730	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.86	11.29
08 71 11 00-1731	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	262.36	12.00
08 71 11 00-1732	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.19	12.00
08 71 11 00-1733	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.98	12.00
08 71 11 00-1734	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.71	12.00
08 71 11 00-1735	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	160.33	12.70
08 71 11 00-1736	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.10	12.70
08 71 11 00-1737	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.84	12.70
08 71 11 00-1738	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	180.45	13.41
08 71 11 00-1739	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	186.18	13.41
08 71 11 00-1740	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	191.97	13.41
08 71 11 00-1741	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.43	12.00
08 71 11 00-1742	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.84	12.00
08 71 11 00-1743	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.23	12.00
08 71 11 00-1744	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.64	12.00
08 71 11 00-1745	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.89	12.70
08 71 11 00-1746	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.27	12.70
08 71 11 00-1747	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	159.68	12.70
08 71 11 00-1748	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.10	12.70
08 71 11 00-1749	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.30	13.41
08 71 11 00-1750	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	181.72	13.41
08 71 11 00-1751	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	188.10	13.41
08 71 11 00-1752	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.34	14.12
08 71 11 00-1753	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	203.75	14.12
08 71 11 00-1754	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	210.14	14.12
08 71 11 00-1755	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.49	12.00
08 71 11 00-1756	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.50	12.00
08 71 11 00-1757	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.56	12.00
08 71 11 00-1758	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.57	12.00
08 71 11 00-1759	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.49	12.70
08 71 11 00-1760	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.55	12.70
08 71 11 00-1761	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.56	12.70
08 71 11 00-1762	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.63	12.70
08 71 11 00-1763	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.45	13.41
08 71 11 00-1764	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	194.52	13.41
08 71 11 00-1765	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	201.58	13.41
08 71 11 00-1766	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	211.41	14.12
08 71 11 00-1767	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	218.47	14.12
08 71 11 00-1768	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	225.48	14.12
08 71 11 00-1769	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.50	12.00
08 71 11 00-1770	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.19	12.00
08 71 11 00-1771	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	147.90	12.00
08 71 11 00-1772	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	155.58	12.00
08 71 11 00-1773	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.10	12.70
08 71 11 00-1774	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	173.76	12.70
08 71 11 00-1775	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	181.44	12.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1776	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.15	12.70
08 71 11 00-1777	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.66	13.41
08 71 11 00-1778	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.32	13.41
08 71 11 00-1779	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	215.00	13.41
08 71 11 00-1780	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	225.48	14.12
08 71 11 00-1781	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	233.22	14.12
08 71 11 00-1782	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	240.90	14.12

08 71 11 00-1783 Mop Plate *(08 71 11 00-0761)*

Note: Ives 8400. See CSI section 08 71 11 00-0761 for 8" High Plates.

08 71 11 00-1784 Aluminum Base Material Mop Plate *(08 71 11 00-1783)*

08 71 11 00-1785 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1784)*

Note: US28

08 71 11 00-1786	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.37	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1787	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.97	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1788	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.50	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1789	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.10	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1790	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	66.39	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1791	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.92	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1792	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.52	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1793	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.06	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1794	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	75.05	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1795	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.62	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1796	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.19	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1797	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.57	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1798	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	84.17	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1799	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	85.71	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1800	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.02	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1801	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.37	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1802	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.75	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1803	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	74.10	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.17	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.49	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.90	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	85.21	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	89.99	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	92.34	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1810	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	94.72	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	99.89	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	102.27	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	104.59	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1814 Brass Base Material Mop Plate *(08 71 11 00-1783)*

08 71 11 00-1815 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1814)*

Note: US3/US4

08 71 11 00-1816	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	91.92	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1817	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	96.60	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	101.21	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1819	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	105.85	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	112.15	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	116.76	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	121.40	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	126.01	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	133.06	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	137.67	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	142.28	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	149.74	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	154.35	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	159.02	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	117.41	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.32	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	131.27	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	138.19	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	146.83	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	153.80	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	160.69	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	167.67	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	176.95	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	183.93	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1840	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	190.88	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	200.62	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	207.56	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	214.48	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1844 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1814)*

Note: US10/US10B

08 71 11 00-1845	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	97.93	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1846	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	103.08	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	108.26	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	113.42	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	120.29	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	125.47	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	130.65	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	135.83	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	143.36	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	148.54	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	153.72	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	161.72	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	166.90	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	172.03	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	126.34	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	134.14	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1861	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	141.89	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	164.72	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	159.06	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	166.81	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	174.55	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	182.29	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	192.49	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	200.24	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1869	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	207.98	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	218.54	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	226.29	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	234.03	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1873 Stainless Base Material Mop Plate *(08 71 11 00-1783)*

08 71 11 00-1874 Bright/Satin Chrome Finish, Stainless Mop Plate *(08 71 11 00-1873)*

Note: US26/US26D

08 71 11 00-1875	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	97.03	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	102.09	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	107.18	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	112.27	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	119.02	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	124.11	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	129.20	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	134.26	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	141.76	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	146.88	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	151.97	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	159.88	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	164.94	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	170.03	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	124.98	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	132.57	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	140.23	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	147.88	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	157.16	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	164.81	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	172.41	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	180.06	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	190.11	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	197.70	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1899	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	205.35	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	215.77	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	223.42	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	231.04	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1903 Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1873)*

Note: US32D

08 71 11 00-1904	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.89	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.55	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.28	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	64.97	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	68.38	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.11	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.77	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.49	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	77.59	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.31	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	81.04	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	85.52	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	87.24	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	88.94	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	69.22	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.80	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	74.36	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	76.95	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	81.16	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.72	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	86.30	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	88.86	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	93.84	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	96.37	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1928	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	98.92	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	104.33	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	106.85	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	109.44	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1932 Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1873)*

Note: US32

08 71 11 00-1933	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	82.31	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1934	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	86.08	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	89.85	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	93.56	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	99.02	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	102.77	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.54	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	110.31	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	116.42	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	120.19	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	123.96	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	130.52	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	134.29	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	138.00	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	102.93	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	108.62	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	114.24	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	119.87	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	127.15	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	132.78	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	138.40	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	144.03	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	152.08	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	157.71	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1957	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	163.34	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	171.78	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	177.38	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	183.00	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1961 Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1873)*

Note: US15

08 71 11 00-1962	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	98.96	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1963	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	104.16	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	109.46	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	114.73	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	121.68	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	126.92	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	132.19	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	137.45	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	145.15	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	150.39	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	155.62	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	163.74	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	169.01	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	174.21	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	127.88	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	135.76	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	143.65	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	151.53	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	161.11	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	168.99	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	176.88	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	184.80	10.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	195.08	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	203.00	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1986	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	210.88	11.29
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	221.59	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	229.47	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	237.39	12.00
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990		Plastic Mop Plate *(08 71 11 00-1783)*		
08 71 11 00-1991		Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-1990)*		
		Note: With four beveled edges.		
08 71 11 00-1992	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	56.71	10.30
08 71 11 00-1993	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.13	10.30
08 71 11 00-1994	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.57	10.30
08 71 11 00-1995	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	60.99	10.30
08 71 11 00-1996	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.09	10.73
08 71 11 00-1997	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.51	10.73
08 71 11 00-1998	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.92	10.73
08 71 11 00-1999	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.37	10.73
08 71 11 00-2000	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	72.18	11.29
08 71 11 00-2001	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	73.60	11.29
08 71 11 00-2002	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	75.01	11.29
08 71 11 00-2003	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.25	12.00
08 71 11 00-2004	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	80.70	12.00
08 71 11 00-2005	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	82.11	12.00
08 71 11 00-2006	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.53	10.30
08 71 11 00-2007	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.68	10.30
08 71 11 00-2008	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.80	10.30
08 71 11 00-2009	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	70.92	10.30
08 71 11 00-2010	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	74.77	10.73
08 71 11 00-2011	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	76.89	10.73
08 71 11 00-2012	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.01	10.73
08 71 11 00-2013	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.14	10.73
08 71 11 00-2014	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	85.69	11.29
08 71 11 00-2015	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	87.81	11.29
08 71 11 00-2016	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	89.94	11.29
08 71 11 00-2017	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	94.91	12.00
08 71 11 00-2018	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	97.03	12.00
08 71 11 00-2019	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	99.16	12.00
08 71 11 00-2020		Armor Door Plate *(08 71 11 00-0761)*		
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2021	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	32.30	1.76
08 71 11 00-2022	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.74	1.37
08 71 11 00-2023	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.42	1.76
08 71 11 00-2024	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.86	1.37
08 71 11 00-2025	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	71.60	1.76
08 71 11 00-2026	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	70.04	1.37
08 71 11 00-2027		Pull Handle And Plates *(08 71 11 00-0761)*		
08 71 11 00-2028		Pull Handle *(08 71 11 00-2027)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2029	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	72.04	11.65
		For Stainless Steel, Add	*10.69*	
		For Brass, Add	*14.51*	
		For Bronze Anodized, Add	*4.58*	
08 71 11 00-2030	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	75.34	11.65
		For Stainless Steel, Add	*12.08*	
		For Brass, Add	*16.39*	
		For Bronze Anodized, Add	*5.18*	
08 71 11 00-2031	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	80.55	11.65
		For Stainless Steel, Add	*14.27*	
		For Brass, Add	*19.36*	
		For Bronze Anodized, Add	*6.11*	
08 71 11 00-2032	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	83.44	11.65
		For Stainless Steel, Add	*15.48*	
		For Brass, Add	*21.01*	
		For Bronze Anodized, Add	*6.63*	
08 71 11 00-2033	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	88.67	11.65
		For Stainless Steel, Add	*17.68*	
		For Brass, Add	*23.99*	
		For Bronze Anodized, Add	*7.58*	
08 71 11 00-2034	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	95.43	11.65
		For Stainless Steel, Add	*20.52*	
		For Brass, Add	*27.84*	
		For Bronze Anodized, Add	*8.79*	
08 71 11 00-2035	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	75.59	11.65
		For Stainless Steel, Add	*12.18*	
		For Brass, Add	*16.54*	
		For Bronze Anodized, Add	*5.22*	
08 71 11 00-2036	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	82.80	11.65
		For Stainless Steel, Add	*15.21*	
		For Brass, Add	*20.65*	
		For Bronze Anodized, Add	*6.52*	
08 71 11 00-2037	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	83.98	11.65
		For Stainless Steel, Add	*15.71*	
		For Brass, Add	*21.32*	
		For Bronze Anodized, Add	*6.73*	
08 71 11 00-2038	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	156.78	11.65
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.83*	
		For Brass, Add	*19.17*	
08 71 11 00-2039	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	161.24	11.65
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*21.67*	
		For Brass, Add	*19.95*	
08 71 11 00-2040	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	170.21	11.65
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*23.37*	
		For Brass, Add	*21.51*	
08 71 11 00-2041	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	222.12	11.65
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*33.18*	
		For Brass, Add	*30.54*	

08 71 11 00-2042 Pull Plate *(08 71 11 00-2027)*

08 71 11 00-2043	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	107.85	8.82
		For Stainless Steel, Add	*42.81*	
		For Brass, Add	*54.42*	
		For Bronze Anodized, Add	*13.06*	
08 71 11 00-2044	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	110.37	8.82
		For Stainless Steel, Add	*44.30*	
		For Brass, Add	*56.31*	
		For Bronze Anodized, Add	*13.51*	
08 71 11 00-2045	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	116.12	8.82
		For Stainless Steel, Add	*47.69*	
		For Brass, Add	*60.62*	
		For Bronze Anodized, Add	*14.55*	

08 71 11 00-2046 Push Bars And Plates *(08 71 11 00-0761)*

08 71 11 00-2047 Push Bars *(08 71 11 00-2046)*

08 71 11 00-2048	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	317.68	8.82
08 71 11 00-2049	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	281.00	8.82
		For Brass Push Bar, Add	*42.75*	
08 71 11 00-2050	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	291.31	8.82
		For Brass Push Bar, Add	*44.55*	
08 71 11 00-2051	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	547.33	8.82
		For Brass Push Bar, Add	*89.09*	

08 71 11 00-2052 Push Plates *(08 71 11 00-2046)*

08 71 11 00-2053 Aluminum Push Plates *(08 71 11 00-2052)*

08 71 11 00-2054 Clear Anodized Finish, Aluminum Push Plates *(08 71 11 00-2053)*

Note: Ives 8200 Series.

08 71 11 00-2055	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	53.52	8.82
08 71 11 00-2056	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	53.52	8.82
08 71 11 00-2057	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	53.52	8.82
08 71 11 00-2058	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	58.13	8.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2059		**Stainless Steel Push Plates** *(08 71 11 00-2052)*		
08 71 11 00-2060		**Satin Finish, Stainless Steel Push Plates** *(08 71 11 00-2059)* Note: Ives 8200 Series.		
08 71 11 00-2061	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	53.52	8.82
08 71 11 00-2062	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	57.07	8.82
08 71 11 00-2063	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	65.17	8.82
08 71 11 00-2064	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	77.15	8.82
08 71 11 00-2065		**Brass Push Plates** *(08 71 11 00-2052)*		
08 71 11 00-2066		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 11 00-2065)* Note: Ives 8200 Series.		
08 71 11 00-2067	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	64.35	8.82
08 71 11 00-2068	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	73.45	8.82
08 71 11 00-2069	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	95.38	8.82
08 71 11 00-2070	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	109.79	8.82
08 71 11 00-2071		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 11 00-2065)* Note: Ives 8200 Series.		
08 71 11 00-2072	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	71.63	8.82
08 71 11 00-2073	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	79.03	8.82
08 71 11 00-2074	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	99.11	8.82
08 71 11 00-2075	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	118.92	8.82
08 71 11 00-2076		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2065)* Note: Ives 8200 Series.		
08 71 11 00-2077	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	71.63	8.82
08 71 11 00-2078	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	79.03	8.82
08 71 11 00-2079	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	102.66	8.82
08 71 11 00-2080	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	120.89	8.82
08 71 11 00-2081		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2065)* Note: Ives 8200 Series.		
08 71 11 00-2082	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	71.63	8.82
08 71 11 00-2083	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	80.88	8.82
08 71 11 00-2084	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	108.27	8.82
08 71 11 00-2085	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	126.50	8.82
08 71 11 00-2086		**Exit Devices** *(08 71 11)*		
08 71 11 00-2087		**Push Bar Exit Device, Von Duprin Series 22** *(08 71 11 00-2086)* Note: Grade 1, BHMA 156.3.		
08 71 11 00-2088	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22) Note: Anodized finish: aluminum or dark brown.	875.04	158.80
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2089	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F) Note: Anodized finish: aluminum or dark brown.	964.39	158.80
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2090	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227) Note: Anodized finish: aluminum or dark brown.	1,248.97	190.56
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2091	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F) Note: Anodized finish: aluminum or dark brown.	1,471.52	176.44
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2092	EA	Dummy Trim (Von Duprin Series 22, 210DT) Note: Anodized finish: aluminum or dark brown.	121.07	26.47
08 71 11 00-2093	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) Note: Anodized finish: aluminum or dark brown.	250.75	35.29
08 71 11 00-2094	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K) Note: Anodized finish: aluminum or dark brown.	462.05	52.93
08 71 11 00-2095	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L) Note: Anodized finish: aluminum or dark brown.	457.94	52.93
08 71 11 00-2096	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) Note: Anodized finish: aluminum or dark brown.	456.90	52.93
08 71 11 00-2097	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) Note: Anodized finish: aluminum or dark brown.	368.85	52.93
08 71 11 00-2098	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO) Note: Anodized finish: aluminum or dark brown.	149.19	21.17
08 71 11 00-2099	EA	Dummy Trim (Von Duprin Series 22, 230DT) Note: Anodized finish: aluminum or dark brown.	173.61	26.47
08 71 11 00-2100	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) Note: Anodized finish: aluminum or dark brown.	305.35	35.29
08 71 11 00-2101	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) Note: Anodized finish: aluminum or dark brown.	364.74	52.93
08 71 11 00-2102	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) Note: Anodized finish: aluminum or dark brown.	363.70	52.93
08 71 11 00-2103		**Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35** *(08 71 11 00-2086)* Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2104	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,820.02	158.80
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*139.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*143.01*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*53.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*407.79*	
08 71 11 00-2105	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,472.08	190.56
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*196.39*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*201.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*189.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*74.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*573.46*	
08 71 11 00-2106	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F)	2,519.67	190.56
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*201.15*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*205.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*76.44*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*587.36*	
08 71 11 00-2107	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547)	2,567.26	218.79
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*198.15*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*202.90*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*191.21*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*75.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*578.59*	
08 71 11 00-2108	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F)	2,690.00	218.79
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*210.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*215.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*203.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*79.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*614.43*	
08 71 11 00-2109	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548)	2,861.59	218.79
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*227.58*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*233.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*219.61*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*86.48*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*664.53*	
08 71 11 00-2110	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F)	2,984.33	218.79
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*239.85*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*245.61*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*231.46*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*91.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*700.37*	
08 71 11 00-2111	EA	Dummy Trim (Von Duprin Series 33/35, DT)	406.24	26.47
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*32.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*98.01*	
08 71 11 00-2112	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)	460.24	35.29
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.88*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*105.54*	
08 71 11 00-2113	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL)	738.87	35.29
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*24.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*186.90*	
08 71 11 00-2114	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)	758.10	52.93
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*23.44*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*180.15*	
08 71 11 00-2115	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)	895.67	52.93
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*72.81*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*220.32*	
08 71 11 00-2116	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)	878.32	52.93
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*215.25*	
08 71 11 00-2117	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	886.43	52.93
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*217.62*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2118			Push Bar Exit Device, Von Duprin Series 98/99 *(08 71 11 00-2086)*		
			Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2119		EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)	1,677.50	158.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	*13.00*	
			For Accessible Device (AX), Add	*125.40*	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.50*	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*121.64*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*194.37*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*397.53*	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.40*	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*184.34*	
			For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
			For Special Center Case Dogging (SD), Add	*272.84*	
			For Cylinder Dogging Indicator (CI), Add	*181.61*	
			For Dogging Indicator (DI), Add	*166.84*	
			For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
			For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2120		EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)	1,896.86	158.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	*13.00*	
			For Accessible Device (AX), Add	*147.34*	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*89.88*	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*142.92*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*228.38*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*467.06*	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*147.34*	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*216.59*	
			For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
			For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2121		EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,515.61	158.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	*13.00*	
			For Accessible Device (AX), Add	*109.21*	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*66.62*	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*105.94*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*169.28*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*346.21*	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.21*	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*160.54*	
			For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
			For Special Center Case Dogging (SD), Add	*272.84*	
			For Cylinder Dogging Indicator (CI), Add	*181.61*	
			For Dogging Indicator (DI), Add	*166.84*	
			For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
			For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2122		EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,682.52	158.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	*13.00*	
			For Accessible Device (AX), Add	*125.91*	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.80*	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*122.13*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*195.15*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*399.12*	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.91*	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*185.08*	
			For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
			For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2123		EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)	2,380.62	190.56
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	*13.00*	
			For Accessible Device (AX), Add	*187.25*	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*114.22*	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*181.63*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*290.23*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*593.57*	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*187.25*	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*275.25*	
			For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
			For Special Center Case Dogging (SD), Add	*272.84*	
			For Cylinder Dogging Indicator (CI), Add	*181.61*	
			For Dogging Indicator (DI), Add	*166.84*	
			For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
			For Safety Glow Touchpad, Add	*304.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2124	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,677.94	190.56
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*216.98*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.36*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*336.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*687.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*216.98*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*318.96*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2125	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,507.15	218.79
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*192.14*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*178.69*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*186.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*297.81*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*609.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*192.14*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*282.44*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2126	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,811.08	218.79
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*222.53*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*206.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*215.85*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*344.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*705.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*222.53*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*327.12*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2127	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,817.68	218.79
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*223.19*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*207.56*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*216.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*345.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*707.51*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*223.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*328.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2128	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,562.99	218.79
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*197.72*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*183.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*191.79*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*306.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*626.77*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.72*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*290.65*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2129	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,255.95	218.79
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*167.02*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*155.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*162.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*258.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*529.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*167.02*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*245.51*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2130	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,522.81	218.79
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*193.70*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*180.14*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*187.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*300.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*614.03*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.70*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*284.74*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2131	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	2,419.41	190.56
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*191.13*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*116.59*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*185.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*296.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*605.87*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*191.13*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*280.95*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2132	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,572.93	190.56
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*206.48*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*125.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*200.28*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*320.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*654.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*206.48*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*303.52*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2133	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,362.15	197.61
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*183.28*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*67.81*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*581.00*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.28*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2134	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	2,585.46	197.61
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*205.61*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.08*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*199.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*318.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*651.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*205.61*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*302.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2135	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	2,157.04	218.79
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*157.12*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*146.13*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*152.41*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*243.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*498.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*157.12*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*230.97*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2136	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	2,330.13	218.79
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*174.43*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*162.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.20*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*270.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*552.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*174.43*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*256.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2137	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,336.31	218.79
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*175.05*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*162.80*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*271.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*554.91*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.05*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*257.32*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2138	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,645.41	218.79
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*205.96*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*191.54*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*199.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*319.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*652.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*205.96*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*302.76*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2139	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,669.42	183.50
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*317.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*492.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,006.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*317.54*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.12*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*132.73*	
		For Center Case Dogging (CD-CX), Add	*294.56*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2140	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,888.78	183.50
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*339.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*526.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,076.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*339.47*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*126.28*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*141.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2141	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	4,368.18	225.85
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*375.42*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*581.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,190.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*375.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*139.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.92*	
		For Center Case Dogging (CD-CX), Add	*294.56*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2142	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	4,591.51	225.85
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*397.75*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*616.51*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,260.86*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*397.75*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*147.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*166.26*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2143	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,374.44	183.50
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*188.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*291.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*596.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*188.04*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*69.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*107.93*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2144	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,593.80	183.50
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*209.98*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*325.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*665.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.98*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*78.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*120.53*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2145	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,073.20	225.85
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*245.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*381.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*779.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*245.92*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*91.48*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*141.16*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
08 71 11 00-2146	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,296.51	225.85
		For 4' Push Bar, Add	*13.00*	
		For Accessible Device (AX), Add	*268.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*415.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*850.35*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*268.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*99.79*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*153.97*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2147	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO)	196.88	21.17
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.21*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*23.87*	
08 71 11 00-2148	EA	Dummy Trim (Von Duprin Series 98/99, 990DT)	289.00	26.47
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.55*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.13*	
08 71 11 00-2149	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL)	426.04	35.29
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.82*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*55.63*	
08 71 11 00-2150	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	332.83	35.29
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.02*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.53*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*39.78*	
08 71 11 00-2151	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L)	739.18	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*26.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*101.67*	
08 71 11 00-2152	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)	645.97	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*15.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.82*	
08 71 11 00-2153	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)	645.97	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*15.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.82*	
08 71 11 00-2154	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)	627.74	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*82.72*	
08 71 11 00-2155	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	534.53	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.87*	
08 71 11 00-2156	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)	534.53	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.87*	
08 71 11 00-2157	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)	609.92	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*79.69*	
08 71 11 00-2158	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	516.71	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.85*	
08 71 11 00-2159	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	516.71	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.85*	
08 71 11 00-2160	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	599.88	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*77.98*	
08 71 11 00-2161	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	506.68	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.14*	
08 71 11 00-2162	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	506.68	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.14*	
08 71 11 00-2163	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	545.27	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*12.12*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*68.70*	
08 71 11 00-2164	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	452.07	52.93
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2165	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	452.07	52.93
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.86*	
08 71 11 00-2166	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL) Note: Satin chrome plated US26D (BHMA 626) finish.	451.06	52.93
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.68*	

08 71 11 00-2167 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2086)*

08 71 11 00-2168	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	1,038.54	52.93
08 71 11 00-2169	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	889.20	52.93
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Panic Device Control Board, Add	*71.80*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2170	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	684.36	52.93
08 71 11 00-2171	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	435.54	52.93
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2172	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	696.05	52.93
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2173	EA	Request to Exit Push Pad Monitor Switch (RX)	249.31	35.29
08 71 11 00-2174	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin) Note: For Von Duprin Series 33A/35A/98/99 Exit Device	1,130.60	

08 71 11 00-2175 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2086)*

08 71 11 00-2176	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices.	615.10	35.29
		For Owner Furnished Material, Deduct	*-473.95*	
08 71 11 00-2177	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices.	652.19	35.29
		For Owner Furnished Material, Deduct	*-511.04*	
08 71 11 00-2178	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	1,052.27	35.29
		For Owner Furnished Material, Deduct	*-911.12*	
08 71 11 00-2179	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	1,038.98	42.35
		For Owner Furnished Material, Deduct	*-869.59*	
08 71 11 00-2180	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	1,076.07	42.35
		For Owner Furnished Material, Deduct	*-906.68*	
08 71 11 00-2181	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	1,157.47	42.35
		For Owner Furnished Material, Deduct	*-988.08*	
08 71 11 00-2182	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	1,082.00	35.29
		For Owner Furnished Material, Deduct	*-940.85*	
08 71 11 00-2183	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	1,130.89	35.29
		For Owner Furnished Material, Deduct	*-989.74*	
08 71 11 00-2184	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	1,230.00	35.29
		For Owner Furnished Material, Deduct	*-1,088.85*	
08 71 11 00-2185	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	1,669.20	42.35
		For Owner Furnished Material, Deduct	*-1,499.81*	
08 71 11 00-2186	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	1,718.09	42.35
		For Owner Furnished Material, Deduct	*-1,548.70*	
08 71 11 00-2187	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	3,254.51	42.35
		For Owner Furnished Material, Deduct	*-3,085.12*	
08 71 11 00-2188	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	133.73	28.23
		For Owner Furnished Material, Deduct	*-77.27*	

08 71 11 00-2189 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 *(08 71 11 00-2086)*

Note: Grade 1, BHMA 156.3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2190	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile	2,391.39	158.80
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*247.96*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*285.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*375.87*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*409.33*	
08 71 11 00-2191	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	3,086.40	218.79
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*315.08*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*362.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*477.61*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*520.12*	
08 71 11 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	3,365.61	218.79
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*350.26*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*403.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*530.94*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*578.20*	
08 71 11 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	3,155.43	218.79
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*323.77*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*372.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*490.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*534.48*	
08 71 11 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	3,426.40	218.79
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*357.92*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*411.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*542.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*590.84*	
08 71 11 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	2,406.57	197.61
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*236.53*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*272.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*358.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.47*	
08 71 11 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	2,588.94	197.61
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*259.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*298.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*393.39*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*428.40*	
08 71 11 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	409.56	26.47
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.71*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*64.75*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*70.51*	
08 71 11 00-2198	EA	Cylinder Assembly, Von Duprin Series 55	194.63	37.41
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*12.07*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*13.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*18.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*19.93*	
08 71 11 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	680.39	37.41
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.28*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*84.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*111.08*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*120.97*	
08 71 11 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	735.09	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*86.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*113.44*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*123.54*	
08 71 11 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	608.91	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*58.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*67.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*89.34*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*97.29*	
08 71 11 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	735.09	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*86.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*113.44*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*123.54*	
08 71 11 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	844.31	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*88.60*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*101.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*134.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*146.26*	

08 71 11 00-2204 Cross Bar Exit Device, Von Duprin Series 88 *(08 71 11 00-2086)*
Note: Grade 1, BHMA 156.3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2205	EA	42" Crossbar, Rim Type, Exit Device	1,539.31	158.80
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.59*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*304.62*	
08 71 11 00-2206	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,785.56	158.80
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*43.59*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*371.85*	
08 71 11 00-2207	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,985.65	190.56
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*45.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*47.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*403.35*	
08 71 11 00-2208	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,518.31	190.56
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*62.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*64.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*548.77*	
08 71 11 00-2209	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,929.24	218.79
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*41.65*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.99*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*366.76*	
08 71 11 00-2210	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,413.60	218.79
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*56.66*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*58.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*498.99*	
08 71 11 00-2211	EA	42" Crossbar, Mortise Lock, Exit Device	2,054.20	197.61
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*47.27*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*48.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*416.29*	
08 71 11 00-2212	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	2,179.91	197.61
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*51.17*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*52.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*450.61*	
08 71 11 00-2213	EA	Dummy Trim (Von Duprin Series 88, DT)	233.38	26.47
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.05*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*44.44*	
08 71 11 00-2214	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	364.07	35.29
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*72.42*	
08 71 11 00-2215	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	641.89	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*15.52*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*16.02*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*136.70*	
08 71 11 00-2216	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	600.67	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.70*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*125.45*	
08 71 11 00-2217	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	453.81	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*85.36*	
08 71 11 00-2218	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	453.81	52.93
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*85.36*	

08 71 11 00-2219 Push Bar Exit Device (PDQ 6200 Series) *(08 71 11 00-2086)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2220	EA	3' Push Bar Exit Device, Rim Type (PDQ 6200R)	956.69	158.80
		Note: Satin stainless steel US 32D (630 BHMA) finish.		
08 71 11 00-2221	EA	Grip Pull Passage Trim With Thumb Piece (PDQ 6 GW 15)	394.31	52.93
		Note: Satin stainless steel US 32D (630 BHMA) finish.		

08 71 11 00-2222 Door Closers *(08 71 11)*

Note: Includes standard cover and arm.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2223	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	543.95	40.93
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2224	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	656.98	40.93
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2225	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	674.95	40.93
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2226	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	697.44	40.93
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2227	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	459.30	40.93
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2228	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	463.08	40.93
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2229	EA	Open In, Stainless Steel Door Closer (Tycoon EK-1) Note: Stainless steel linkage arm stainless steel ball bearing. Made to install on a LCN 411 Door Closer Cylinder.	1,935.03	28.23
		For >24, Deduct	*-73.55*	
08 71 11 00-2230	EA	Open Out, Stainless Steel Door Closer (Tycoon EK-1) Note: Stainless steel linkage arm stainless steel ball bearing. Made to install on a LCN 411 Door Closer Cylinder.	2,087.24	28.23
		For >24, Deduct	*-79.79*	
08 71 11 00-2231	EA	Removal And Replacement Of Stainless Steel Arm For Tycoon EK-1	1,293.58	
08 71 11 00-2232	EA	Removal And Replacement Of Stainless Steel Bearing For Tycoon EK-1	195.51	
08 71 11 00-2233	EA	Removal And Replacement Of Stainless Steel Cover (Box) For Tycoon EK-1	641.26	
08 71 11 00-2234	EA	Surface Mounted, Streamline Cover, Heavy-Duty Door Closer (PDQ 5301 BC PA) Note: Aluminum US 28 (689 BHMA) finish.	371.48	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*6.92*	
08 71 11 00-2235	EA	Surface Mounted, Streamline Cover, Heavy-Duty Door Closer, Positive Stop And Hold (PDQ 5301 BC PA HO) Note: Aluminum US 28 (689 BHMA) finish.	441.74	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*3.44*	
08 71 11 00-2236	EA	Surface Mounted, Streamline Cover, Heavy-Duty Door Closer, Positive Stop (PDQ 5301 BC DS) Note: Aluminum US 28 (689 BHMA) finish.	461.91	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*3.43*	
08 71 11 00-2237	EA	Surface Mounted, Streamline Cover, Heavy-Duty Door Closer, Hold Open (PDQ 5301 BC DSHO) Note: Aluminum US 28 (689 BHMA) finish.	469.37	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*3.44*	
08 71 11 00-2238	EA	Surface Mounted, Full Cover, Heavy-Duty Door Closer (PDQ 5501 BC PA) Note: Aluminum US 28 (689 BHMA) finish.	372.64	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*3.44*	
08 71 11 00-2239	EA	Surface Mounted, Full Cover, Heavy-Duty Door Closer, Positive Stop And Hold (PDQ 5501 BC PA HO) Note: Aluminum US 28 (689 BHMA) finish.	442.90	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*3.43*	
08 71 11 00-2240	EA	Surface Mounted, Full Cover, Heavy-Duty Door Closer, Positive Stop (PDQ 5501 BC DS) Note: Aluminum US 28 (689 BHMA) finish.	463.05	40.93
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	
		For Delayed Action, Add	*6.92*	
08 71 11 00-2241	EA	Surface Mounted, Full Cover, Heavy-Duty Door Closer, Hold Open (PDQ 5501 BC DSHO) Note: Aluminum US 28 (689 BHMA) finish.	470.53	40.93
		For Delayed Action, Add	*3.44*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*74.00*	

08 71 11 00-2242 Concealed Door Closers *(08 71 11)*

08 71 11 00-2243	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,538.29	121.39
08 71 11 00-2244	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,644.22	121.39
08 71 11 00-2245	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	776.26	49.40
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2246	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	838.23	49.40
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2247 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2248 Locksmith Services *(08 71 11 00-2247)*

08 71 11 00-2249	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.18	
		For >50, Deduct	*-0.44*	
08 71 11 00-2250	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	169.46	
		For >5, Deduct	*-16.95*	
08 71 11 00-2251	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	169.46	
		For >5, Deduct	*-16.95*	
08 71 11 00-2252	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	192.65	
		For >5, Deduct	*-16.95*	
08 71 11 00-2253	EA	Open Locked Doors	169.46	
08 71 11 00-2254	EA	Install Owner Furnished Cores And Cylinders	70.93	

08 71 11 00-2255 Mortise Locksets And Latchsets *(08 71 11 00-2247)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2256	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	890.13	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*24.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*22.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*37.45*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*264.39*	
08 71 11 00-2257	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	1,056.55	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.21*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.77*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*323.14*	
08 71 11 00-2258	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,174.26	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.09*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.99*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.66*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*364.69*	
08 71 11 00-2259	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	1,096.94	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*31.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*28.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*47.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*337.39*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*81.32*	
08 71 11 00-2260	EA	Storeroom/Closet F07 Mortise Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	1,096.94	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*31.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*28.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*47.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*337.39*	
08 71 11 00-2261	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,223.55	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*54.12*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*382.09*	
08 71 11 00-2262	EA	Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,055.39	35.29
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.17*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.43*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.71*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*322.73*	

08 71 11 00-2263 Locks And Latches *(08 71 11 00-2247)*

08 71 11 00-2264 Preassembled Locks And Latches *(08 71 11 00-2263)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2265	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) Note: Both sides always unlocked.	1,983.70	35.29
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*56.34*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*93.89*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*662.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*349.28*	
		For Grade 2, Deduct	*-730.48*	
08 71 11 00-2266	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220) Note: Locked with push button inside.	2,147.87	35.29
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*61.26*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*102.10*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*720.83*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*379.81*	
		For Grade 2, Deduct	*-794.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2267	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,442.24	35.29
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2268	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,442.24	35.29
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2269	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,442.24	35.29
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2270		**Bored Locks And Latches** *(08 71 11 00-2263)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2271	EA	Passage/Closet F75 Bored Latchset	328.56	35.29
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.62*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*9.37*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*66.16*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*34.86*	
		For Grade 2, Deduct	*-9.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.75*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2272	EA	Bath/Bedroom Privacy F76 Bored Lockset	373.25	35.29
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*6.96*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*11.61*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*81.93*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*43.17*	
		For Grade 2, Deduct	*-11.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2273	EA	Entrance/Office F82 Bored Lockset	409.29	35.29
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2274	EA	Classroom F84 Bored Lockset	409.29	35.29
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2275	EA	Storeroom/Closet F86 Bored Lockset	409.29	35.29
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2276	EA	Corridor/Dormitory F90 Bored Lockset	409.29	35.29
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2277		**Other Locks** *(08 71 11 00-2247)*		
		Note: BHMA A156.5.		
08 71 11 00-2278	PR	Screen Door - Hinges	39.29	12.20
08 71 11 00-2279	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,146.74	183.50
08 71 11 00-2280	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,587.46	367.01
08 71 11 00-2281		**Pushbutton Combination Locks** *(08 71 11 00-2247)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2282			**Mechanical Pushbutton Combination Locks** *(08 71 11 00-2281)* Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2283			**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)** *(08 71 11 00-2282)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2284		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	915.37	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2285		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	981.34	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2286		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	1,007.72	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2287		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	1,073.69	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2288		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	1,027.51	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2289		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	1,093.48	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2290		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	1,119.87	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2291		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,185.84	88.66
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*49.35*	
			For Fire Rated, Add	*67.52*	
08 71 11 00-2292			**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)** *(08 71 11 00-2282)* Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2293		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,011.68	88.66
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*49.35*	
08 71 11 00-2294		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,064.46	88.66
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*49.35*	
08 71 11 00-2295		EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,170.00	88.66
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*49.35*	
08 71 11 00-2296		EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,209.59	88.66
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*49.35*	
08 71 11 00-2297		EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,209.59	88.66
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*49.35*	
08 71 11 00-2298		EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,143.62	88.66
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*49.35*	
08 71 11 00-2299			**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)** *(08 71 11 00-2282)* Note: Satin chrome or antique brass finish.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2300	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,218.82	88.66
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2301	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,258.40	88.66
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	

08 71 11 00-2302 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 11 00-2282)

Note: Satin stainless, bright brass or antique brass finish.

08 71 11 00-2303	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	536.71	88.66
		For Schlage Core, Add	*49.35*	
08 71 11 00-2304	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	710.87	88.66
		For Schlage Core, Add	*49.35*	

08 71 11 00-2305 Electrical Pushbutton Combination Locks *(08 71 11 00-2281)*

Note: Privacy option limits access to privileged users (master codes).

08 71 11 00-2306 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 11 00-2307	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	948.35	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2308	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,106.68	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2309	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,146.26	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2310	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,080.29	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2311	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,014.32	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2312	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,146.26	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2313	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,172.64	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2314	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,212.22	88.66
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2315	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,146.26	88.66
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2316 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2317	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,212.22	88.66
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2318	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,212.22	88.66
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2319 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2320	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,416.72	88.66
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2321	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,416.72	88.66
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2322 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2323	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,522.27	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2324	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,654.21	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2325	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,680.60	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2326	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,720.18	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2327	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,654.21	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2328 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2329	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,148.97	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2330	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,280.91	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2331	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,307.29	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2332	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,346.87	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2333	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,280.91	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.20*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2334 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2335	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	3,046.13	88.66
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	

08 71 11 00-2336 Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 11 00-2305)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2337	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,918.08	88.66
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2338		**Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)** *(08 71 11 00-2305)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2339	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,179.24	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-824.60*	
08 71 11 00-2340	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,337.56	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-982.92*	
08 71 11 00-2341	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,377.14	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2342	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,311.18	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-956.54*	
08 71 11 00-2343	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,245.21	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-890.57*	
08 71 11 00-2344	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,377.14	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2345	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,403.53	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,048.89*	
08 71 11 00-2346	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,443.11	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,088.47*	
08 71 11 00-2347	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,377.14	88.66
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2348		**Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)** *(08 71 11 00-2305)*		
08 71 11 00-2349	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	943.39	
08 71 11 00-2350	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,207.26	
08 71 11 00-2351	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,603.07	
08 71 11 00-2352	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	478.29	
08 71 11 00-2353	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	146.29	
		Note: Includes 4 C-cell battery pack.		
08 71 11 00-2354	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	173.99	
08 71 11 00-2355		**Electrical Pushbutton Combination Locks (Schlage)** *(08 71 11 00-2305)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2356	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,111.95	88.22
		For Owner Furnished Material, Deduct	*-759.06*	
08 71 11 00-2357	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,282.35	88.22
		For Owner Furnished Material, Deduct	*-929.46*	
08 71 11 00-2358	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,442.79	88.22
		For Owner Furnished Material, Deduct	*-1,089.90*	
08 71 11 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,874.33	88.22
		For Owner Furnished Material, Deduct	*-1,521.44*	
08 71 11 00-2360	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	2,045.83	88.22
		For Owner Furnished Material, Deduct	*-1,692.94*	
08 71 11 00-2361	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,247.22	88.22
		For Owner Furnished Material, Deduct	*-1,894.33*	
08 71 11 00-2362	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,067.97	88.22
		For Owner Furnished Material, Deduct	*-1,715.08*	
08 71 11 00-2363		**Residential Locks And Latchsets** *(08 71 11 00-2247)*		
08 71 11 00-2364	EA	Residential Entry Lockset With Knobs (Master Keyed)	101.75	21.27
08 71 11 00-2365	EA	Residential Privacy Lockset With Knobs	99.88	21.27
08 71 11 00-2366	EA	Residential Passage Lockset With Knobs	99.63	21.27
08 71 11 00-2367	EA	Residential Dummy Lockset With Knobs	79.53	17.73
08 71 11 00-2368	EA	Residential Entry Lockset With Levers (Master Keyed)	114.67	21.27
08 71 11 00-2369	EA	Residential Privacy Lockset With Levers	110.38	21.27
08 71 11 00-2370	EA	Residential Passage Lockset With Levers	107.27	21.27
08 71 11 00-2371	EA	Residential Dummy Lockset With Levers	81.01	17.73
08 71 11 00-2372	EA	Screen Door - Closer	63.01	15.32
08 71 11 00-2373	EA	Screen Door - Locking Handle	70.55	21.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2374		**Deadbolts** *(08 71 11 00-2247)*		
08 71 11 00-2375		**Cylindrical Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2374)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2376	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	231.29	35.29
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2377	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	262.63	35.29
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2378		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 11 00-2374)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2379	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	209.82	35.29
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2380	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	244.06	35.29
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2381		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2374)* Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2382	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	298.98	35.29
08 71 11 00-2383	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	327.99	35.29
08 71 11 00-2384	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	293.18	35.29
08 71 11 00-2385		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2374)* Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2386	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	377.90	35.29
08 71 11 00-2387	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	425.48	35.29
08 71 11 00-2388	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	337.28	35.29
08 71 11 00-2389		**Surface Mounted Deadbolts** *(08 71 11 00-2374)*		
08 71 11 00-2390	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	163.07	35.29
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2391	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	184.04	35.29
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2392	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	200.71	35.29
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2393	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	221.68	35.29
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2394		**Surface Mounted Deadlatches** *(08 71 11 00-2247)*		
08 71 11 00-2395	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	164.72	35.29
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2396	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	200.79	35.29
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2397		**Electric Strikes** *(08 71 11 00-2247)*		
08 71 11 00-2398	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	410.60	70.58
08 71 11 00-2399	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	1,172.06	70.58
08 71 11 00-2400	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	1,120.53	70.58
08 71 11 00-2401	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	867.36	70.58
08 71 11 00-2402	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	1,177.55	70.58
08 71 11 00-2403	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	1,155.19	70.58
08 71 11 00-2404	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	1,258.34	70.58
08 71 11 00-2405	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	1,172.99	70.58
08 71 11 00-2406	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	587.79	70.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2407	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	722.73	70.58
08 71 11 00-2408	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	363.18	70.58
08 71 11 00-2409	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	363.18	70.58
08 71 11 00-2410	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	460.84	70.58
08 71 11 00-2411	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	806.24	70.58
08 71 11 00-2412	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	408.41	70.58
08 71 11 00-2413	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	742.45	70.58
08 71 11 00-2414	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body,Fire Rated Concealed Electric Strike (HES 8500)	658.24	70.58
08 71 11 00-2415	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	784.20	93.16
08 71 11 00-2416	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	889.21	93.16
08 71 11 00-2417	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	784.76	93.16

08 71 11 00-2418 Electric Hardware *(08 71 11 00-2247)*

08 71 11 00-2419	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	221.65	
08 71 11 00-2420	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	256.75	
08 71 11 00-2421	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	136.90	35.29
08 71 11 00-2422	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	426.32	35.29
08 71 11 00-2423	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	738.58	35.29
08 71 11 00-2424	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,130.20	35.29
08 71 11 00-2425	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,248.65	35.29
08 71 11 00-2426	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,490.72	35.29
08 71 11 00-2427	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,807.55	35.29

08 71 11 00-2428 Magnetic Locks *(08 71 11 00-2247)*

08 71 11 00-2429	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	917.81	169.38
08 71 11 00-2430	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	1,101.31	190.56
08 71 11 00-2431	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	1,073.70	169.38
08 71 11 00-2432	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,256.87	190.56
08 71 11 00-2433	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,123.69	183.50
08 71 11 00-2434	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,230.60	183.50
08 71 11 00-2435	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490)	1,313.82	183.50
08 71 11 00-2436	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,443.26	211.73
08 71 11 00-2437	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,585.38	211.73
08 71 11 00-2438	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,649.40	211.73
08 71 11 00-2439	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	494.04	70.58
08 71 11 00-2440	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	813.33	70.58
08 71 11 00-2441	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	979.27	70.58

08 71 11 00-2442 Occupancy Indicator Locks *(08 71 11 00-2247)*

08 71 11 00-2443	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571) Note: Standard finish is satin chrome	166.15	35.27
		For Bright Brass Finish, Add	*5.28*	
		For Oil Rubbed Bronze Finish, Add	*14.12*	
		For Aged Bronze Finish, Add	*5.28*	
		For Satin Nickel Finish, Add	*5.28*	
08 71 11 00-2444	EA	Occupancy Indicator Lock And Lever (Vizilok C3F) Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides	240.68	35.27
		For Oil Rubbed Bronze Finish, Add	*5.73*	

08 71 11 00-2445 Door Coordinators *(08 71 11)*

08 71 11 00-2446	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	522.02	44.11
		For Anodized Aluminum Finish, Deduct	*-138.23*	
08 71 11 00-2447	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	547.96	45.87
		For Anodized Aluminum Finish, Deduct	*-145.78*	
08 71 11 00-2448	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	561.39	47.64
		For Anodized Aluminum Finish, Deduct	*-148.33*	
08 71 11 00-2449	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	585.63	49.40
		For Anodized Aluminum Finish, Deduct	*-155.21*	
08 71 11 00-2450	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	626.81	51.17
		For Anodized Aluminum Finish, Deduct	*-168.86*	
08 71 11 00-2451	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	125.09	14.12
		For Anodized Aluminum Finish, Deduct	*-27.45*	
08 71 11 00-2452	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	137.96	15.88
		For Anodized Aluminum Finish, Deduct	*-29.78*	
08 71 11 00-2453	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	158.17	17.64
		For Anodized Aluminum Finish, Deduct	*-35.04*	
08 71 11 00-2454	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	119.37	17.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2455	EA	7" Projection COR Series Gravity Type Door Coordinator	176.64	26.47
		For Anodized Aluminum Finish, Deduct	*-28.31*	
08 71 11 00-2456	EA	9" Projection COR Series Gravity Type Door Coordinator	187.96	26.47
		For Anodized Aluminum Finish, Deduct	*-32.84*	

08 71 11 00-2457 Removal And Reinstallation Of Door Hardware *(08 71 11)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2458	EA	Removal And Reinstallation Of Door Lockset, Entrance	105.86	
08 71 11 00-2459	EA	Removal And Reinstallation Of Door Lockset, Mortise	169.38	
08 71 11 00-2460	EA	Removal And Reinstallation Of Deadbolt Lock	112.92	
08 71 11 00-2461	PR	Removal And Reinstallation Of Butts/Hinges	28.23	
08 71 11 00-2462	EA	Removal And Reinstallation Of Door Bumper	9.88	
08 71 11 00-2463	EA	Removal And Reinstallation Of Surface Mounted Panic Device	282.31	
08 71 11 00-2464	EA	Removal And Reinstallation Of Kick Plate	35.29	
08 71 11 00-2465	EA	Removal And Reinstallation Of Push Plate	28.23	
08 71 11 00-2466	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	141.15	
08 71 11 00-2467	EA	Removal And Reinstallation Of Door Handles	21.18	

08 71 11 00-2468 Electromagnetic Door Release *(08 71 11)*

08 71 11 00-2469	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	678.78	88.93
08 71 11 00-2470	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	663.10	88.93
08 71 11 00-2471	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	742.16	88.93
08 71 11 00-2472	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,208.84	88.93
08 71 11 00-2473	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,167.23	88.93
08 71 11 00-2474	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,167.23	88.93
08 71 11 00-2475	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,065.45	88.93
08 71 11 00-2476	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,322.79	88.93
08 71 11 00-2477	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,265.78	88.93
08 71 11 00-2478	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,555.49	88.93

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131)	3,732.28	176.44
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142)	3,732.28	176.44
08 71 13 00-0004	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153)	7,322.21	282.31
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,673.57	176.44
08 71 13 00-0006	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,673.57	176.44
08 71 13 00-0007	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553)	8,030.85	282.31
08 71 13 00-0008	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563)	9,448.13	282.31
08 71 13 00-0009	EA	Door Position Switch (LCN 8310-805)	79.27	
08 71 13 00-0010	EA	3-Position Key Switch (LCN 8310-806K)	424.31	
08 71 13 00-0011	EA	4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813)	1,013.92	
08 71 13 00-0012	EA	1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818)	229.64	
08 71 13 00-0013	EA	36" High Full Length Actuator (LCN 8310-836T)	929.56	
08 71 13 00-0014	EA	6" Round Wall Mount Actuator (LCN 8310-852)	315.10	
08 71 13 00-0015	EA	42" x 4" x 6" Post Bollard (LCN 8310-866)	1,116.77	
08 71 13 00-0016	EA	Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX)	124.91	
08 71 13 00-0017	EA	Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607)	156.44	

08 71 13 00-0018 Automatic Door Operators (Stanley) *(08 71 13)*

08 71 13 00-0019	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,507.39	176.44
08 71 13 00-0020	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	290.49	
08 71 13 00-0021	EA	Power Supply (Stanley Precision ELR151)	1,015.73	
08 71 13 00-0022	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,262.43	141.15
08 71 13 00-0023	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	543.66	94.15
08 71 13 00-0024	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	370.88	53.37
08 71 13 00-0025	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	241.55	53.37
08 71 13 00-0026	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	366.45	53.37
08 71 13 00-0027	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,198.08	80.14

08 71 13 00-0028 Miscellaneous Devices *(08 71 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0029	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	639.70	52.93
08 71 13 00-0030	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	191.18	31.76
08 71 13 00-0031	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	242.24	31.76
08 71 13 00-0032	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	136.96	31.76

08 71 53 Security Door Hardware *(08 71)*

08 71 53 00-0001 Door Exit Alarm Hardware *(08 71 53)*

08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	411.52	52.93
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	566.00	52.93
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	477.51	52.93
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	614.13	52.93
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	715.01	70.58
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	126.93	70.58

08 72 Weatherstripping, Thresholds and Seals *(08 70)*

08 72 33 Weatherstripping and Seals *(08 72)*

08 72 33 00-0001 Weather-Stripping And Seals *(08 72 33)*

08 72 33 00-0002 Astragals *(08 72 33 00-0001)*

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

08 72 33 00-0003 Adhesive Backed Astragals *(08 72 33 00-0002)*

08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.86	1.06
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	6.52	1.06
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	5.00	1.06

08 72 33 00-0007 Overlapping Astragals *(08 72 33 00-0002)*

08 72 33 00-0008 Aluminum, Overlapping Astragals *(08 72 33 00-0007)*

08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	23.55	6.35
		For Color Anodized Finish, Add	*3.30*	

08 72 33 00-0010 Stainless Steel, Overlapping Astragals *(08 72 33 00-0007)*

08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	47.00	6.35

08 72 33 00-0012 "T" Astragals *(08 72 33 00-0002)*

08 72 33 00-0013 Aluminum, "T" Astragals *(08 72 33 00-0012)*

08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	15.52	6.35
		For Color Anodized Finish, Add	*1.04*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	19.38	6.35
		For Color Anodized Finish, Add	*1.36*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	19.98	6.35
		For Color Anodized Finish, Add	*2.60*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	36.50	6.35
		For Color Anodized Finish, Add	*8.38*	

08 72 33 00-0018 Brass/Bronze, "T" Astragals *(08 72 33 00-0012)*

08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	56.35	6.35
		For Silicone Insert, Add	*0.63*	

08 72 33 00-0020 Locking Astragals *(08 72 33 00-0002)*

08 72 33 00-0021 Outswing Locking Astragals *(08 72 33 00-0020)*

Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.

08 72 33 00-0022 Aluminum, Outswing Locking Astragals *(08 72 33 00-0021)*

08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	48.66	6.35
		For Color Anodized Finish, Add	*7.22*	
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	56.40	6.35
		For Color Anodized Finish, Add	*8.77*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	54.52	6.35
		For Thermal Break, Add	*2.52*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	60.81	6.35
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	*2.90*	
	08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)*		
			Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
	08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		
	08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	56.87	6.35
	08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	56.59	6.35
			Note: Includes kerf-in foam seal.		
	08 72 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0027)*		
	08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	32.44	6.35
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	*0.63*	
			For Color Anodized Finish, Add	*3.98*	
	08 72 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	38.91	6.35
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	*0.63*	
			For Color Anodized Finish, Add	*5.27*	
	08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	34.89	6.35
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	*0.47*	
			For Color Anodized Finish, Add	*4.47*	
	08 72 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	41.30	6.35
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	*0.47*	
			For Color Anodized Finish, Add	*5.75*	
	08 72 33 00-0036		**Security Astragals** *(08 72 33 00-0002)*		
	08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	30.29	6.35
			For Color Anodized Finish, Add	*17.73*	
	08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	50.65	6.35
	08 72 33 00-0039		**Meeting Stile Astragals** *(08 72 33 00-0002)*		
	08 72 33 00-0040		**One Piece, Meeting Stile Astragals** *(08 72 33 00-0039)*		
			Note: Includes an astragal for one door only.		
	08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	19.16	6.35
			For Color Anodized Finish, Add	*1.98*	
	08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	29.83	9.45
			For Color Anodized Finish, Add	*4.40*	
	08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	39.40	9.45
			For Color Anodized Finish, Add	*2.06*	
	08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	40.62	9.45
			For Color Anodized Finish, Add	*5.45*	
	08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	38.59	9.45
	08 72 33 00-0046		**Two Piece, Meeting Stile Split Astragals** *(08 72 33 00-0039)*		
			Note: Includes one astragal for each door.		
	08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	23.90	9.45
			For Silicone Insert, Add	*0.95*	
			For Color Anodized Finish, Add	*5.06*	
	08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	23.90	9.45
			For Color Anodized Finish, Add	*5.06*	
	08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	23.90	9.45
			For Silicone Insert, Add	*0.95*	
			For Color Anodized Finish, Add	*5.06*	
	08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	37.31	9.45
			For Silicone Insert, Add	*0.63*	
			For Color Anodized Finish, Add	*3.69*	
	08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	30.71	9.45
			For Color Anodized Finish, Add	*4.75*	
	08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	31.59	9.45
			For Color Anodized Finish, Add	*5.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	38.19	9.45
		For Color Anodized Finish, Add	*9.68*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	39.07	9.45
		For Color Anodized Finish, Add	*8.09*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	39.95	9.45
		For Color Anodized Finish, Add	*8.44*	
08 72 33 00-0056		**Two Piece, Adjustable Meeting Stile Split Astragals** *(08 72 33 00-0039)* Note: Includes one astragal for each door.		
08 72 33 00-0057		**Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0056)*		
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	71.16	9.45
		For Color Anodized Finish, Add	*13.08*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	72.55	9.45
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*10.74*	
08 72 33 00-0060		**Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0056)*		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	167.16	9.45
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	156.78	9.45
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0063		**Door Sweeps** *(08 72 33 00-0001)*		
08 72 33 00-0064		**Tack On Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	8.60	3.53
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	8.73	3.53
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	9.12	3.53
08 72 33 00-0068		**Aluminum Retainer Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0069		**35 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	20.49	7.05
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	21.15	7.05
		For Color Anodized Finish, Add	*2.46*	
08 72 33 00-0072		**45 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	31.70	7.05
		For Color Anodized Finish, Add	*7.04*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	34.34	7.05
		For Color Anodized Finish, Add	*8.09*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	40.05	7.05
		For Color Anodized Finish, Add	*10.38*	
08 72 33 00-0076		**90 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	22.68	7.05
		For Color Anodized Finish, Add	*0.86*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	22.46	7.05
		For Color Anodized Finish, Add	*0.84*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	24.00	7.05
		For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	24.66	7.05
		For Color Anodized Finish, Add	*4.22*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	22.02	7.05
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	28.18	7.05
		For Color Anodized Finish, Add	*2.81*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	23.34	7.05
		For Color Anodized Finish, Add	*1.85*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	17.57	7.05
		For Color Anodized Finish, Add	*1.73*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	17.74	7.05
		For Color Anodized Finish, Add	*1.82*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	19.61	7.05
			For Color Anodized Finish, Add	*1.93*	
08 72 33 00-0087			180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088			180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
	08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	20.05	7.05
			For Color Anodized Finish, Add	*2.38*	
	08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	20.49	7.05
			For Color Anodized Finish, Add	*2.55*	
	08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	24.00	7.05
			For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
	08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	24.22	7.05
			For Color Anodized Finish, Add	*4.04*	
	08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	24.66	7.05
			For Color Anodized Finish, Add	*4.22*	
	08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	26.51	7.05
			For Color Anodized Finish, Add	*4.96*	
08 72 33 00-0096			Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
	08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	18.07	7.05
	08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	18.07	7.05
	08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	18.29	7.05
08 72 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0063)*		
08 72 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
	08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	17.63	7.05
			For Color Anodized Finish, Add	*2.46*	
	08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	20.49	7.05
			For Color Anodized Finish, Add	*2.55*	
	08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	22.63	7.05
			For Color Anodized Finish, Add	*1.70*	
	08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	23.01	7.05
			For Color Anodized Finish, Add	*1.78*	
08 72 33 00-0106			Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
	08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	27.30	7.05
08 72 33 00-0109			Oak Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0110			90 Degree, Oak Retainer Door Sweeps *(08 72 33 00-0109)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
	08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	22.24	7.05
	08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	25.71	7.05
08 72 33 00-0113			Door Shoes And Bottoms *(08 72 33 00-0001)*		
08 72 33 00-0114			Door Shoes *(08 72 33 00-0113)*		
08 72 33 00-0115			Aluminum Retainer Door Shoes *(08 72 33 00-0114)*		
08 72 33 00-0116			Bottom Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
	08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	19.39	7.05
			For Color Anodized Finish, Add	*2.11*	
			For Thermo-Plastic Elastomer Insert, Add	*0.68*	
	08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	20.05	7.05
			For Color Anodized Finish, Add	*2.38*	
	08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	26.42	7.05
			For Color Anodized Finish, Add	*2.46*	
08 72 33 00-0120			Side Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
	08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	22.24	7.05
			For Color Anodized Finish, Add	*3.25*	
			For Thermo-Plastic Elastomer Insert, Add	*0.68*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	20.49	7.05
		For Color Anodized Finish, Add	*3.19*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	21.80	7.05
		For Color Anodized Finish, Add	*3.08*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	22.24	7.05
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	31.18	7.05
		For Color Anodized Finish, Add	*3.41*	
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	31.62	7.05
		For Color Anodized Finish, Add	*3.50*	
08 72 33 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	20.93	7.05
		For Color Anodized Finish, Add	*3.41*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	22.24	7.05
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	22.46	7.05
		For Color Anodized Finish, Add	*3.34*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0132		Vinyl Door Shoes *(08 72 33 00-0114)*		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	25.22	7.05
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	30.23	7.05
08 72 33 00-0135		Door Bottoms *(08 72 33 00-0113)*		
08 72 33 00-0136		Automatic Door Bottoms *(08 72 33 00-0135)*		
08 72 33 00-0137		Aluminum Automatic Door Bottoms *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	43.06	7.05
		For Color Anodized Finish, Add	*5.79*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	61.19	7.05
		For Color Anodized Finish, Add	*9.42*	
08 72 33 00-0140		Door Top Protection *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	16.11	5.64
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.32*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	16.11	5.64
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.32*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	20.19	5.64
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.44*	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	73.08	
08 72 33 00-0145		Perimeter Gasketing Weather-Strip *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		Adhesive Backed Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	5.09	3.53
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	5.14	3.53
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	6.69	3.53
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.56	3.53
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	7.27	3.53
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.75	3.53
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	8.87	3.53
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	8.21	3.53
08 72 33 00-0155		Kerf-In Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	4.55	3.53
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	6.70	3.53
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	5.07	3.53
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	5.01	3.53
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	6.48	3.53
08 72 33 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*		

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08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	9.88	3.53
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	9.88	3.53
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	10.45	3.53
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	10.56	3.53
08 72 33 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*		
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	9.57	3.53
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	10.45	3.53
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	11.40	3.53
08 72 33 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	9.58	3.53
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	9.58	3.53
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	9.58	3.53
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	16.28	3.53
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.85*	
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	16.72	3.53
		For Color Anodized Finish, Add	*4.84*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	16.72	3.53
		For Color Anodized Finish, Add	*3.38*	
08 72 33 00-0179		Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0180		Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	15.95	3.53
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0182		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	17.69	3.53
08 72 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	24.05	3.53
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	39.28	3.53
08 72 33 00-0188		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	34.22	3.53
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	23.22	7.05
		For Color Anodized Finish, Add	*3.64*	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	23.98	7.05
		For Color Anodized Finish, Add	*3.95*	

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08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	28.72	3.53
		For Color Anodized Finish, Add	*4.33*	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	30.26	3.53
		For Color Anodized Finish, Add	*4.64*	
08 72 43		**Thresholds** *(08 72)*		
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	36.57	11.29
		For Color Anodized Finish, Add	*3.34*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	40.31	11.29
		For Color Anodized Finish, Add	*4.84*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	47.14	14.11
		For Color Anodized Finish, Add	*8.31*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	51.34	14.11
		For Color Anodized Finish, Add	*8.04*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	56.38	14.11
		For Color Anodized Finish, Add	*7.39*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	63.85	14.11
		For Color Anodized Finish, Add	*7.15*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	76.64	16.93
		For Color Anodized Finish, Add	*8.58*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	81.69	16.93
		For Color Anodized Finish, Add	*9.84*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	89.75	16.93
		For Color Anodized Finish, Add	*11.85*	
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	39.65	11.29
		For Color Anodized Finish, Add	*4.00*	
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	39.87	11.29
		For Color Anodized Finish, Add	*5.83*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	48.90	14.11
		For Color Anodized Finish, Add	*9.54*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	53.19	14.11
		For Color Anodized Finish, Add	*8.96*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	56.81	14.11
		For Color Anodized Finish, Add	*7.54*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	63.85	14.11
		For Color Anodized Finish, Add	*7.15*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	79.27	16.93
		For Color Anodized Finish, Add	*12.93*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	83.89	16.93
		For Color Anodized Finish, Add	*16.62*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	88.51	16.93
		For Color Anodized Finish, Add	*18.47*	
08 72 43 00-0027		Brass/Bronze Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	74.46	11.29
08 72 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	109.82	11.29
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	133.19	14.11
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	157.67	14.11
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	181.47	14.11
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	208.67	14.11
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	266.74	16.93
08 72 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	144.07	14.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	171.27	14.11
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	198.47	14.11
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	232.47	14.11
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	326.81	16.93
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	311.21	16.93
08 72 43 00-0044		Stainless Steel Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	123.67	14.11
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	130.47	14.11
08 72 43 00-0048		Half Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0049		Aluminum Half Saddle Thresholds *(08 72 43 00-0048)*		
		Note: Includes mill finish.		
08 72 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	57.33	14.11
		For Color Anodized Finish, Add	*8.82*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	73.30	14.11
		For Color Anodized Finish, Add	*3.80*	
08 72 43 00-0053		Offset Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0054		Aluminum Offset Saddle Thresholds *(08 72 43 00-0053)*		
		Note: Includes mill finish.		
08 72 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	57.47	14.11
		For Color Anodized Finish, Add	*11.10*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	63.19	14.11
		For Color Anodized Finish, Add	*9.77*	
08 72 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	57.47	14.11
		For Color Anodized Finish, Add	*11.10*	
08 72 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	65.39	14.11
		For Color Anodized Finish, Add	*10.54*	
08 72 43 00-0062		Modular Ramp Thresholds *(08 72 43 00-0001)*		
		Note: Includes mill finish.		
08 72 43 00-0063		Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	60.07	14.11
		For Non-Slip Surfacing, Add	*95.55*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	74.66	15.52
		For Non-Slip Surfacing, Add	*122.14*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	94.61	17.64
		For Non-Slip Surfacing, Add	*166.15*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	119.64	18.34
		For Non-Slip Surfacing, Add	*223.99*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	139.00	19.75
		For Non-Slip Surfacing, Add	*298.50*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	171.78	21.87
		For Non-Slip Surfacing, Add	*332.90*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	191.53	23.98
		For Non-Slip Surfacing, Add	*373.26*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	203.14	25.40
		For Non-Slip Surfacing, Add	*380.88*	
08 72 43 00-0072		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	100.69	17.64
		For Non-Slip Surfacing, Add	*176.63*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	117.82	18.34
		For Non-Slip Surfacing, Add	*219.08*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	147.08	21.16
		For Non-Slip Surfacing, Add	*272.38*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	172.50	22.57
		For Non-Slip Surfacing, Add	*331.11*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	197.81	23.98
		For Non-Slip Surfacing, Add	*389.58*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	216.15	25.40
		For Non-Slip Surfacing, Add	*429.94*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	264.15	26.81
		For Non-Slip Surfacing, Add	*547.40*	
08 72 43 00-0080		7" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	116.26	19.05
		For Non-Slip Surfacing, Add	*218.88*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	136.21	21.16
		For Non-Slip Surfacing, Add	*262.89*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	162.66	22.57
		For Non-Slip Surfacing, Add	*317.28*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	182.02	23.98
		For Non-Slip Surfacing, Add	*361.94*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	213.38	25.40
		For Non-Slip Surfacing, Add	*422.73*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	231.72	26.81
		For Non-Slip Surfacing, Add	*463.09*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	266.97	28.22
		For Non-Slip Surfacing, Add	*526.35*	

08 72 43 00-0088 Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*

08 72 43 00-0089 Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*

08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	271.60	17.64
		For Non-Slip Surfacing, Add	*28.36*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	416.34	17.64
		For Non-Slip Surfacing, Add	*45.73*	
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	822.51	24.69
		For Non-Slip Surfacing, Add	*92.78*	

08 72 43 00-0093 Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*

08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	271.60	17.64
		For Non-Slip Surfacing, Add	*28.36*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	416.34	17.64
		For Non-Slip Surfacing, Add	*45.73*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	822.51	24.69
		For Non-Slip Surfacing, Add	*92.78*	

08 72 43 00-0097 Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)*

Note: Includes vinyl or pile seal.

08 72 43 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*

Note: Includes mill finish.

08 72 43 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*

08 72 43 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*

08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	68.91	14.11
		For Color Anodized Finish, Add	*11.77*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	57.69	14.11
		For Color Anodized Finish, Add	*11.21*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	75.94	14.11
		For Color Anodized Finish, Add	*14.23*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	79.02	14.11
		For Color Anodized Finish, Add	*15.31*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*

08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	55.06	14.11
		For Color Anodized Finish, Add	*9.90*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	58.13	14.11
		For Color Anodized Finish, Add	*11.43*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*

08 72 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*

08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	61.43	14.11
		For Color Anodized Finish, Add	*10.46*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	64.29	14.11
		For Color Anodized Finish, Add	*11.61*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	68.47	14.11
		For Color Anodized Finish, Add	*11.62*	
		For Thermoseal, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	73.19	14.11
		For Color Anodized Finish, Add	*13.27*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0114		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
08 72 43 00-0115		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0116		7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	199.83	14.11
		For Thermoseal, Add	*0.63*	
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	186.23	14.11
		For Thermoseal, Add	*0.63*	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	262.39	14.11
		For Thermoseal, Add	*0.63*	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	236.01	14.11
		For Thermoseal, Add	*0.63*	
08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	196.84	14.11
		For Thermoseal, Add	*0.63*	
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	207.24	15.52
		For Thermoseal, Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	216.62	15.52
		For Thermoseal, Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	267.35	15.52
		For Thermoseal, Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	245.68	16.22
		For Thermoseal, Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)* Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	41.63	11.29
		For Color Anodized Finish, Add	*5.36*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	33.92	9.88
		For Color Anodized Finish, Add	*3.23*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	51.76	11.29
		For Color Anodized Finish, Add	*6.60*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	60.99	11.29
		For Color Anodized Finish, Add	*10.29*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	31.07	9.88
		For Color Anodized Finish, Add	*1.60*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	33.92	9.88
		For Color Anodized Finish, Add	*2.77*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	52.42	14.11
		For Color Anodized Finish, Add	*6.86*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	55.06	14.11
		For Color Anodized Finish, Add	*5.94*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	111.32	11.29
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	142.50	9.88
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	133.87	14.11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0149		**Vinyl Transition Thresholds** *(08 72 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		**Carpet To Carpet, Vinyl Transition Thresholds** *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	49.69	11.29
08 72 43 00-0152		**Carpet To Tile, Vinyl Transition Thresholds** *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	49.69	11.29
08 72 43 00-0154		**Carpet To Concrete, Vinyl Transition Thresholds** *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	53.54	14.11
08 72 43 00-0156		**Carpet To VCT Tile, Vinyl Transition Thresholds** *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	57.11	14.11
08 72 43 00-0158		**Residential Thresholds** *(08 72 43 00-0001)*		
08 72 43 00-0159		**Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	21.67	7.05
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	22.40	7.05
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	29.96	7.51
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	30.46	7.79
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	45.68	8.01
08 72 43 00-0165		**Vinyl Top, Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	25.70	7.05
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	31.12	7.79
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	56.84	7.79
08 72 43 00-0169		**Vinyl Top, Aluminum Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	25.77	7.05
		For Color Anodized Finish, Add	*3.25*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	30.02	7.79
		For Color Anodized Finish, Add	*4.22*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	31.78	7.79
		For Color Anodized Finish, Add	*4.92*	
08 72 43 00-0173		**Interlocking Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0174		**Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0173)*		
08 72 43 00-0175		**1/2" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	55.86	8.01
		For Color Anodized Finish, Add	*10.75*	
08 72 43 00-0177		**5/8" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	37.45	7.51
		For Color Anodized Finish, Add	*5.61*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	34.20	7.79
		For Color Anodized Finish, Add	*7.37*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	39.60	8.01
		For Color Anodized Finish, Add	*5.87*	
08 72 43 00-0181		**7/8" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	43.11	8.01
		For Color Anodized Finish, Add	*11.54*	
08 72 43 00-0183		**Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0173)*		
08 72 43 00-0184		**1/2" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	145.83	8.01
08 72 43 00-0186		**5/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	111.27	7.79
08 72 43 00-0188		**7/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	149.23	8.01
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	211.00	8.24

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0191			Residential Door Sills *(08 72 43 00-0001)*		
08 72 43 00-0192			Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*		
	08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	32.56	8.01
			For Color Anodized Finish, Add	*6.27*	
	08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	34.85	8.24
			For Color Anodized Finish, Add	*5.70*	
08 72 43 00-0195			Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
	08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	45.99	8.01
			For Color Anodized Finish, Add	*9.09*	
	08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	47.21	8.24
			For Color Anodized Finish, Add	*9.31*	
08 72 43 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
	08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	46.48	7.79
			For Color Anodized Finish, Add	*9.45*	
	08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	47.04	8.01
			For Color Anodized Finish, Add	*6.75*	
	08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	49.07	8.24
			For Color Anodized Finish, Add	*7.12*	
08 72 43 00-0202			Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
	08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	19.61	7.05
			For Color Anodized Finish, Add	*3.85*	
	08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	21.36	7.05
			For Color Anodized Finish, Add	*3.63*	
	08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	23.12	7.05
			For Color Anodized Finish, Add	*2.25*	
08 72 43 00-0206			Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207			Marble Thresholds *(08 72 43 00-0206)*		
	08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	25.86	10.19
	08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	28.20	10.19
	08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	31.33	10.19
	08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	38.42	10.19
	08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	46.68	10.19
08 72 43 00-0213			Corian Thresholds *(08 72 43 00-0206)*		
	08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	96.35	11.71

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001			Clear Float Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0002			Clear Float Factory Installed Glass *(08 81 23 13-0001)*		
			Note: Type I, Class I, Quality Q3.		
	08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	8.74	
			For >50 To 200, Deduct	*-0.26*	
			For >200 To 400, Deduct	*-0.52*	
			For >400, Deduct	*-0.79*	
			For Tinted Glass, Add	*2.19*	
			For Reflective Coated Glass, Add	*3.93*	
			For Low-E Coated Glass, Add	*2.19*	
	08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	9.37	
			For >50 To 200, Deduct	*-0.28*	
			For >200 To 400, Deduct	*-0.56*	
			For >400, Deduct	*-0.84*	
			For Tinted Glass, Add	*2.34*	
			For Reflective Coated Glass, Add	*4.22*	
			For Low-E Coated Glass, Add	*2.34*	
	08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	11.36	
			For >50 To 200, Deduct	*-0.34*	
			For >200 To 400, Deduct	*-0.68*	
			For >400, Deduct	*-1.02*	
			For Tinted Glass, Add	*2.84*	
			For Reflective Coated Glass, Add	*5.11*	
			For Low-E Coated Glass, Add	*2.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	18.89	
		For >50 To 200, Deduct	*-0.57*	
		For >200 To 400, Deduct	*-1.13*	
		For >400, Deduct	*-1.70*	
		For Tinted Glass, Add	*4.72*	
		For Reflective Coated Glass, Add	*8.50*	
		For Low-E Coated Glass, Add	*4.72*	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	27.48	
		For >50 To 200, Deduct	*-0.82*	
		For >200 To 400, Deduct	*-1.65*	
		For >400, Deduct	*-2.47*	
		For Tinted Glass, Add	*6.87*	
		For Reflective Coated Glass, Add	*12.37*	
		For Low-E Coated Glass, Add	*6.87*	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	30.20	
		For >50 To 200, Deduct	*-0.91*	
		For >200 To 400, Deduct	*-1.81*	
		For >400, Deduct	*-2.72*	
		For Tinted Glass, Add	*7.55*	
		For Reflective Coated Glass, Add	*13.59*	
		For Low-E Coated Glass, Add	*7.55*	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	36.13	
		For >50 To 200, Deduct	*-1.08*	
		For >200 To 400, Deduct	*-2.17*	
		For >400, Deduct	*-3.25*	
		For Tinted Glass, Add	*9.03*	
		For Reflective Coated Glass, Add	*16.26*	
		For Low-E Coated Glass, Add	*9.03*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	44.63	
		For >50 To 200, Deduct	*-1.34*	
		For >200 To 400, Deduct	*-2.68*	
		For >400, Deduct	*-4.02*	
		For Tinted Glass, Add	*11.16*	
		For Reflective Coated Glass, Add	*20.08*	
		For Low-E Coated Glass, Add	*11.16*	

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.01	
		For >50 To 200, Deduct	*-0.39*	
		For >200 To 400, Deduct	*-0.78*	
		For >400, Deduct	*-1.17*	
		For Tinted Glass, Add	*3.25*	
		For Reflective Coated Glass, Add	*5.85*	
		For Low-E Coated Glass, Add	*3.25*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	13.90	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.25*	
		For Tinted Glass, Add	*3.48*	
		For Reflective Coated Glass, Add	*6.26*	
		For Low-E Coated Glass, Add	*3.48*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	16.91	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.01*	
		For >400, Deduct	*-1.52*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*7.61*	
		For Low-E Coated Glass, Add	*4.23*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.15	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.69*	
		For >400, Deduct	*-2.53*	
		For Tinted Glass, Add	*7.04*	
		For Reflective Coated Glass, Add	*12.67*	
		For Low-E Coated Glass, Add	*7.04*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	40.91	
		For >50 To 200, Deduct	*-1.23*	
		For >200 To 400, Deduct	*-2.45*	
		For >400, Deduct	*-3.68*	
		For Tinted Glass, Add	*10.23*	
		For Reflective Coated Glass, Add	*18.41*	
		For Low-E Coated Glass, Add	*10.23*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	44.94	
		For >50 To 200, Deduct	*-1.35*	
		For >200 To 400, Deduct	*-2.70*	
		For >400, Deduct	*-4.04*	
		For Tinted Glass, Add	*11.24*	
		For Reflective Coated Glass, Add	*20.22*	
		For Low-E Coated Glass, Add	*11.24*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	53.77	
		For >50 To 200, Deduct	*-1.61*	
		For >200 To 400, Deduct	*-3.23*	
		For >400, Deduct	*-4.84*	
		For Tinted Glass, Add	*13.44*	
		For Reflective Coated Glass, Add	*24.20*	
		For Low-E Coated Glass, Add	*13.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	66.42	
		For >50 To 200, Deduct	*-1.99*	
		For >200 To 400, Deduct	*-3.99*	
		For >400, Deduct	*-5.98*	
		For Tinted Glass, Add	*16.61*	
		For Reflective Coated Glass, Add	*29.89*	
		For Low-E Coated Glass, Add	*16.61*	
08 81 23 13-0021		Patterned Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0022		Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	71.08	
08 81 23 13-0024		Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0027		Wired Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0031		Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	122.17	
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	56.50	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.39*	
		For >400, Deduct	*-5.09*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	74.14	
		For >50 To 200, Deduct	*-2.22*	
		For >200 To 400, Deduct	*-4.45*	
		For >400, Deduct	*-6.67*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	93.71	
		For >50 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.62*	
		For >400, Deduct	*-8.43*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	140.08	
		For >50 To 200, Deduct	*-4.20*	
		For >200 To 400, Deduct	*-8.40*	
		For >400, Deduct	*-12.61*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	53.66	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	106.83	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	165.10	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	218.52	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	35.44	
		For >50 To 200, Deduct	*-1.06*	
		For >200 To 400, Deduct	*-2.13*	
		For >400, Deduct	*-3.19*	
		For Tinted Glass, Add	*7.09*	
		For Reflective Coated Glass, Add	*10.63*	
		For Low-E Coated Glass, Add	*8.86*	
		For One Piece Heat Strengthened Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	44.24	
		For >50 To 200, Deduct	*-1.33*	
		For >200 To 400, Deduct	*-2.65*	
		For >400, Deduct	*-3.98*	
		For Tinted Glass, Add	*8.85*	
		For Reflective Coated Glass, Add	*13.27*	
		For Low-E Coated Glass, Add	*11.06*	
		For One Piece Heat Strengthened Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	51.11	
		For >50 To 200, Deduct	*-1.53*	
		For >200 To 400, Deduct	*-3.07*	
		For >400, Deduct	*-4.60*	
		For Tinted Glass, Add	*10.22*	
		For Reflective Coated Glass, Add	*15.33*	
		For Low-E Coated Glass, Add	*12.78*	
		For One Piece Heat Strengthened Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	21.80	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.65*	
		For >200 To 400, Deduct	*-1.31*	
		For >400, Deduct	*-1.96*	
		For Tinted Glass, Add	*3.27*	
		For Reflective Coated Glass, Add	*6.54*	
		For Low-E Coated Glass, Add	*5.45*	
		For One Piece Heat Strengthened Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.00*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.14*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	23.86	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.15*	
		For Tinted Glass, Add	*3.58*	
		For Reflective Coated Glass, Add	*7.16*	
		For Low-E Coated Glass, Add	*5.97*	
		For One Piece Heat Strengthened Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.14*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	22.44	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.35*	
		For >400, Deduct	*-2.02*	
		For Tinted Glass, Add	*3.37*	
		For Reflective Coated Glass, Add	*6.73*	
		For Low-E Coated Glass, Add	*5.61*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.49*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.49*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*9.54*	
		For Argon Gas, Add	*3.09*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	23.82	
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.14*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.76*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.76*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.12*	
		For Argon Gas, Add	*3.28*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	24.09	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.24*	
		For Argon Gas, Add	*3.31*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	24.09	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.24*	
		For Argon Gas, Add	*3.31*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	27.54	
		For >50 To 200, Deduct	*-0.83*	
		For >200 To 400, Deduct	*-1.65*	
		For >400, Deduct	*-2.48*	
		For Tinted Glass, Add	*4.13*	
		For Reflective Coated Glass, Add	*8.26*	
		For Low-E Coated Glass, Add	*6.89*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.51*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.51*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.70*	
		For Argon Gas, Add	*3.79*	

08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*
Note: Type I, Class I, Quality Q3.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass	24.09	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass	25.24	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.27*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass	27.99	
		Note: Two 1/4" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass	31.62	
		Note: Two 5/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.95*	
		For >200 To 400, Deduct	*-1.90*	
		For >400, Deduct	*-2.85*	
		For Tinted Glass, Add	*4.74*	
		For Reflective Coated Glass, Add	*9.49*	
		For Low-E Coated Glass, Add	*7.91*	
		For One Piece Heat Strengthened Glass, Add	*6.32*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*6.32*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*13.44*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.35*	

08 81 23 13-0067 1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass	25.24	
		Note: Two 1/8" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.27*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	27.99	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	27.99	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	30.61	
		For >50 To 200, Deduct	*-0.92*	
		For >200 To 400, Deduct	*-1.84*	
		For >400, Deduct	*-2.75*	
		For Tinted Glass, Add	*4.59*	
		For Reflective Coated Glass, Add	*9.18*	
		For Low-E Coated Glass, Add	*7.65*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.01*	
		For Argon Gas, Add	*4.21*	

08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*

08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	85.72	
		For >50 To 200, Deduct	*-2.57*	
		For >200 To 400, Deduct	*-5.14*	
		For >400, Deduct	*-7.71*	
		For Tinted Glass, Add	*12.86*	
		For Reflective Coated Glass, Add	*25.72*	
		For Low-E Coated Glass, Add	*21.43*	
		For Argon Gas, Add	*11.79*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	104.08	
		For >50 To 200, Deduct	*-3.12*	
		For >200 To 400, Deduct	*-6.24*	
		For >400, Deduct	*-9.37*	
		For Tinted Glass, Add	*15.61*	
		For Reflective Coated Glass, Add	*31.22*	
		For Low-E Coated Glass, Add	*26.02*	
		For Argon Gas, Add	*14.31*	
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	122.44	
		For >50 To 200, Deduct	*-3.67*	
		For >200 To 400, Deduct	*-7.35*	
		For >400, Deduct	*-11.02*	
		For Tinted Glass, Add	*18.37*	
		For Reflective Coated Glass, Add	*36.73*	
		For Low-E Coated Glass, Add	*30.61*	
		For Argon Gas, Add	*16.84*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 23 23-0001 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	30.00	
		For >50 To 200, Deduct	*-1.92*	
		For >200 To 400, Deduct	*-3.50*	
		For >400, Deduct	*-4.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.74*	
		For Tinted Glass, Add	*3.25*	
		For Reflective Coated Glass, Add	*5.85*	
		For Low-E Coated Glass, Add	*3.25*	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	32.21	
		For >50 To 200, Deduct	*-2.06*	
		For >200 To 400, Deduct	*-3.76*	
		For >400, Deduct	*-5.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.73*	
		For Tinted Glass, Add	*3.48*	
		For Reflective Coated Glass, Add	*6.26*	
		For Low-E Coated Glass, Add	*3.48*	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	36.52	
		For >50 To 200, Deduct	*-2.27*	
		For >200 To 400, Deduct	*-4.15*	
		For >400, Deduct	*-5.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*7.61*	
		For Low-E Coated Glass, Add	*4.23*	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	50.38	
		For >50 To 200, Deduct	*-2.85*	
		For >200 To 400, Deduct	*-5.25*	
		For >400, Deduct	*-7.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.67*	
		For Tinted Glass, Add	*7.04*	
		For Reflective Coated Glass, Add	*12.67*	
		For Low-E Coated Glass, Add	*7.04*	
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	65.76	
		For >50 To 200, Deduct	*-3.46*	
		For >200 To 400, Deduct	*-6.43*	
		For >400, Deduct	*-8.90*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.64*	
		For Tinted Glass, Add	*10.23*	
		For Reflective Coated Glass, Add	*18.41*	
		For Low-E Coated Glass, Add	*10.23*	
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	72.40	
		For >50 To 200, Deduct	*-3.82*	
		For >200 To 400, Deduct	*-7.09*	
		For >400, Deduct	*-9.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.60*	
		For Tinted Glass, Add	*11.24*	
		For Reflective Coated Glass, Add	*20.22*	
		For Low-E Coated Glass, Add	*11.24*	
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	87.77	
		For >50 To 200, Deduct	*-4.67*	
		For >200 To 400, Deduct	*-8.67*	
		For >400, Deduct	*-11.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.50*	
		For Tinted Glass, Add	*13.44*	
		For Reflective Coated Glass, Add	*24.20*	
		For Low-E Coated Glass, Add	*13.44*	
08 81 23 23-0010	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	106.96	
		For >50 To 200, Deduct	*-5.64*	
		For >200 To 400, Deduct	*-10.47*	
		For >400, Deduct	*-14.49*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*30.41*	
		For Tinted Glass, Add	*16.61*	
		For Reflective Coated Glass, Add	*29.89*	
		For Low-E Coated Glass, Add	*16.61*	

08 81 23 23-0011 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Clear Float Field Installed Glass	25.73	
		For >50 To 200, Deduct	*-1.79*	
		For >200 To 400, Deduct	*-3.24*	
		For >400, Deduct	*-4.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.74*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
08 81 23 23-0014	SF	3/16" Thick, Clear Float Field Installed Glass	27.68	
		For >50 To 200, Deduct	*-1.93*	
		For >200 To 400, Deduct	*-3.49*	
		For >400, Deduct	*-4.69*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.73*	
		For Tinted Glass, Add	*2.34*	
		For Reflective Coated Glass, Add	*4.22*	
		For Low-E Coated Glass, Add	*2.34*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0015		SF	1/4" Thick, Clear Float Field Installed Glass	30.97	
			For >50 To 200, Deduct	*-2.11*	
			For >200 To 400, Deduct	*-3.82*	
			For >400, Deduct	*-5.14*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	
			For Tinted Glass, Add	*2.84*	
			For Reflective Coated Glass, Add	*5.11*	
			For Low-E Coated Glass, Add	*2.84*	
08 81 23 23-0016		SF	5/16" Thick, Clear Float Field Installed Glass	41.12	
			For >50 To 200, Deduct	*-2.57*	
			For >200 To 400, Deduct	*-4.69*	
			For >400, Deduct	*-6.37*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.67*	
			For Tinted Glass, Add	*4.72*	
			For Reflective Coated Glass, Add	*8.50*	
			For Low-E Coated Glass, Add	*4.72*	
08 81 23 23-0017		SF	3/8" Thick, Clear Float Field Installed Glass	52.33	
			For >50 To 200, Deduct	*-3.06*	
			For >200 To 400, Deduct	*-5.62*	
			For >400, Deduct	*-7.69*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*18.64*	
			For Tinted Glass, Add	*6.87*	
			For Reflective Coated Glass, Add	*12.37*	
			For Low-E Coated Glass, Add	*6.87*	
08 81 23 23-0018		SF	1/2" Thick, Clear Float Field Installed Glass	57.66	
			For >50 To 200, Deduct	*-3.38*	
			For >200 To 400, Deduct	*-6.21*	
			For >400, Deduct	*-8.48*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*20.60*	
			For Tinted Glass, Add	*7.55*	
			For Reflective Coated Glass, Add	*13.59*	
			For Low-E Coated Glass, Add	*7.55*	
08 81 23 23-0019		SF	5/8" Thick, Clear Float Field Installed Glass	70.13	
			For >50 To 200, Deduct	*-4.14*	
			For >200 To 400, Deduct	*-7.61*	
			For >400, Deduct	*-10.39*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*25.50*	
			For Tinted Glass, Add	*9.03*	
			For Reflective Coated Glass, Add	*16.26*	
			For Low-E Coated Glass, Add	*9.03*	
08 81 23 23-0020		SF	3/4" Thick, Clear Float Field Installed Glass	85.17	
			For >50 To 200, Deduct	*-4.99*	
			For >200 To 400, Deduct	*-9.16*	
			For >400, Deduct	*-12.53*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*30.41*	
			For Tinted Glass, Add	*11.16*	
			For Reflective Coated Glass, Add	*20.08*	
			For Low-E Coated Glass, Add	*11.16*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023		SF	1/4" Thick, Rough Obscure Field Installed Glass	90.69	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025		SF	1/8" Thick, Patterned, Figured Field Installed Glass	60.17	
			For Glass Removal And Preparing Opening For New Glazing, Add	*12.74*	
08 81 23 23-0026		SF	7/32" Thick, Patterned, Figured Field Installed Glass	62.14	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.22*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029		SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	131.37	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	
08 81 23 23-0030		SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	131.37	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	

08 81 23 23-0031 Polished, Wired Field Installed Glass *(08 81 23 23-0027)*

08 81 23 23-0032		SF	1/4" Thick, Polished, Wired Field Installed Glass	141.78	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	

08 81 23 23-0033 Frosted Field Installed Glass *(08 81 23 23)*

08 81 23 23-0034 Frosted Field Installed Glass *(08 81 23 23-0033)*

08 81 23 23-0035		SF	1/8" Thick, Frosted Field Installed Glass	73.49	
			For >50 To 200, Deduct	*-3.22*	
			For >200 To 400, Deduct	*-6.11*	
			For >400, Deduct	*-8.65*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*12.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	92.45	
		For >50 To 200, Deduct	*-3.87*	
		For >200 To 400, Deduct	*-7.38*	
		For >400, Deduct	*-10.52*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.73*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	113.32	
		For >50 To 200, Deduct	*-4.58*	
		For >200 To 400, Deduct	*-8.76*	
		For >400, Deduct	*-12.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	164.93	
		For >50 To 200, Deduct	*-6.44*	
		For >200 To 400, Deduct	*-12.38*	
		For >400, Deduct	*-17.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.64*	

08 81 23 23-0039 Fire Rated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0040 Fire Rated Field Installed Glass *(08 81 23 23-0039)*

08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	73.27	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.69*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	126.44	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.69*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	184.71	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.69*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	238.13	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.69*	

08 81 23 23-0045 Laminated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	55.05	
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.26*	
		For >400, Deduct	*-7.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	
		For Tinted Glass, Add	*7.09*	
		For Reflective Coated Glass, Add	*10.63*	
		For Low-E Coated Glass, Add	*8.86*	
		For One Piece Heat Strengthened Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	69.09	
		For >50 To 200, Deduct	*-3.56*	
		For >200 To 400, Deduct	*-6.63*	
		For >400, Deduct	*-9.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.64*	
		For Tinted Glass, Add	*8.85*	
		For Reflective Coated Glass, Add	*13.27*	
		For Low-E Coated Glass, Add	*11.06*	
		For One Piece Heat Strengthened Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	78.57	
		For >50 To 200, Deduct	*-4.00*	
		For >200 To 400, Deduct	*-7.46*	
		For >400, Deduct	*-10.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.60*	
		For Tinted Glass, Add	*10.22*	
		For Reflective Coated Glass, Add	*15.33*	
		For Low-E Coated Glass, Add	*12.78*	
		For One Piece Heat Strengthened Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	88.23	
		For >50 To 200, Deduct	*-4.49*	
		For >200 To 400, Deduct	*-8.37*	
		For >400, Deduct	*-11.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.05*	
		For Tinted Glass, Add	*11.50*	
		For Reflective Coated Glass, Add	*17.25*	
		For Low-E Coated Glass, Add	*14.38*	
		For One Piece Heat Strengthened Glass, Add	*11.50*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*11.50*	
		Note: Double UOM if applied for both interior and exterior glazing		

08 81 23 23-0051 Insulated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0052 Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0053 3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	43.77	
			Note: Two 3/32" lites with 3/16" air space.		
			For >50 To 200, Deduct	*-2.63*	
			For >200 To 400, Deduct	*-4.82*	
			For >400, Deduct	*-6.58*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.48*	
			For Tinted Glass, Add	*3.27*	
			For Reflective Coated Glass, Add	*6.54*	
			For Low-E Coated Glass, Add	*5.45*	
			For One Piece Heat Strengthened Glass, Add	*4.36*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*4.36*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*9.27*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.00*	
	08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	46.70	
			Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
			For >50 To 200, Deduct	*-2.77*	
			For >200 To 400, Deduct	*-5.09*	
			For >400, Deduct	*-6.95*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*17.16*	
			For Tinted Glass, Add	*3.57*	
			For Reflective Coated Glass, Add	*7.15*	
			For Low-E Coated Glass, Add	*5.96*	
			For One Piece Heat Strengthened Glass, Add	*4.76*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*4.76*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*10.12*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.28*	
	08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	47.13	
			Note: Two 3/16" lites with 3/16" air space.		
			For >50 To 200, Deduct	*-2.81*	
			For >200 To 400, Deduct	*-5.15*	
			For >400, Deduct	*-7.03*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*17.45*	
			For Tinted Glass, Add	*3.58*	
			For Reflective Coated Glass, Add	*7.16*	
			For Low-E Coated Glass, Add	*5.97*	
			For One Piece Heat Strengthened Glass, Add	*4.77*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*4.77*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*10.14*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.28*	
	08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
			Note: Type I, Class I, Quality Q3.		
	08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	44.80	
			Note: Two 3/32" lites with 1/4" air space.		
			For >50 To 200, Deduct	*-2.69*	
			For >200 To 400, Deduct	*-4.92*	
			For >400, Deduct	*-6.72*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.77*	
			For Tinted Glass, Add	*3.37*	
			For Reflective Coated Glass, Add	*6.73*	
			For Low-E Coated Glass, Add	*5.61*	
			For One Piece Heat Strengthened Glass, Add	*4.49*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*4.49*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*9.54*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.09*	
	08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	46.70	
			Note: Two 1/8" lites with 1/4" air space.		
			For >50 To 200, Deduct	*-2.77*	
			For >200 To 400, Deduct	*-5.09*	
			For >400, Deduct	*-6.95*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*17.16*	
			For Tinted Glass, Add	*3.57*	
			For Reflective Coated Glass, Add	*7.15*	
			For Low-E Coated Glass, Add	*5.96*	
			For One Piece Heat Strengthened Glass, Add	*4.76*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*4.76*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*10.12*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	48.51	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.92*	
		For >200 To 400, Deduct	*-5.35*	
		For >400, Deduct	*-7.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.32*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	48.51	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-2.92*	
		For >200 To 400, Deduct	*-5.35*	
		For >400, Deduct	*-7.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.32*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	54.18	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-3.22*	
		For >200 To 400, Deduct	*-5.91*	
		For >400, Deduct	*-8.07*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.98*	
		For Tinted Glass, Add	*4.13*	
		For Reflective Coated Glass, Add	*8.26*	
		For Low-E Coated Glass, Add	*6.89*	
		For One Piece Heat Strengthened Glass, Add	*5.51*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.51*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.70*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.79*	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	48.51	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-2.92*	
		For >200 To 400, Deduct	*-5.35*	
		For >400, Deduct	*-7.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.32*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	51.88	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-3.15*	
		For >200 To 400, Deduct	*-5.78*	
		For >400, Deduct	*-7.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.98*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0066		SF	7/8" Thick, Insulated Field Installed Glass	55.19	
			Note: Two 1/4" lites with 3/8" air space.		
			For >50 To 200, Deduct	*-3.29*	
			For >200 To 400, Deduct	*-6.03*	
			For >400, Deduct	*-8.23*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*20.40*	
			For Tinted Glass, Add	*4.20*	
			For Reflective Coated Glass, Add	*8.40*	
			For Low-E Coated Glass, Add	*7.00*	
			For One Piece Heat Strengthened Glass, Add	*5.60*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*5.60*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*11.90*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.85*	
08 81 23 23-0067		SF	1" Thick, Insulated Field Installed Glass	59.08	
			Note: Two 5/16" lites with 3/8" air space.		
			For >50 To 200, Deduct	*-3.42*	
			For >200 To 400, Deduct	*-6.29*	
			For >400, Deduct	*-8.61*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*20.60*	
			For Tinted Glass, Add	*4.74*	
			For Reflective Coated Glass, Add	*9.49*	
			For Low-E Coated Glass, Add	*7.91*	
			For One Piece Heat Strengthened Glass, Add	*6.32*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*6.32*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*13.44*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*4.35*	

08 81 23 23-0068 1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0069		SF	3/4" Thick, Insulated Field Installed Glass	51.88	
			Note: Two 1/8" lites with 1/2" air space.		
			For >50 To 200, Deduct	*-3.15*	
			For >200 To 400, Deduct	*-5.78*	
			For >400, Deduct	*-7.87*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*19.98*	
			For Tinted Glass, Add	*3.79*	
			For Reflective Coated Glass, Add	*7.57*	
			For Low-E Coated Glass, Add	*6.31*	
			For One Piece Heat Strengthened Glass, Add	*5.05*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*5.05*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*10.73*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.47*	
08 81 23 23-0070		SF	7/8" Thick, Insulated Field Installed Glass	55.19	
			Note: Two 3/16" lites with 1/2" air space.		
			For >50 To 200, Deduct	*-3.29*	
			For >200 To 400, Deduct	*-6.03*	
			For >400, Deduct	*-8.23*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*20.40*	
			For Tinted Glass, Add	*4.20*	
			For Reflective Coated Glass, Add	*8.40*	
			For Low-E Coated Glass, Add	*7.00*	
			For One Piece Heat Strengthened Glass, Add	*5.60*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*5.60*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*11.90*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.85*	
08 81 23 23-0071		SF	7/8" Thick, Insulated Field Installed Glass	55.19	
			Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
			For >50 To 200, Deduct	*-3.29*	
			For >200 To 400, Deduct	*-6.03*	
			For >400, Deduct	*-8.23*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*20.40*	
			For Tinted Glass, Add	*4.20*	
			For Reflective Coated Glass, Add	*8.40*	
			For Low-E Coated Glass, Add	*7.00*	
			For One Piece Heat Strengthened Glass, Add	*5.60*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	*5.60*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	*11.90*	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	*3.85*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	58.07	
		For >50 To 200, Deduct	*-3.39*	
		For >200 To 400, Deduct	*-6.23*	
		For >400, Deduct	*-8.52*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.60*	
		For Tinted Glass, Add	*4.59*	
		For Reflective Coated Glass, Add	*9.18*	
		For Low-E Coated Glass, Add	*7.65*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.01*	
		For Argon Gas, Add	*4.21*	
08 81 23 23-0073		Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	113.18	
		For >50 To 200, Deduct	*-5.04*	
		For >200 To 400, Deduct	*-9.54*	
		For >400, Deduct	*-13.48*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.60*	
		For Tinted Glass, Add	*12.86*	
		For Reflective Coated Glass, Add	*25.72*	
		For Low-E Coated Glass, Add	*21.43*	
		For Argon Gas, Add	*11.79*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	135.46	
		For >50 To 200, Deduct	*-5.95*	
		For >200 To 400, Deduct	*-11.27*	
		For >400, Deduct	*-15.96*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.54*	
		For Tinted Glass, Add	*15.61*	
		For Reflective Coated Glass, Add	*31.22*	
		For Low-E Coated Glass, Add	*26.02*	
		For Argon Gas, Add	*14.31*	
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	158.40	
		For >50 To 200, Deduct	*-6.91*	
		For >200 To 400, Deduct	*-13.10*	
		For >400, Deduct	*-18.57*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.97*	
		For Tinted Glass, Add	*18.37*	
		For Reflective Coated Glass, Add	*36.73*	
		For Low-E Coated Glass, Add	*30.61*	
		For Argon Gas, Add	*16.84*	
08 81 23 23-0077		Spandrel Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0078		Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0077)*		
08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	45.39	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.34*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	40.32	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.34*	
08 81 23 23-0081		Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0077)*		
08 81 23 23-0082		1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0081)* Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	50.66	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.34*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	44.92	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.34*	
08 81 23 23-0085		1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*		
08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	60.63	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.34*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	49.35	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.34*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	98.05	9.81
		For >50 To 200, Deduct	*-2.36*	
		For >200 To 400, Deduct	*-3.93*	
		For >400, Deduct	*-6.29*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	137.18	9.81
		For >50 To 200, Deduct	*-3.53*	
		For >200 To 400, Deduct	*-5.89*	
		For >400, Deduct	*-9.42*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	33.17	7.85
		For >50 To 200, Deduct	*-0.52*	
		For >200 To 400, Deduct	*-0.87*	
		For >400, Deduct	*-1.40*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	39.20	9.15
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.06*	
		For >400, Deduct	*-1.69*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	42.98	9.81
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400, Deduct	*-1.89*	

08 83 13 00-0010 Tempered, Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	54.16	7.85
		For >50 To 200, Deduct	*-1.15*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-3.08*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	61.48	9.15
		For >50 To 200, Deduct	*-1.30*	
		For >200 To 400, Deduct	*-2.17*	
		For >400, Deduct	*-3.48*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	67.81	9.81
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.42*	
		For >400, Deduct	*-3.87*	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	44.49	9.81
		For >50 To 200, Deduct	*-0.75*	
		For >200 To 400, Deduct	*-1.26*	
		For >400, Deduct	*-2.01*	

08 83 13 00-0016 Laminated Safety Mirror Glass *(08 83 13 00-0001)*

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	83.62	9.81
		For >50 To 200, Deduct	*-1.93*	
		For >200 To 400, Deduct	*-3.21*	
		For >400, Deduct	*-5.14*	

08 83 13 00-0018 Accessories For Mirror Glass *(08 83 13)*

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	5.94
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	6.04
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	7.42
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	9.35

08 83 13 00-0023 Removal And Reinstallation Of Mirror Glass *(08 83 13)*

Note: Including storage, cleaning and supply materials.

08 83 13 00-0024	SF	Removal And Reinstallation Of Mirror Unframed	24.89	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.53*	

08 84 Plastic Glazing *(08 80)*

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.93	
		For >50 To 200, Deduct	*-0.48*	
		For >200 To 400, Deduct	*-0.96*	
		For >400, Deduct	*-1.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.33*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	23.08	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.03*	
		For >400, Deduct	*-1.54*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	27.26	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.39*	
		For >400, Deduct	*-2.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.33*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	38.72	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.50*	
		For >400, Deduct	*-3.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.71*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	48.70	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.40*	
		For >400, Deduct	*-5.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	32.06	
		For >50 To 200, Deduct	*-0.99*	
		For >200 To 400, Deduct	*-1.97*	
		For >400, Deduct	*-2.96*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.33*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	37.08	
		For >50 To 200, Deduct	*-1.21*	
		For >200 To 400, Deduct	*-2.43*	
		For >400, Deduct	*-3.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.81*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	39.16	
		For >50 To 200, Deduct	*-1.29*	
		For >200 To 400, Deduct	*-2.58*	
		For >400, Deduct	*-3.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.33*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	63.61	
		For >50 To 200, Deduct	*-2.50*	
		For >200 To 400, Deduct	*-4.99*	
		For >400, Deduct	*-7.49*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.71*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	67.59	
		For >50 To 200, Deduct	*-2.64*	
		For >200 To 400, Deduct	*-5.29*	
		For >400, Deduct	*-7.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	15.65	
		For >50 To 200, Deduct	*-0.19*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.77*	
		For Colored, Add	*0.78*	
		For Shatterproof, Add	*2.33*	
		For Mirrored, Add	*3.10*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	16.26	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.33*	
		For Colored, Add	*0.79*	
		For Shatterproof, Add	*2.36*	
		For Mirrored, Add	*3.14*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.94	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.81*	
		For Colored, Add	*1.23*	
		For Shatterproof, Add	*3.68*	
		For Mirrored, Add	*4.90*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	21.41	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.81*	
		For >400, Deduct	*-1.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.33*	
		For Colored, Add	*1.62*	
		For Shatterproof, Add	*4.85*	
		For Mirrored, Add	*6.46*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	21.86	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.40*	
		For Colored, Add	*1.69*	
		For Shatterproof, Add	*5.08*	
		For Mirrored, Add	*6.77*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0019		SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	22.56	
			For >50 To 200, Deduct	*-0.44*	
			For >200 To 400, Deduct	*-0.89*	
			For >400, Deduct	*-1.33*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*13.71*	
			For Colored, Add	*1.77*	
			For Shatterproof, Add	*5.31*	
			For Mirrored, Add	*7.08*	
08 84 00 00-0020		SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	26.41	
			For >50 To 200, Deduct	*-0.59*	
			For >200 To 400, Deduct	*-1.17*	
			For >400, Deduct	*-1.76*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.71*	
			For Colored, Add	*2.34*	
			For Shatterproof, Add	*7.02*	
			For Mirrored, Add	*9.36*	
08 84 00 00-0021		SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	36.84	
			For >50 To 200, Deduct	*-0.91*	
			For >200 To 400, Deduct	*-1.82*	
			For >400, Deduct	*-2.73*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*18.61*	
08 84 00 00-0022		SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	48.25	
			For >50 To 200, Deduct	*-1.40*	
			For >200 To 400, Deduct	*-2.80*	
			For >400, Deduct	*-4.20*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*20.22*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Solar Control Window Films *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	17.66	
08 87 13 00-0003	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	18.15	

08 87 23 Safety and Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	17.88	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.11*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	18.81	
		For >1,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.20*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	22.23	
		For >1,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.54*	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	19.82	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.30*	
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	19.82	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.30*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	19.82	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.30*	

08 87 23 16-0010 Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	16.86	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.00*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	17.11	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.03*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	19.43	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.26*	

08 87 23 16-0014 Anti-Graffiti Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	16.86	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.00*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	17.11	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.03*	

08 88 Special Function Glazing *(08 80)*

08 88 49 Radiation-Resistant Glazing *(08 88)*

08 88 49 00-0001 Leaded Glass (X-Ray Shielding) *(08 88 49)*

08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	381.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.85*	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	566.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.85*	

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate *(08 88 53)*

08 88 53 00-0002 Ballistic Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	157.37	
		For Glass Removal And Preparing Opening For New Glazing, Add	*64.86*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	183.22	
		For Glass Removal And Preparing Opening For New Glazing, Add	*64.86*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	207.75	
		For Glass Removal And Preparing Opening For New Glazing, Add	*73.22*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	229.35	
		For Glass Removal And Preparing Opening For New Glazing, Add	*73.22*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	260.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	*83.69*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	278.10	
		For Glass Removal And Preparing Opening For New Glazing, Add	*83.69*	

08 88 53 00-0009 Forced Entry Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	57.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.35*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	64.58	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.43*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	73.49	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.68*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	88.58	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.12*	

08 88 53 00-0014 Glass Clad Polycarbonate *(08 88 53)*

08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	228.07	
		For Glass Removal And Preparing Opening For New Glazing, Add	*79.50*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	255.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	*92.06*	
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	324.63	
		For Glass Removal And Preparing Opening For New Glazing, Add	*104.61*	

08 88 53 00-0018 Ballistic Resistant Acrylic *(08 88 53)*

08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	241.44	
		For Glass Removal And Preparing Opening For New Glazing, Add	*79.50*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	282.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*92.06*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	364.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	*104.61*	

08 88 53 00-0022 Ballistic Resistant Fiberglass *(08 88 53)*

08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	97.15	
		For Glass Removal And Preparing Opening For New Glazing, Add	*39.75*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	114.79	
		For Glass Removal And Preparing Opening For New Glazing, Add	*46.02*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	130.23	
		For Glass Removal And Preparing Opening For New Glazing, Add	*52.30*	

08 88 53 00-0026 Forced Entry And/or Ballistic Resistant Polycarbonate *(08 88 53)*

08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate *(08 88 53 00-0026)*

Note: GE-Lexan MR10.

08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	134.73	
		For Glass Removal And Preparing Opening For New Glazing, Add	*63.40*	

08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	166.57	
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.46*	
08 88 53 00-0031		Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	203.49	
		Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*83.69*	
08 88 53 00-0033		Fire Resistant, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01	222.74	
		Note: UL-9 Fire Resistant.		
		For Glass Removal And Preparing Opening For New Glazing, Add	*88.92*	
08 88 53 00-0035		Insulated, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01	191.06	
		Note: Level I (1/4" tempered float glass, 1/2" airspace).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.46*	
08 88 53 00-0037		Ballistic And Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant	440.09	
		Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*173.66*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant	445.36	
		Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*173.66*	
08 88 53 00-0040		Ballistic Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant	293.07	
		Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*117.16*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 13 00-0001		Motorized Wall Louver Actuator *(08 91 13)*		
		See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,940.10	120.12
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	2,957.79	120.12
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,085.16	120.12
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	8,058.68	120.12

08 91 16 Operable Wall Louvers *(08 91)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0001		Adjustable Intake Wall Louvers *(08 91 16)*		
		See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	529.37	31.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.58*	
		For Clear Lacquer Finish, Add	*93.16*	
		For Baked Enamel Standard Colors, Add	*139.73*	
		For Anodized Finish, Add	*186.31*	
		For Kynar® Standard Colors Finish, Add	*256.18*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	661.36	38.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*58.36*	
		For Clear Lacquer Finish, Add	*116.73*	
		For Baked Enamel Standard Colors, Add	*175.09*	
		For Anodized Finish, Add	*233.46*	
		For Kynar® Standard Colors Finish, Add	*321.00*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	782.03	45.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*69.02*	
		For Clear Lacquer Finish, Add	*138.03*	
		For Baked Enamel Standard Colors, Add	*207.05*	
		For Anodized Finish, Add	*276.07*	
		For Kynar® Standard Colors Finish, Add	*379.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	915.15	53.00
		For Flange Frame, Add	*80.92*	
		For Clear Lacquer Finish, Add	*161.83*	
		For Baked Enamel Standard Colors, Add	*242.75*	
		For Anodized Finish, Add	*323.66*	
		For Kynar® Standard Colors Finish, Add	*445.04*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,031.28	60.06
		For Flange Frame, Add	*91.12*	
		For Clear Lacquer Finish, Add	*182.23*	
		For Baked Enamel Standard Colors, Add	*273.35*	
		For Anodized Finish, Add	*364.46*	
		For Kynar® Standard Colors Finish, Add	*501.14*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,216.54	67.12
		For Flange Frame, Add	*108.23*	
		For Clear Lacquer Finish, Add	*216.46*	
		For Baked Enamel Standard Colors, Add	*324.68*	
		For Anodized Finish, Add	*432.91*	
		For Kynar® Standard Colors Finish, Add	*595.25*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,385.93	74.19
		For Flange Frame, Add	*123.75*	
		For Clear Lacquer Finish, Add	*247.51*	
		For Baked Enamel Standard Colors, Add	*371.26*	
		For Anodized Finish, Add	*495.02*	
		For Kynar® Standard Colors Finish, Add	*680.65*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,539.73	84.79
		For Flange Frame, Add	*137.01*	
		For Clear Lacquer Finish, Add	*274.03*	
		For Baked Enamel Standard Colors, Add	*411.04*	
		For Anodized Finish, Add	*548.06*	
		For Kynar® Standard Colors Finish, Add	*753.58*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,643.37	91.86
		For Flange Frame, Add	*145.97*	
		For Clear Lacquer Finish, Add	*291.93*	
		For Baked Enamel Standard Colors, Add	*437.90*	
		For Anodized Finish, Add	*583.86*	
		For Kynar® Standard Colors Finish, Add	*802.81*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,773.11	98.92
		For Flange Frame, Add	*157.53*	
		For Clear Lacquer Finish, Add	*315.05*	
		For Baked Enamel Standard Colors, Add	*472.58*	
		For Anodized Finish, Add	*630.10*	
		For Kynar® Standard Colors Finish, Add	*866.39*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,886.97	105.99
		For Flange Frame, Add	*167.50*	
		For Clear Lacquer Finish, Add	*335.00*	
		For Baked Enamel Standard Colors, Add	*502.50*	
		For Anodized Finish, Add	*670.00*	
		For Kynar® Standard Colors Finish, Add	*921.24*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,032.56	113.06
		For Flange Frame, Add	*180.65*	
		For Clear Lacquer Finish, Add	*361.29*	
		For Baked Enamel Standard Colors, Add	*541.94*	
		For Anodized Finish, Add	*722.58*	
		For Kynar® Standard Colors Finish, Add	*993.55*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,172.49	120.12
		For Flange Frame, Add	*193.22*	
		For Clear Lacquer Finish, Add	*386.45*	
		For Baked Enamel Standard Colors, Add	*579.67*	
		For Anodized Finish, Add	*772.90*	
		For Kynar® Standard Colors Finish, Add	*1,062.73*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,346.69	130.72
		For Flange Frame, Add	*208.52*	
		For Clear Lacquer Finish, Add	*417.05*	
		For Baked Enamel Standard Colors, Add	*625.57*	
		For Anodized Finish, Add	*834.10*	
		For Kynar® Standard Colors Finish, Add	*1,146.88*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,475.55	141.32
		For Flange Frame, Add	*219.29*	
		For Clear Lacquer Finish, Add	*438.58*	
		For Baked Enamel Standard Colors, Add	*657.87*	
		For Anodized Finish, Add	*877.16*	
		For Kynar® Standard Colors Finish, Add	*1,206.10*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	594.50	38.87
		For Flange Frame, Add	*51.68*	
		For Clear Lacquer Finish, Add	*103.36*	
		For Baked Enamel Standard Colors, Add	*155.03*	
		For Anodized Finish, Add	*206.71*	
		For Kynar® Standard Colors Finish, Add	*284.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	750.56	49.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*65.16*	
		For Clear Lacquer Finish, Add	*130.33*	
		For Baked Enamel Standard Colors, Add	*195.49*	
		For Anodized Finish, Add	*260.66*	
		For Kynar® Standard Colors Finish, Add	*358.40*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	880.29	56.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.72*	
		For Clear Lacquer Finish, Add	*153.45*	
		For Baked Enamel Standard Colors, Add	*230.17*	
		For Anodized Finish, Add	*306.89*	
		For Kynar® Standard Colors Finish, Add	*421.98*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,095.54	70.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*95.42*	
		For Clear Lacquer Finish, Add	*190.84*	
		For Baked Enamel Standard Colors, Add	*286.27*	
		For Anodized Finish, Add	*381.69*	
		For Kynar® Standard Colors Finish, Add	*524.82*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,245.68	77.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*109.02*	
		For Clear Lacquer Finish, Add	*218.04*	
		For Baked Enamel Standard Colors, Add	*327.07*	
		For Anodized Finish, Add	*436.09*	
		For Kynar® Standard Colors Finish, Add	*599.62*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,395.80	84.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*122.62*	
		For Clear Lacquer Finish, Add	*245.24*	
		For Baked Enamel Standard Colors, Add	*367.86*	
		For Anodized Finish, Add	*490.48*	
		For Kynar® Standard Colors Finish, Add	*674.42*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,575.38	91.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.17*	
		For Clear Lacquer Finish, Add	*278.33*	
		For Baked Enamel Standard Colors, Add	*417.50*	
		For Anodized Finish, Add	*556.67*	
		For Kynar® Standard Colors Finish, Add	*765.42*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,747.30	102.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*154.24*	
		For Clear Lacquer Finish, Add	*308.48*	
		For Baked Enamel Standard Colors, Add	*462.72*	
		For Anodized Finish, Add	*616.96*	
		For Kynar® Standard Colors Finish, Add	*848.31*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,885.23	113.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*165.91*	
		For Clear Lacquer Finish, Add	*331.82*	
		For Baked Enamel Standard Colors, Add	*497.74*	
		For Anodized Finish, Add	*663.65*	
		For Kynar® Standard Colors Finish, Add	*912.52*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,017.23	120.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*177.70*	
		For Clear Lacquer Finish, Add	*355.40*	
		For Baked Enamel Standard Colors, Add	*533.09*	
		For Anodized Finish, Add	*710.79*	
		For Kynar® Standard Colors Finish, Add	*977.34*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,141.29	127.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*188.69*	
		For Clear Lacquer Finish, Add	*377.38*	
		For Baked Enamel Standard Colors, Add	*566.07*	
		For Anodized Finish, Add	*754.76*	
		For Kynar® Standard Colors Finish, Add	*1,037.80*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,301.61	134.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*203.31*	
		For Clear Lacquer Finish, Add	*406.62*	
		For Baked Enamel Standard Colors, Add	*609.93*	
		For Anodized Finish, Add	*813.24*	
		For Kynar® Standard Colors Finish, Add	*1,118.21*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,456.28	141.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*217.36*	
		For Clear Lacquer Finish, Add	*434.73*	
		For Baked Enamel Standard Colors, Add	*652.09*	
		For Anodized Finish, Add	*869.45*	
		For Kynar® Standard Colors Finish, Add	*1,195.50*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,645.20	151.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*234.14*	
		For Clear Lacquer Finish, Add	*468.27*	
		For Baked Enamel Standard Colors, Add	*702.41*	
		For Anodized Finish, Add	*936.54*	
		For Kynar® Standard Colors Finish, Add	*1,287.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,788.79	162.52
		For Flange Frame, Add	*246.38*	
		For Clear Lacquer Finish, Add	*492.75*	
		For Baked Enamel Standard Colors, Add	*739.13*	
		For Anodized Finish, Add	*985.50*	
		For Kynar® Standard Colors Finish, Add	*1,355.06*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	665.30	45.93
		For Flange Frame, Add	*57.34*	
		For Clear Lacquer Finish, Add	*114.69*	
		For Baked Enamel Standard Colors, Add	*172.03*	
		For Anodized Finish, Add	*229.38*	
		For Kynar® Standard Colors Finish, Add	*315.39*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	844.03	56.53
		For Flange Frame, Add	*73.10*	
		For Clear Lacquer Finish, Add	*146.19*	
		For Baked Enamel Standard Colors, Add	*219.29*	
		For Anodized Finish, Add	*292.39*	
		For Kynar® Standard Colors Finish, Add	*402.03*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,045.42	67.12
		For Flange Frame, Add	*91.12*	
		For Clear Lacquer Finish, Add	*182.23*	
		For Baked Enamel Standard Colors, Add	*273.35*	
		For Anodized Finish, Add	*364.46*	
		For Kynar® Standard Colors Finish, Add	*501.14*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,233.47	81.26
		For Flange Frame, Add	*107.10*	
		For Clear Lacquer Finish, Add	*214.19*	
		For Baked Enamel Standard Colors, Add	*321.29*	
		For Anodized Finish, Add	*428.38*	
		For Kynar® Standard Colors Finish, Add	*589.02*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,398.34	88.32
		For Flange Frame, Add	*122.17*	
		For Clear Lacquer Finish, Add	*244.34*	
		For Baked Enamel Standard Colors, Add	*366.50*	
		For Anodized Finish, Add	*488.67*	
		For Kynar® Standard Colors Finish, Add	*671.92*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,572.25	95.39
		For Flange Frame, Add	*138.15*	
		For Clear Lacquer Finish, Add	*276.29*	
		For Baked Enamel Standard Colors, Add	*414.44*	
		For Anodized Finish, Add	*552.59*	
		For Kynar® Standard Colors Finish, Add	*759.81*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,787.24	105.99
		For Flange Frame, Add	*157.53*	
		For Clear Lacquer Finish, Add	*315.05*	
		For Baked Enamel Standard Colors, Add	*472.58*	
		For Anodized Finish, Add	*630.10*	
		For Kynar® Standard Colors Finish, Add	*866.39*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,969.64	120.12
		For Flange Frame, Add	*172.94*	
		For Clear Lacquer Finish, Add	*345.88*	
		For Baked Enamel Standard Colors, Add	*518.82*	
		For Anodized Finish, Add	*691.76*	
		For Kynar® Standard Colors Finish, Add	*951.16*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,110.69	127.19
		For Flange Frame, Add	*185.63*	
		For Clear Lacquer Finish, Add	*371.26*	
		For Baked Enamel Standard Colors, Add	*556.89*	
		For Anodized Finish, Add	*742.52*	
		For Kynar® Standard Colors Finish, Add	*1,020.97*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,265.89	141.32
		For Flange Frame, Add	*198.32*	
		For Clear Lacquer Finish, Add	*396.65*	
		For Baked Enamel Standard Colors, Add	*594.97*	
		For Anodized Finish, Add	*793.30*	
		For Kynar® Standard Colors Finish, Add	*1,090.78*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,409.21	148.39
		For Flange Frame, Add	*211.24*	
		For Clear Lacquer Finish, Add	*422.49*	
		For Baked Enamel Standard Colors, Add	*633.73*	
		For Anodized Finish, Add	*844.97*	
		For Kynar® Standard Colors Finish, Add	*1,161.84*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,603.53	155.46
		For Flange Frame, Add	*229.26*	
		For Clear Lacquer Finish, Add	*458.53*	
		For Baked Enamel Standard Colors, Add	*687.79*	
		For Anodized Finish, Add	*917.05*	
		For Kynar® Standard Colors Finish, Add	*1,260.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,768.39	162.52
		For Flange Frame, Add	*244.34*	
		For Clear Lacquer Finish, Add	*488.67*	
		For Baked Enamel Standard Colors, Add	*733.01*	
		For Anodized Finish, Add	*977.34*	
		For Kynar® Standard Colors Finish, Add	*1,343.84*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,976.58	173.12
		For Flange Frame, Add	*263.03*	
		For Clear Lacquer Finish, Add	*526.07*	
		For Baked Enamel Standard Colors, Add	*789.10*	
		For Anodized Finish, Add	*1,052.14*	
		For Kynar® Standard Colors Finish, Add	*1,446.69*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,130.38	183.71
		For Flange Frame, Add	*276.29*	
		For Clear Lacquer Finish, Add	*552.59*	
		For Baked Enamel Standard Colors, Add	*828.88*	
		For Anodized Finish, Add	*1,105.18*	
		For Kynar® Standard Colors Finish, Add	*1,519.62*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	741.76	53.00
		For Flange Frame, Add	*63.58*	
		For Clear Lacquer Finish, Add	*127.15*	
		For Baked Enamel Standard Colors, Add	*190.73*	
		For Anodized Finish, Add	*254.31*	
		For Kynar® Standard Colors Finish, Add	*349.67*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	987.88	70.66
		For Flange Frame, Add	*84.66*	
		For Clear Lacquer Finish, Add	*169.31*	
		For Baked Enamel Standard Colors, Add	*253.97*	
		For Anodized Finish, Add	*338.62*	
		For Kynar® Standard Colors Finish, Add	*465.61*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,172.27	81.26
		For Flange Frame, Add	*100.98*	
		For Clear Lacquer Finish, Add	*201.95*	
		For Baked Enamel Standard Colors, Add	*302.93*	
		For Anodized Finish, Add	*403.90*	
		For Kynar® Standard Colors Finish, Add	*555.36*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,373.65	91.86
		For Flange Frame, Add	*118.99*	
		For Clear Lacquer Finish, Add	*237.99*	
		For Baked Enamel Standard Colors, Add	*356.98*	
		For Anodized Finish, Add	*475.98*	
		For Kynar® Standard Colors Finish, Add	*654.47*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,553.25	98.92
		For Flange Frame, Add	*135.54*	
		For Clear Lacquer Finish, Add	*271.08*	
		For Baked Enamel Standard Colors, Add	*406.62*	
		For Anodized Finish, Add	*542.16*	
		For Kynar® Standard Colors Finish, Add	*745.47*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,739.91	109.52
		For Flange Frame, Add	*152.09*	
		For Clear Lacquer Finish, Add	*304.17*	
		For Baked Enamel Standard Colors, Add	*456.26*	
		For Anodized Finish, Add	*608.34*	
		For Kynar® Standard Colors Finish, Add	*836.47*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,962.57	116.59
		For Flange Frame, Add	*172.94*	
		For Clear Lacquer Finish, Add	*345.88*	
		For Baked Enamel Standard Colors, Add	*518.82*	
		For Anodized Finish, Add	*691.76*	
		For Kynar® Standard Colors Finish, Add	*951.16*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,153.76	127.19
		For Flange Frame, Add	*189.94*	
		For Clear Lacquer Finish, Add	*379.88*	
		For Baked Enamel Standard Colors, Add	*569.81*	
		For Anodized Finish, Add	*759.75*	
		For Kynar® Standard Colors Finish, Add	*1,044.66*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,310.68	134.26
		For Flange Frame, Add	*204.22*	
		For Clear Lacquer Finish, Add	*408.43*	
		For Baked Enamel Standard Colors, Add	*612.65*	
		For Anodized Finish, Add	*816.87*	
		For Kynar® Standard Colors Finish, Add	*1,123.19*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,484.01	148.39
		For Flange Frame, Add	*218.72*	
		For Clear Lacquer Finish, Add	*437.45*	
		For Baked Enamel Standard Colors, Add	*656.17*	
		For Anodized Finish, Add	*874.89*	
		For Kynar® Standard Colors Finish, Add	*1,202.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,649.13	158.99
		For Flange Frame, Add	*233.12*	
		For Clear Lacquer Finish, Add	*466.23*	
		For Baked Enamel Standard Colors, Add	*699.35*	
		For Anodized Finish, Add	*932.46*	
		For Kynar® Standard Colors Finish, Add	*1,282.14*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,855.91	166.06
		For Flange Frame, Add	*252.38*	
		For Clear Lacquer Finish, Add	*504.76*	
		For Baked Enamel Standard Colors, Add	*757.14*	
		For Anodized Finish, Add	*1,009.52*	
		For Kynar® Standard Colors Finish, Add	*1,388.10*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,035.51	173.12
		For Flange Frame, Add	*268.93*	
		For Clear Lacquer Finish, Add	*537.85*	
		For Baked Enamel Standard Colors, Add	*806.78*	
		For Anodized Finish, Add	*1,075.71*	
		For Kynar® Standard Colors Finish, Add	*1,479.10*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,253.90	183.71
		For Flange Frame, Add	*288.65*	
		For Clear Lacquer Finish, Add	*577.29*	
		For Baked Enamel Standard Colors, Add	*865.94*	
		For Anodized Finish, Add	*1,154.58*	
		For Kynar® Standard Colors Finish, Add	*1,587.55*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,428.10	194.31
		For Flange Frame, Add	*303.95*	
		For Clear Lacquer Finish, Add	*607.89*	
		For Baked Enamel Standard Colors, Add	*911.84*	
		For Anodized Finish, Add	*1,215.78*	
		For Kynar® Standard Colors Finish, Add	*1,671.70*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	812.55	60.06
		For Flange Frame, Add	*69.24*	
		For Clear Lacquer Finish, Add	*138.49*	
		For Baked Enamel Standard Colors, Add	*207.73*	
		For Anodized Finish, Add	*276.97*	
		For Kynar® Standard Colors Finish, Add	*380.84*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,099.48	77.72
		For Flange Frame, Add	*94.40*	
		For Clear Lacquer Finish, Add	*188.80*	
		For Baked Enamel Standard Colors, Add	*283.21*	
		For Anodized Finish, Add	*377.61*	
		For Kynar® Standard Colors Finish, Add	*519.21*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,285.01	88.32
		For Flange Frame, Add	*110.84*	
		For Clear Lacquer Finish, Add	*221.67*	
		For Baked Enamel Standard Colors, Add	*332.51*	
		For Anodized Finish, Add	*443.34*	
		For Kynar® Standard Colors Finish, Add	*609.59*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,505.66	98.92
		For Flange Frame, Add	*130.78*	
		For Clear Lacquer Finish, Add	*261.56*	
		For Baked Enamel Standard Colors, Add	*392.34*	
		For Anodized Finish, Add	*523.12*	
		For Kynar® Standard Colors Finish, Add	*719.30*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,709.61	107.40
		For Flange Frame, Add	*149.48*	
		For Clear Lacquer Finish, Add	*298.96*	
		For Baked Enamel Standard Colors, Add	*448.44*	
		For Anodized Finish, Add	*597.92*	
		For Kynar® Standard Colors Finish, Add	*822.14*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,901.37	116.59
		For Flange Frame, Add	*166.82*	
		For Clear Lacquer Finish, Add	*333.64*	
		For Baked Enamel Standard Colors, Add	*500.46*	
		For Anodized Finish, Add	*667.28*	
		For Kynar® Standard Colors Finish, Add	*917.50*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,150.09	123.66
		For Flange Frame, Add	*190.28*	
		For Clear Lacquer Finish, Add	*380.56*	
		For Baked Enamel Standard Colors, Add	*570.83*	
		For Anodized Finish, Add	*761.11*	
		For Kynar® Standard Colors Finish, Add	*1,046.53*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,365.08	134.26
		For Flange Frame, Add	*209.66*	
		For Clear Lacquer Finish, Add	*419.31*	
		For Baked Enamel Standard Colors, Add	*628.97*	
		For Anodized Finish, Add	*838.63*	
		For Kynar® Standard Colors Finish, Add	*1,153.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,540.40	144.86
		For Flange Frame, Add	*225.07*	
		For Clear Lacquer Finish, Add	*450.14*	
		For Baked Enamel Standard Colors, Add	*675.21*	
		For Anodized Finish, Add	*900.28*	
		For Kynar® Standard Colors Finish, Add	*1,237.88*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,720.25	155.46
		For Flange Frame, Add	*240.94*	
		For Clear Lacquer Finish, Add	*481.87*	
		For Baked Enamel Standard Colors, Add	*722.81*	
		For Anodized Finish, Add	*963.74*	
		For Kynar® Standard Colors Finish, Add	*1,325.14*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,905.78	166.06
		For Flange Frame, Add	*257.37*	
		For Clear Lacquer Finish, Add	*514.74*	
		For Baked Enamel Standard Colors, Add	*772.10*	
		For Anodized Finish, Add	*1,029.47*	
		For Kynar® Standard Colors Finish, Add	*1,415.52*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,131.84	173.12
		For Flange Frame, Add	*278.56*	
		For Clear Lacquer Finish, Add	*557.12*	
		For Baked Enamel Standard Colors, Add	*835.68*	
		For Anodized Finish, Add	*1,114.24*	
		For Kynar® Standard Colors Finish, Add	*1,532.08*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,325.03	180.19
		For Flange Frame, Add	*296.47*	
		For Clear Lacquer Finish, Add	*592.93*	
		For Baked Enamel Standard Colors, Add	*889.40*	
		For Anodized Finish, Add	*1,185.86*	
		For Kynar® Standard Colors Finish, Add	*1,630.56*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,571.75	190.78
		For Flange Frame, Add	*319.02*	
		For Clear Lacquer Finish, Add	*638.04*	
		For Baked Enamel Standard Colors, Add	*957.05*	
		For Anodized Finish, Add	*1,276.07*	
		For Kynar® Standard Colors Finish, Add	*1,754.60*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,756.15	201.38
		For Flange Frame, Add	*335.34*	
		For Clear Lacquer Finish, Add	*670.68*	
		For Baked Enamel Standard Colors, Add	*1,006.01*	
		For Anodized Finish, Add	*1,341.35*	
		For Kynar® Standard Colors Finish, Add	*1,844.36*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	929.82	67.12
		For Flange Frame, Add	*79.56*	
		For Clear Lacquer Finish, Add	*159.11*	
		For Baked Enamel Standard Colors, Add	*238.67*	
		For Anodized Finish, Add	*318.22*	
		For Kynar® Standard Colors Finish, Add	*437.56*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,186.14	84.79
		For Flange Frame, Add	*101.66*	
		For Clear Lacquer Finish, Add	*203.31*	
		For Baked Enamel Standard Colors, Add	*304.97*	
		For Anodized Finish, Add	*406.62*	
		For Kynar® Standard Colors Finish, Add	*559.10*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,392.06	95.39
		For Flange Frame, Add	*120.13*	
		For Clear Lacquer Finish, Add	*240.26*	
		For Baked Enamel Standard Colors, Add	*360.38*	
		For Anodized Finish, Add	*480.51*	
		For Kynar® Standard Colors Finish, Add	*660.70*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,627.72	109.52
		For Flange Frame, Add	*140.87*	
		For Clear Lacquer Finish, Add	*281.73*	
		For Baked Enamel Standard Colors, Add	*422.60*	
		For Anodized Finish, Add	*563.47*	
		For Kynar® Standard Colors Finish, Add	*774.77*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,844.70	116.59
		For Flange Frame, Add	*161.15*	
		For Clear Lacquer Finish, Add	*322.30*	
		For Baked Enamel Standard Colors, Add	*483.46*	
		For Anodized Finish, Add	*644.61*	
		For Kynar® Standard Colors Finish, Add	*886.34*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,050.36	123.66
		For Flange Frame, Add	*180.31*	
		For Clear Lacquer Finish, Add	*360.61*	
		For Baked Enamel Standard Colors, Add	*540.92*	
		For Anodized Finish, Add	*721.22*	
		For Kynar® Standard Colors Finish, Add	*991.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,320.62	130.72
		For Flange Frame, Add	*205.92*	
		For Clear Lacquer Finish, Add	*411.83*	
		For Baked Enamel Standard Colors, Add	*617.75*	
		For Anodized Finish, Add	*823.67*	
		For Kynar® Standard Colors Finish, Add	*1,132.54*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,539.01	141.32
		For Flange Frame, Add	*225.64*	
		For Clear Lacquer Finish, Add	*451.27*	
		For Baked Enamel Standard Colors, Add	*676.91*	
		For Anodized Finish, Add	*902.54*	
		For Kynar® Standard Colors Finish, Add	*1,241.00*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,735.86	151.92
		For Flange Frame, Add	*243.20*	
		For Clear Lacquer Finish, Add	*486.40*	
		For Baked Enamel Standard Colors, Add	*729.61*	
		For Anodized Finish, Add	*972.81*	
		For Kynar® Standard Colors Finish, Add	*1,337.61*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,920.25	162.52
		For Flange Frame, Add	*259.52*	
		For Clear Lacquer Finish, Add	*519.04*	
		For Baked Enamel Standard Colors, Add	*778.56*	
		For Anodized Finish, Add	*1,038.08*	
		For Kynar® Standard Colors Finish, Add	*1,427.37*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,121.64	173.12
		For Flange Frame, Add	*277.54*	
		For Clear Lacquer Finish, Add	*555.08*	
		For Baked Enamel Standard Colors, Add	*832.62*	
		For Anodized Finish, Add	*1,110.16*	
		For Kynar® Standard Colors Finish, Add	*1,526.47*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,364.70	180.19
		For Flange Frame, Add	*300.43*	
		For Clear Lacquer Finish, Add	*600.87*	
		For Baked Enamel Standard Colors, Add	*901.30*	
		For Anodized Finish, Add	*1,201.73*	
		For Kynar® Standard Colors Finish, Add	*1,652.38*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,576.02	187.25
		For Flange Frame, Add	*320.15*	
		For Clear Lacquer Finish, Add	*640.30*	
		For Baked Enamel Standard Colors, Add	*960.46*	
		For Anodized Finish, Add	*1,280.61*	
		For Kynar® Standard Colors Finish, Add	*1,760.84*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,852.20	197.85
		For Flange Frame, Add	*345.65*	
		For Clear Lacquer Finish, Add	*691.30*	
		For Baked Enamel Standard Colors, Add	*1,036.95*	
		For Anodized Finish, Add	*1,382.60*	
		For Kynar® Standard Colors Finish, Add	*1,901.08*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,044.53	208.45
		For Flange Frame, Add	*362.76*	
		For Clear Lacquer Finish, Add	*725.53*	
		For Baked Enamel Standard Colors, Add	*1,088.29*	
		For Anodized Finish, Add	*1,451.05*	
		For Kynar® Standard Colors Finish, Add	*1,995.20*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,006.28	74.19
		For Flange Frame, Add	*85.79*	
		For Clear Lacquer Finish, Add	*171.58*	
		For Baked Enamel Standard Colors, Add	*257.37*	
		For Anodized Finish, Add	*343.16*	
		For Kynar® Standard Colors Finish, Add	*471.84*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,278.46	91.86
		For Flange Frame, Add	*109.48*	
		For Clear Lacquer Finish, Add	*218.95*	
		For Baked Enamel Standard Colors, Add	*328.43*	
		For Anodized Finish, Add	*437.90*	
		For Kynar® Standard Colors Finish, Add	*602.11*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,512.99	105.99
		For Flange Frame, Add	*130.10*	
		For Clear Lacquer Finish, Add	*260.20*	
		For Baked Enamel Standard Colors, Add	*390.30*	
		For Anodized Finish, Add	*520.40*	
		For Kynar® Standard Colors Finish, Add	*715.56*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,754.04	116.59
		For Flange Frame, Add	*152.09*	
		For Clear Lacquer Finish, Add	*304.17*	
		For Baked Enamel Standard Colors, Add	*456.26*	
		For Anodized Finish, Add	*608.34*	
		For Kynar® Standard Colors Finish, Add	*836.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,993.69	123.66
		For Flange Frame, Add	*174.64*	
		For Clear Lacquer Finish, Add	*349.28*	
		For Baked Enamel Standard Colors, Add	*523.91*	
		For Anodized Finish, Add	*698.55*	
		For Kynar® Standard Colors Finish, Add	*960.51*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,225.42	130.72
		For Flange Frame, Add	*196.40*	
		For Clear Lacquer Finish, Add	*392.79*	
		For Baked Enamel Standard Colors, Add	*589.19*	
		For Anodized Finish, Add	*785.59*	
		For Kynar® Standard Colors Finish, Add	*1,080.18*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,514.08	141.32
		For Flange Frame, Add	*223.14*	
		For Clear Lacquer Finish, Add	*446.29*	
		For Baked Enamel Standard Colors, Add	*669.43*	
		For Anodized Finish, Add	*892.57*	
		For Kynar® Standard Colors Finish, Add	*1,227.29*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,752.86	151.92
		For Flange Frame, Add	*244.90*	
		For Clear Lacquer Finish, Add	*489.80*	
		For Baked Enamel Standard Colors, Add	*734.71*	
		For Anodized Finish, Add	*979.61*	
		For Kynar® Standard Colors Finish, Add	*1,346.96*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,959.92	162.52
		For Flange Frame, Add	*263.49*	
		For Clear Lacquer Finish, Add	*526.98*	
		For Baked Enamel Standard Colors, Add	*790.46*	
		For Anodized Finish, Add	*1,053.95*	
		For Kynar® Standard Colors Finish, Add	*1,449.18*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,170.37	173.12
		For Flange Frame, Add	*282.41*	
		For Clear Lacquer Finish, Add	*564.83*	
		For Baked Enamel Standard Colors, Add	*847.24*	
		For Anodized Finish, Add	*1,129.65*	
		For Kynar® Standard Colors Finish, Add	*1,553.27*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,376.30	183.71
		For Flange Frame, Add	*300.89*	
		For Clear Lacquer Finish, Add	*601.77*	
		For Baked Enamel Standard Colors, Add	*902.66*	
		For Anodized Finish, Add	*1,203.54*	
		For Kynar® Standard Colors Finish, Add	*1,654.87*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,651.08	190.78
		For Flange Frame, Add	*326.95*	
		For Clear Lacquer Finish, Add	*653.90*	
		For Baked Enamel Standard Colors, Add	*980.85*	
		For Anodized Finish, Add	*1,307.80*	
		For Kynar® Standard Colors Finish, Add	*1,798.23*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,879.40	197.85
		For Flange Frame, Add	*348.37*	
		For Clear Lacquer Finish, Add	*696.74*	
		For Baked Enamel Standard Colors, Add	*1,045.11*	
		For Anodized Finish, Add	*1,393.48*	
		For Kynar® Standard Colors Finish, Add	*1,916.04*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,161.00	204.91
		For Flange Frame, Add	*375.12*	
		For Clear Lacquer Finish, Add	*750.23*	
		For Baked Enamel Standard Colors, Add	*1,125.35*	
		For Anodized Finish, Add	*1,500.46*	
		For Kynar® Standard Colors Finish, Add	*2,063.14*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,372.58	215.51
		For Flange Frame, Add	*394.16*	
		For Clear Lacquer Finish, Add	*788.31*	
		For Baked Enamel Standard Colors, Add	*1,182.47*	
		For Anodized Finish, Add	*1,576.62*	
		For Kynar® Standard Colors Finish, Add	*2,167.85*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,168.01	84.79
		For Flange Frame, Add	*99.84*	
		For Clear Lacquer Finish, Add	*199.68*	
		For Baked Enamel Standard Colors, Add	*299.53*	
		For Anodized Finish, Add	*399.37*	
		For Kynar® Standard Colors Finish, Add	*549.13*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,496.85	102.46
		For Flange Frame, Add	*129.19*	
		For Clear Lacquer Finish, Add	*258.39*	
		For Baked Enamel Standard Colors, Add	*387.58*	
		For Anodized Finish, Add	*516.78*	
		For Kynar® Standard Colors Finish, Add	*710.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,754.31	120.12
		For Flange Frame, Add	*151.41*	
		For Clear Lacquer Finish, Add	*302.81*	
		For Baked Enamel Standard Colors, Add	*454.22*	
		For Anodized Finish, Add	*605.62*	
		For Kynar® Standard Colors Finish, Add	*832.73*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,014.36	127.19
		For Flange Frame, Add	*176.00*	
		For Clear Lacquer Finish, Add	*352.00*	
		For Baked Enamel Standard Colors, Add	*527.99*	
		For Anodized Finish, Add	*703.99*	
		For Kynar® Standard Colors Finish, Add	*967.99*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,297.08	134.26
		For Flange Frame, Add	*202.86*	
		For Clear Lacquer Finish, Add	*405.71*	
		For Baked Enamel Standard Colors, Add	*608.57*	
		For Anodized Finish, Add	*811.43*	
		For Kynar® Standard Colors Finish, Add	*1,115.71*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,550.34	141.32
		For Flange Frame, Add	*226.77*	
		For Clear Lacquer Finish, Add	*453.54*	
		For Baked Enamel Standard Colors, Add	*680.31*	
		For Anodized Finish, Add	*907.08*	
		For Kynar® Standard Colors Finish, Add	*1,247.23*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,885.45	151.92
		For Flange Frame, Add	*258.16*	
		For Clear Lacquer Finish, Add	*516.32*	
		For Baked Enamel Standard Colors, Add	*774.48*	
		For Anodized Finish, Add	*1,032.64*	
		For Kynar® Standard Colors Finish, Add	*1,419.89*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,211.50	162.52
		For Flange Frame, Add	*288.65*	
		For Clear Lacquer Finish, Add	*577.29*	
		For Baked Enamel Standard Colors, Add	*865.94*	
		For Anodized Finish, Add	*1,154.58*	
		For Kynar® Standard Colors Finish, Add	*1,587.55*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,455.96	173.12
		For Flange Frame, Add	*310.97*	
		For Clear Lacquer Finish, Add	*621.94*	
		For Baked Enamel Standard Colors, Add	*932.92*	
		For Anodized Finish, Add	*1,243.89*	
		For Kynar® Standard Colors Finish, Add	*1,710.35*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,697.02	183.71
		For Flange Frame, Add	*332.96*	
		For Clear Lacquer Finish, Add	*665.92*	
		For Baked Enamel Standard Colors, Add	*998.87*	
		For Anodized Finish, Add	*1,331.83*	
		For Kynar® Standard Colors Finish, Add	*1,831.27*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,928.74	190.78
		For Flange Frame, Add	*354.72*	
		For Clear Lacquer Finish, Add	*709.43*	
		For Baked Enamel Standard Colors, Add	*1,064.15*	
		For Anodized Finish, Add	*1,418.87*	
		For Kynar® Standard Colors Finish, Add	*1,950.94*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,235.25	197.85
		For Flange Frame, Add	*383.96*	
		For Clear Lacquer Finish, Add	*767.91*	
		For Baked Enamel Standard Colors, Add	*1,151.87*	
		For Anodized Finish, Add	*1,535.82*	
		For Kynar® Standard Colors Finish, Add	*2,111.75*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,490.78	204.91
		For Flange Frame, Add	*408.09*	
		For Clear Lacquer Finish, Add	*816.19*	
		For Baked Enamel Standard Colors, Add	*1,224.28*	
		For Anodized Finish, Add	*1,632.38*	
		For Kynar® Standard Colors Finish, Add	*2,244.52*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,819.95	211.98
		For Flange Frame, Add	*439.60*	
		For Clear Lacquer Finish, Add	*879.20*	
		For Baked Enamel Standard Colors, Add	*1,318.80*	
		For Anodized Finish, Add	*1,758.40*	
		For Kynar® Standard Colors Finish, Add	*2,417.79*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,066.68	222.58
		For Flange Frame, Add	*462.15*	
		For Clear Lacquer Finish, Add	*924.30*	
		For Baked Enamel Standard Colors, Add	*1,386.46*	
		For Anodized Finish, Add	*1,848.61*	
		For Kynar® Standard Colors Finish, Add	*2,541.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,239.93	91.86
		For Flange Frame, Add	*105.62*	
		For Clear Lacquer Finish, Add	*211.24*	
		For Baked Enamel Standard Colors, Add	*316.87*	
		For Anodized Finish, Add	*422.49*	
		For Kynar® Standard Colors Finish, Add	*580.92*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,596.25	113.06
		For Flange Frame, Add	*137.01*	
		For Clear Lacquer Finish, Add	*274.03*	
		For Baked Enamel Standard Colors, Add	*411.04*	
		For Anodized Finish, Add	*548.06*	
		For Kynar® Standard Colors Finish, Add	*753.58*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,859.10	127.19
		For Flange Frame, Add	*160.47*	
		For Clear Lacquer Finish, Add	*320.94*	
		For Baked Enamel Standard Colors, Add	*481.42*	
		For Anodized Finish, Add	*641.89*	
		For Kynar® Standard Colors Finish, Add	*882.60*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,145.22	134.26
		For Flange Frame, Add	*187.67*	
		For Clear Lacquer Finish, Add	*375.34*	
		For Baked Enamel Standard Colors, Add	*563.01*	
		For Anodized Finish, Add	*750.68*	
		For Kynar® Standard Colors Finish, Add	*1,032.19*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,445.21	144.86
		For Flange Frame, Add	*215.55*	
		For Clear Lacquer Finish, Add	*431.10*	
		For Baked Enamel Standard Colors, Add	*646.65*	
		For Anodized Finish, Add	*862.20*	
		For Kynar® Standard Colors Finish, Add	*1,185.53*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,713.19	151.92
		For Flange Frame, Add	*240.94*	
		For Clear Lacquer Finish, Add	*481.87*	
		For Baked Enamel Standard Colors, Add	*722.81*	
		For Anodized Finish, Add	*963.74*	
		For Kynar® Standard Colors Finish, Add	*1,325.14*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,072.11	162.52
		For Flange Frame, Add	*274.71*	
		For Clear Lacquer Finish, Add	*549.41*	
		For Baked Enamel Standard Colors, Add	*824.12*	
		For Anodized Finish, Add	*1,098.83*	
		For Kynar® Standard Colors Finish, Add	*1,510.89*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,407.23	173.12
		For Flange Frame, Add	*306.10*	
		For Clear Lacquer Finish, Add	*612.20*	
		For Baked Enamel Standard Colors, Add	*918.30*	
		For Anodized Finish, Add	*1,224.40*	
		For Kynar® Standard Colors Finish, Add	*1,683.54*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,668.68	183.71
		For Flange Frame, Add	*330.12*	
		For Clear Lacquer Finish, Add	*660.25*	
		For Baked Enamel Standard Colors, Add	*990.37*	
		For Anodized Finish, Add	*1,320.50*	
		For Kynar® Standard Colors Finish, Add	*1,815.68*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,925.61	194.31
		For Flange Frame, Add	*353.70*	
		For Clear Lacquer Finish, Add	*707.39*	
		For Baked Enamel Standard Colors, Add	*1,061.09*	
		For Anodized Finish, Add	*1,414.79*	
		For Kynar® Standard Colors Finish, Add	*1,945.33*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,172.06	201.38
		For Flange Frame, Add	*376.93*	
		For Clear Lacquer Finish, Add	*753.86*	
		For Baked Enamel Standard Colors, Add	*1,130.79*	
		For Anodized Finish, Add	*1,507.72*	
		For Kynar® Standard Colors Finish, Add	*2,073.11*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,504.64	208.45
		For Flange Frame, Add	*408.77*	
		For Clear Lacquer Finish, Add	*817.55*	
		For Baked Enamel Standard Colors, Add	*1,226.32*	
		For Anodized Finish, Add	*1,635.10*	
		For Kynar® Standard Colors Finish, Add	*2,248.26*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,772.63	215.51
		For Flange Frame, Add	*434.16*	
		For Clear Lacquer Finish, Add	*868.32*	
		For Baked Enamel Standard Colors, Add	*1,302.48*	
		For Anodized Finish, Add	*1,736.64*	
		For Kynar® Standard Colors Finish, Add	*2,387.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	5,118.81	222.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*467.37*	
		For Clear Lacquer Finish, Add	*934.73*	
		For Baked Enamel Standard Colors, Add	*1,402.10*	
		For Anodized Finish, Add	*1,869.46*	
		For Kynar® Standard Colors Finish, Add	*2,570.51*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	5,373.19	229.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*491.39*	
		For Clear Lacquer Finish, Add	*982.78*	
		For Baked Enamel Standard Colors, Add	*1,474.17*	
		For Anodized Finish, Add	*1,965.56*	
		For Kynar® Standard Colors Finish, Add	*2,702.65*	
08 91 16 00-0137		Adjustable Intake Wall Louvers Operators *(08 91 16)*		
08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	315.45	35.33
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	683.31	14.13
08 91 19		**Fixed Louvers** *(08 91)*		
08 91 19 00-0001		Fixed Intake Wall Louvers *(08 91 19)*		
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	405.84	31.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*34.23*	
		For Clear Lacquer Finish, Add	*68.45*	
		For Baked Enamel Standard Colors, Add	*102.68*	
		For Anodized Finish, Add	*136.90*	
		For Kynar® Standard Colors Finish, Add	*188.24*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	482.30	38.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.46*	
		For Clear Lacquer Finish, Add	*80.92*	
		For Baked Enamel Standard Colors, Add	*121.37*	
		For Anodized Finish, Add	*161.83*	
		For Kynar® Standard Colors Finish, Add	*222.52*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	559.90	45.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.80*	
		For Clear Lacquer Finish, Add	*93.61*	
		For Baked Enamel Standard Colors, Add	*140.41*	
		For Anodized Finish, Add	*187.22*	
		For Kynar® Standard Colors Finish, Add	*257.42*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	656.76	53.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.08*	
		For Clear Lacquer Finish, Add	*110.15*	
		For Baked Enamel Standard Colors, Add	*165.23*	
		For Anodized Finish, Add	*220.31*	
		For Kynar® Standard Colors Finish, Add	*302.92*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	738.89	60.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*61.88*	
		For Clear Lacquer Finish, Add	*123.75*	
		For Baked Enamel Standard Colors, Add	*185.63*	
		For Anodized Finish, Add	*247.51*	
		For Kynar® Standard Colors Finish, Add	*340.32*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	870.89	67.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.66*	
		For Clear Lacquer Finish, Add	*147.33*	
		For Baked Enamel Standard Colors, Add	*220.99*	
		For Anodized Finish, Add	*294.65*	
		For Kynar® Standard Colors Finish, Add	*405.15*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	943.95	74.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*79.56*	
		For Clear Lacquer Finish, Add	*159.11*	
		For Baked Enamel Standard Colors, Add	*238.67*	
		For Anodized Finish, Add	*318.22*	
		For Kynar® Standard Colors Finish, Add	*437.56*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,055.81	84.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.62*	
		For Clear Lacquer Finish, Add	*177.24*	
		For Baked Enamel Standard Colors, Add	*265.87*	
		For Anodized Finish, Add	*354.49*	
		For Kynar® Standard Colors Finish, Add	*487.42*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,123.20	91.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*93.95*	
		For Clear Lacquer Finish, Add	*187.90*	
		For Baked Enamel Standard Colors, Add	*281.85*	
		For Anodized Finish, Add	*375.80*	
		For Kynar® Standard Colors Finish, Add	*516.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,214.40	98.92
		For Flange Frame, Add	*101.66*	
		For Clear Lacquer Finish, Add	*203.31*	
		For Baked Enamel Standard Colors, Add	*304.97*	
		For Anodized Finish, Add	*406.62*	
		For Kynar® Standard Colors Finish, Add	*559.10*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,294.26	105.99
		For Flange Frame, Add	*108.23*	
		For Clear Lacquer Finish, Add	*216.46*	
		For Baked Enamel Standard Colors, Add	*324.68*	
		For Anodized Finish, Add	*432.91*	
		For Kynar® Standard Colors Finish, Add	*595.25*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,388.86	113.06
		For Flange Frame, Add	*116.28*	
		For Clear Lacquer Finish, Add	*232.55*	
		For Baked Enamel Standard Colors, Add	*348.83*	
		For Anodized Finish, Add	*465.10*	
		For Kynar® Standard Colors Finish, Add	*639.51*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,477.79	120.12
		For Flange Frame, Add	*123.75*	
		For Clear Lacquer Finish, Add	*247.51*	
		For Baked Enamel Standard Colors, Add	*371.26*	
		For Anodized Finish, Add	*495.02*	
		For Kynar® Standard Colors Finish, Add	*680.65*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,557.92	130.72
		For Flange Frame, Add	*129.65*	
		For Clear Lacquer Finish, Add	*259.29*	
		For Baked Enamel Standard Colors, Add	*388.94*	
		For Anodized Finish, Add	*518.59*	
		For Kynar® Standard Colors Finish, Add	*713.06*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,664.12	141.32
		For Flange Frame, Add	*138.15*	
		For Clear Lacquer Finish, Add	*276.29*	
		For Baked Enamel Standard Colors, Add	*414.44*	
		For Anodized Finish, Add	*552.59*	
		For Kynar® Standard Colors Finish, Add	*759.81*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	472.10	38.87
		For Flange Frame, Add	*39.44*	
		For Clear Lacquer Finish, Add	*78.88*	
		For Baked Enamel Standard Colors, Add	*118.31*	
		For Anodized Finish, Add	*157.75*	
		For Kynar® Standard Colors Finish, Add	*216.91*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	566.96	49.47
		For Flange Frame, Add	*46.80*	
		For Clear Lacquer Finish, Add	*93.61*	
		For Baked Enamel Standard Colors, Add	*140.41*	
		For Anodized Finish, Add	*187.22*	
		For Kynar® Standard Colors Finish, Add	*257.42*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	657.03	56.53
		For Flange Frame, Add	*54.40*	
		For Clear Lacquer Finish, Add	*108.79*	
		For Baked Enamel Standard Colors, Add	*163.19*	
		For Anodized Finish, Add	*217.59*	
		For Kynar® Standard Colors Finish, Add	*299.18*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	823.55	70.66
		For Flange Frame, Add	*68.22*	
		For Clear Lacquer Finish, Add	*136.45*	
		For Baked Enamel Standard Colors, Add	*204.67*	
		For Anodized Finish, Add	*272.89*	
		For Kynar® Standard Colors Finish, Add	*375.23*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	944.22	77.72
		For Flange Frame, Add	*78.88*	
		For Clear Lacquer Finish, Add	*157.75*	
		For Baked Enamel Standard Colors, Add	*236.63*	
		For Anodized Finish, Add	*315.50*	
		For Kynar® Standard Colors Finish, Add	*433.82*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,051.28	84.79
		For Flange Frame, Add	*88.17*	
		For Clear Lacquer Finish, Add	*176.34*	
		For Baked Enamel Standard Colors, Add	*264.51*	
		For Anodized Finish, Add	*352.68*	
		For Kynar® Standard Colors Finish, Add	*484.93*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,127.73	91.86
		For Flange Frame, Add	*94.40*	
		For Clear Lacquer Finish, Add	*188.80*	
		For Baked Enamel Standard Colors, Add	*283.21*	
		For Anodized Finish, Add	*377.61*	
		For Kynar® Standard Colors Finish, Add	*519.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,255.46	102.46
		For Flange Frame, Add	*105.06*	
		For Clear Lacquer Finish, Add	*210.11*	
		For Baked Enamel Standard Colors, Add	*315.17*	
		For Anodized Finish, Add	*420.22*	
		For Kynar® Standard Colors Finish, Add	*577.80*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,345.79	113.06
		For Flange Frame, Add	*111.97*	
		For Clear Lacquer Finish, Add	*223.94*	
		For Baked Enamel Standard Colors, Add	*335.90*	
		For Anodized Finish, Add	*447.87*	
		For Kynar® Standard Colors Finish, Add	*615.82*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,461.93	120.12
		For Flange Frame, Add	*122.17*	
		For Clear Lacquer Finish, Add	*244.34*	
		For Baked Enamel Standard Colors, Add	*366.50*	
		For Anodized Finish, Add	*488.67*	
		For Kynar® Standard Colors Finish, Add	*671.92*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,550.85	127.19
		For Flange Frame, Add	*129.65*	
		For Clear Lacquer Finish, Add	*259.29*	
		For Baked Enamel Standard Colors, Add	*388.94*	
		For Anodized Finish, Add	*518.59*	
		For Kynar® Standard Colors Finish, Add	*713.06*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,649.98	134.26
		For Flange Frame, Add	*138.15*	
		For Clear Lacquer Finish, Add	*276.29*	
		For Baked Enamel Standard Colors, Add	*414.44*	
		For Anodized Finish, Add	*552.59*	
		For Kynar® Standard Colors Finish, Add	*759.81*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,753.65	141.32
		For Flange Frame, Add	*147.10*	
		For Clear Lacquer Finish, Add	*294.20*	
		For Baked Enamel Standard Colors, Add	*441.30*	
		For Anodized Finish, Add	*588.40*	
		For Kynar® Standard Colors Finish, Add	*809.05*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,846.23	151.92
		For Flange Frame, Add	*154.24*	
		For Clear Lacquer Finish, Add	*308.48*	
		For Baked Enamel Standard Colors, Add	*462.72*	
		For Anodized Finish, Add	*616.96*	
		For Kynar® Standard Colors Finish, Add	*848.31*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,973.96	162.52
		For Flange Frame, Add	*164.89*	
		For Clear Lacquer Finish, Add	*329.78*	
		For Baked Enamel Standard Colors, Add	*494.68*	
		For Anodized Finish, Add	*659.57*	
		For Kynar® Standard Colors Finish, Add	*906.91*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	546.31	45.93
		For Flange Frame, Add	*45.45*	
		For Clear Lacquer Finish, Add	*90.89*	
		For Baked Enamel Standard Colors, Add	*136.34*	
		For Anodized Finish, Add	*181.78*	
		For Kynar® Standard Colors Finish, Add	*249.95*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	651.37	56.53
		For Flange Frame, Add	*53.83*	
		For Clear Lacquer Finish, Add	*107.66*	
		For Baked Enamel Standard Colors, Add	*161.49*	
		For Anodized Finish, Add	*215.32*	
		For Kynar® Standard Colors Finish, Add	*296.07*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	806.30	67.12
		For Flange Frame, Add	*67.20*	
		For Clear Lacquer Finish, Add	*134.41*	
		For Baked Enamel Standard Colors, Add	*201.61*	
		For Anodized Finish, Add	*268.82*	
		For Kynar® Standard Colors Finish, Add	*369.62*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	951.28	81.26
		For Flange Frame, Add	*78.88*	
		For Clear Lacquer Finish, Add	*157.75*	
		For Baked Enamel Standard Colors, Add	*236.63*	
		For Anodized Finish, Add	*315.50*	
		For Kynar® Standard Colors Finish, Add	*433.82*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,087.82	88.32
		For Flange Frame, Add	*91.12*	
		For Clear Lacquer Finish, Add	*182.23*	
		For Baked Enamel Standard Colors, Add	*273.35*	
		For Anodized Finish, Add	*364.46*	
		For Kynar® Standard Colors Finish, Add	*501.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,214.13	95.39
		For Flange Frame, Add	*102.34*	
		For Clear Lacquer Finish, Add	*204.67*	
		For Baked Enamel Standard Colors, Add	*307.01*	
		For Anodized Finish, Add	*409.34*	
		For Kynar® Standard Colors Finish, Add	*562.84*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,320.33	105.99
		For Flange Frame, Add	*110.84*	
		For Clear Lacquer Finish, Add	*221.67*	
		For Baked Enamel Standard Colors, Add	*332.51*	
		For Anodized Finish, Add	*443.34*	
		For Kynar® Standard Colors Finish, Add	*609.59*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,461.93	120.12
		For Flange Frame, Add	*122.17*	
		For Clear Lacquer Finish, Add	*244.34*	
		For Baked Enamel Standard Colors, Add	*366.50*	
		For Anodized Finish, Add	*488.67*	
		For Kynar® Standard Colors Finish, Add	*671.92*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,555.39	127.19
		For Flange Frame, Add	*130.10*	
		For Clear Lacquer Finish, Add	*260.20*	
		For Baked Enamel Standard Colors, Add	*390.30*	
		For Anodized Finish, Add	*520.40*	
		For Kynar® Standard Colors Finish, Add	*715.56*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,709.45	141.32
		For Flange Frame, Add	*142.68*	
		For Clear Lacquer Finish, Add	*285.36*	
		For Baked Enamel Standard Colors, Add	*428.04*	
		For Anodized Finish, Add	*570.72*	
		For Kynar® Standard Colors Finish, Add	*784.74*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,806.31	148.39
		For Flange Frame, Add	*150.95*	
		For Clear Lacquer Finish, Add	*301.91*	
		For Baked Enamel Standard Colors, Add	*452.86*	
		For Anodized Finish, Add	*603.81*	
		For Kynar® Standard Colors Finish, Add	*830.24*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,931.49	155.46
		For Flange Frame, Add	*162.06*	
		For Clear Lacquer Finish, Add	*324.12*	
		For Baked Enamel Standard Colors, Add	*486.18*	
		For Anodized Finish, Add	*648.24*	
		For Kynar® Standard Colors Finish, Add	*891.32*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,054.43	162.52
		For Flange Frame, Add	*172.94*	
		For Clear Lacquer Finish, Add	*345.88*	
		For Baked Enamel Standard Colors, Add	*518.82*	
		For Anodized Finish, Add	*691.76*	
		For Kynar® Standard Colors Finish, Add	*951.16*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,149.29	173.12
		For Flange Frame, Add	*180.31*	
		For Clear Lacquer Finish, Add	*360.61*	
		For Baked Enamel Standard Colors, Add	*540.92*	
		For Anodized Finish, Add	*721.22*	
		For Kynar® Standard Colors Finish, Add	*991.68*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,304.22	183.71
		For Flange Frame, Add	*193.68*	
		For Clear Lacquer Finish, Add	*387.36*	
		For Baked Enamel Standard Colors, Add	*581.03*	
		For Anodized Finish, Add	*774.71*	
		For Kynar® Standard Colors Finish, Add	*1,065.23*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	612.57	53.00
		For Flange Frame, Add	*50.66*	
		For Clear Lacquer Finish, Add	*101.32*	
		For Baked Enamel Standard Colors, Add	*151.97*	
		For Anodized Finish, Add	*202.63*	
		For Kynar® Standard Colors Finish, Add	*278.62*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	792.96	70.66
		For Flange Frame, Add	*65.16*	
		For Clear Lacquer Finish, Add	*130.33*	
		For Baked Enamel Standard Colors, Add	*195.49*	
		For Anodized Finish, Add	*260.66*	
		For Kynar® Standard Colors Finish, Add	*358.40*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	925.22	81.26
		For Flange Frame, Add	*76.27*	
		For Clear Lacquer Finish, Add	*152.54*	
		For Baked Enamel Standard Colors, Add	*228.81*	
		For Anodized Finish, Add	*305.08*	
		For Kynar® Standard Colors Finish, Add	*419.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,079.00	91.86
		For Flange Frame, Add	*89.53*	
		For Clear Lacquer Finish, Add	*179.06*	
		For Baked Enamel Standard Colors, Add	*268.59*	
		For Anodized Finish, Add	*358.12*	
		For Kynar® Standard Colors Finish, Add	*492.41*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,242.73	98.92
		For Flange Frame, Add	*104.49*	
		For Clear Lacquer Finish, Add	*208.98*	
		For Baked Enamel Standard Colors, Add	*313.46*	
		For Anodized Finish, Add	*417.95*	
		For Kynar® Standard Colors Finish, Add	*574.68*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,381.80	109.52
		For Flange Frame, Add	*116.28*	
		For Clear Lacquer Finish, Add	*232.55*	
		For Baked Enamel Standard Colors, Add	*348.83*	
		For Anodized Finish, Add	*465.10*	
		For Kynar® Standard Colors Finish, Add	*639.51*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,485.45	116.59
		For Flange Frame, Add	*125.23*	
		For Clear Lacquer Finish, Add	*250.45*	
		For Baked Enamel Standard Colors, Add	*375.68*	
		For Anodized Finish, Add	*500.91*	
		For Kynar® Standard Colors Finish, Add	*688.75*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,631.32	127.19
		For Flange Frame, Add	*137.69*	
		For Clear Lacquer Finish, Add	*275.39*	
		For Baked Enamel Standard Colors, Add	*413.08*	
		For Anodized Finish, Add	*550.78*	
		For Kynar® Standard Colors Finish, Add	*757.32*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,747.44	134.26
		For Flange Frame, Add	*147.89*	
		For Clear Lacquer Finish, Add	*295.79*	
		For Baked Enamel Standard Colors, Add	*443.68*	
		For Anodized Finish, Add	*591.57*	
		For Kynar® Standard Colors Finish, Add	*813.41*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,925.30	148.39
		For Flange Frame, Add	*162.85*	
		For Clear Lacquer Finish, Add	*325.70*	
		For Baked Enamel Standard Colors, Add	*488.56*	
		For Anodized Finish, Add	*651.41*	
		For Kynar® Standard Colors Finish, Add	*895.69*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,039.42	158.99
		For Flange Frame, Add	*172.15*	
		For Clear Lacquer Finish, Add	*344.29*	
		For Baked Enamel Standard Colors, Add	*516.44*	
		For Anodized Finish, Add	*688.58*	
		For Kynar® Standard Colors Finish, Add	*946.80*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,172.55	166.06
		For Flange Frame, Add	*184.05*	
		For Clear Lacquer Finish, Add	*368.09*	
		For Baked Enamel Standard Colors, Add	*552.14*	
		For Anodized Finish, Add	*736.18*	
		For Kynar® Standard Colors Finish, Add	*1,012.25*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,304.55	173.12
		For Flange Frame, Add	*195.83*	
		For Clear Lacquer Finish, Add	*391.66*	
		For Baked Enamel Standard Colors, Add	*587.49*	
		For Anodized Finish, Add	*783.32*	
		For Kynar® Standard Colors Finish, Add	*1,077.07*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,416.41	183.71
		For Flange Frame, Add	*204.90*	
		For Clear Lacquer Finish, Add	*409.79*	
		For Baked Enamel Standard Colors, Add	*614.69*	
		For Anodized Finish, Add	*819.59*	
		For Kynar® Standard Colors Finish, Add	*1,126.93*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,591.74	194.31
		For Flange Frame, Add	*220.31*	
		For Clear Lacquer Finish, Add	*440.62*	
		For Baked Enamel Standard Colors, Add	*660.93*	
		For Anodized Finish, Add	*881.24*	
		For Kynar® Standard Colors Finish, Add	*1,211.71*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	679.96	60.06
		For Flange Frame, Add	*55.98*	
		For Clear Lacquer Finish, Add	*111.97*	
		For Baked Enamel Standard Colors, Add	*167.95*	
		For Anodized Finish, Add	*223.94*	
		For Kynar® Standard Colors Finish, Add	*307.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	892.09	77.72
		For Flange Frame, Add	*73.66*	
		For Clear Lacquer Finish, Add	*147.33*	
		For Baked Enamel Standard Colors, Add	*220.99*	
		For Anodized Finish, Add	*294.65*	
		For Kynar® Standard Colors Finish, Add	*405.15*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,031.15	88.32
		For Flange Frame, Add	*85.45*	
		For Clear Lacquer Finish, Add	*170.90*	
		For Baked Enamel Standard Colors, Add	*256.35*	
		For Anodized Finish, Add	*341.80*	
		For Kynar® Standard Colors Finish, Add	*469.97*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,196.27	98.92
		For Flange Frame, Add	*99.84*	
		For Clear Lacquer Finish, Add	*199.68*	
		For Baked Enamel Standard Colors, Add	*299.53*	
		For Anodized Finish, Add	*399.37*	
		For Kynar® Standard Colors Finish, Add	*549.13*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,380.96	107.40
		For Flange Frame, Add	*116.62*	
		For Clear Lacquer Finish, Add	*233.23*	
		For Baked Enamel Standard Colors, Add	*349.85*	
		For Anodized Finish, Add	*466.46*	
		For Kynar® Standard Colors Finish, Add	*641.38*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,525.12	116.59
		For Flange Frame, Add	*129.19*	
		For Clear Lacquer Finish, Add	*258.39*	
		For Baked Enamel Standard Colors, Add	*387.58*	
		For Anodized Finish, Add	*516.78*	
		For Kynar® Standard Colors Finish, Add	*710.57*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,649.18	123.66
		For Flange Frame, Add	*140.19*	
		For Clear Lacquer Finish, Add	*280.37*	
		For Baked Enamel Standard Colors, Add	*420.56*	
		For Anodized Finish, Add	*560.75*	
		For Kynar® Standard Colors Finish, Add	*771.03*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,815.44	134.26
		For Flange Frame, Add	*154.69*	
		For Clear Lacquer Finish, Add	*309.39*	
		For Baked Enamel Standard Colors, Add	*464.08*	
		For Anodized Finish, Add	*618.77*	
		For Kynar® Standard Colors Finish, Add	*850.81*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,942.03	144.86
		For Flange Frame, Add	*165.23*	
		For Clear Lacquer Finish, Add	*330.46*	
		For Baked Enamel Standard Colors, Add	*495.70*	
		For Anodized Finish, Add	*660.93*	
		For Kynar® Standard Colors Finish, Add	*908.78*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,141.15	155.46
		For Flange Frame, Add	*183.03*	
		For Clear Lacquer Finish, Add	*366.05*	
		For Baked Enamel Standard Colors, Add	*549.08*	
		For Anodized Finish, Add	*732.10*	
		For Kynar® Standard Colors Finish, Add	*1,006.64*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,273.41	166.06
		For Flange Frame, Add	*194.13*	
		For Clear Lacquer Finish, Add	*388.26*	
		For Baked Enamel Standard Colors, Add	*582.39*	
		For Anodized Finish, Add	*776.52*	
		For Kynar® Standard Colors Finish, Add	*1,067.72*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,415.61	173.12
		For Flange Frame, Add	*206.94*	
		For Clear Lacquer Finish, Add	*413.87*	
		For Baked Enamel Standard Colors, Add	*620.81*	
		For Anodized Finish, Add	*827.75*	
		For Kynar® Standard Colors Finish, Add	*1,138.15*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,563.47	180.19
		For Flange Frame, Add	*220.31*	
		For Clear Lacquer Finish, Add	*440.62*	
		For Baked Enamel Standard Colors, Add	*660.93*	
		For Anodized Finish, Add	*881.24*	
		For Kynar® Standard Colors Finish, Add	*1,211.71*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,691.19	190.78
		For Flange Frame, Add	*230.96*	
		For Clear Lacquer Finish, Add	*461.92*	
		For Baked Enamel Standard Colors, Add	*692.89*	
		For Anodized Finish, Add	*923.85*	
		For Kynar® Standard Colors Finish, Add	*1,270.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,889.19	201.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*248.64*	
		For Clear Lacquer Finish, Add	*497.28*	
		For Baked Enamel Standard Colors, Add	*745.93*	
		For Anodized Finish, Add	*994.57*	
		For Kynar® Standard Colors Finish, Add	*1,367.53*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	790.43	67.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*65.62*	
		For Clear Lacquer Finish, Add	*131.23*	
		For Baked Enamel Standard Colors, Add	*196.85*	
		For Anodized Finish, Add	*262.47*	
		For Kynar® Standard Colors Finish, Add	*360.89*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	969.69	84.79
		Note: Includes bird screen.		
		For Flange Frame, Add	*80.01*	
		For Clear Lacquer Finish, Add	*160.02*	
		For Baked Enamel Standard Colors, Add	*240.03*	
		For Anodized Finish, Add	*320.04*	
		For Kynar® Standard Colors Finish, Add	*440.06*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,123.47	95.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*93.27*	
		For Clear Lacquer Finish, Add	*186.54*	
		For Baked Enamel Standard Colors, Add	*279.81*	
		For Anodized Finish, Add	*373.08*	
		For Kynar® Standard Colors Finish, Add	*512.98*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,313.80	109.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*109.48*	
		For Clear Lacquer Finish, Add	*218.95*	
		For Baked Enamel Standard Colors, Add	*328.43*	
		For Anodized Finish, Add	*437.90*	
		For Kynar® Standard Colors Finish, Add	*602.11*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,513.79	116.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*128.06*	
		For Clear Lacquer Finish, Add	*256.12*	
		For Baked Enamel Standard Colors, Add	*384.18*	
		For Anodized Finish, Add	*512.24*	
		For Kynar® Standard Colors Finish, Add	*704.34*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,674.11	123.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*142.68*	
		For Clear Lacquer Finish, Add	*285.36*	
		For Baked Enamel Standard Colors, Add	*428.04*	
		For Anodized Finish, Add	*570.72*	
		For Kynar® Standard Colors Finish, Add	*784.74*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,812.91	130.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*155.15*	
		For Clear Lacquer Finish, Add	*310.29*	
		For Baked Enamel Standard Colors, Add	*465.44*	
		For Anodized Finish, Add	*620.58*	
		For Kynar® Standard Colors Finish, Add	*853.30*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,979.17	141.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*169.65*	
		For Clear Lacquer Finish, Add	*339.30*	
		For Baked Enamel Standard Colors, Add	*508.96*	
		For Anodized Finish, Add	*678.61*	
		For Kynar® Standard Colors Finish, Add	*933.09*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,121.62	151.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*181.78*	
		For Clear Lacquer Finish, Add	*363.56*	
		For Baked Enamel Standard Colors, Add	*545.33*	
		For Anodized Finish, Add	*727.11*	
		For Kynar® Standard Colors Finish, Add	*999.78*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,342.28	162.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.72*	
		For Clear Lacquer Finish, Add	*403.45*	
		For Baked Enamel Standard Colors, Add	*605.17*	
		For Anodized Finish, Add	*806.90*	
		For Kynar® Standard Colors Finish, Add	*1,109.48*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,484.74	173.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*213.85*	
		For Clear Lacquer Finish, Add	*427.70*	
		For Baked Enamel Standard Colors, Add	*641.55*	
		For Anodized Finish, Add	*855.40*	
		For Kynar® Standard Colors Finish, Add	*1,176.18*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,645.06	180.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.47*	
		For Clear Lacquer Finish, Add	*456.94*	
		For Baked Enamel Standard Colors, Add	*685.41*	
		For Anodized Finish, Add	*913.88*	
		For Kynar® Standard Colors Finish, Add	*1,256.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,806.52	187.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*243.20*	
		For Clear Lacquer Finish, Add	*486.40*	
		For Baked Enamel Standard Colors, Add	*729.61*	
		For Anodized Finish, Add	*972.81*	
		For Kynar® Standard Colors Finish, Add	*1,337.61*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,956.91	197.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*256.12*	
		For Clear Lacquer Finish, Add	*512.24*	
		For Baked Enamel Standard Colors, Add	*768.36*	
		For Anodized Finish, Add	*1,024.48*	
		For Kynar® Standard Colors Finish, Add	*1,408.67*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,169.64	208.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*275.27*	
		For Clear Lacquer Finish, Add	*550.55*	
		For Baked Enamel Standard Colors, Add	*825.82*	
		For Anodized Finish, Add	*1,101.10*	
		For Kynar® Standard Colors Finish, Add	*1,514.01*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	864.62	74.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*71.62*	
		For Clear Lacquer Finish, Add	*143.25*	
		For Baked Enamel Standard Colors, Add	*214.87*	
		For Anodized Finish, Add	*286.49*	
		For Kynar® Standard Colors Finish, Add	*393.93*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,059.74	91.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*87.60*	
		For Clear Lacquer Finish, Add	*175.21*	
		For Baked Enamel Standard Colors, Add	*262.81*	
		For Anodized Finish, Add	*350.41*	
		For Kynar® Standard Colors Finish, Add	*481.82*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,241.00	105.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*102.90*	
		For Clear Lacquer Finish, Add	*205.80*	
		For Baked Enamel Standard Colors, Add	*308.71*	
		For Anodized Finish, Add	*411.61*	
		For Kynar® Standard Colors Finish, Add	*565.96*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,427.66	116.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*119.45*	
		For Clear Lacquer Finish, Add	*238.90*	
		For Baked Enamel Standard Colors, Add	*358.34*	
		For Anodized Finish, Add	*477.79*	
		For Kynar® Standard Colors Finish, Add	*656.96*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,655.98	123.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*140.87*	
		For Clear Lacquer Finish, Add	*281.73*	
		For Baked Enamel Standard Colors, Add	*422.60*	
		For Anodized Finish, Add	*563.47*	
		For Kynar® Standard Colors Finish, Add	*774.77*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,841.24	130.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*157.98*	
		For Clear Lacquer Finish, Add	*315.96*	
		For Baked Enamel Standard Colors, Add	*473.94*	
		For Anodized Finish, Add	*631.92*	
		For Kynar® Standard Colors Finish, Add	*868.88*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,995.04	141.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.24*	
		For Clear Lacquer Finish, Add	*342.48*	
		For Baked Enamel Standard Colors, Add	*513.72*	
		For Anodized Finish, Add	*684.96*	
		For Kynar® Standard Colors Finish, Add	*941.81*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,236.08	151.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*193.22*	
		For Clear Lacquer Finish, Add	*386.45*	
		For Baked Enamel Standard Colors, Add	*579.67*	
		For Anodized Finish, Add	*772.90*	
		For Kynar® Standard Colors Finish, Add	*1,062.73*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,342.28	162.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.72*	
		For Clear Lacquer Finish, Add	*403.45*	
		For Baked Enamel Standard Colors, Add	*605.17*	
		For Anodized Finish, Add	*806.90*	
		For Kynar® Standard Colors Finish, Add	*1,109.48*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,577.67	173.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.14*	
		For Clear Lacquer Finish, Add	*446.29*	
		For Baked Enamel Standard Colors, Add	*669.43*	
		For Anodized Finish, Add	*892.57*	
		For Kynar® Standard Colors Finish, Add	*1,227.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,741.66	183.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.42*	
		For Clear Lacquer Finish, Add	*474.84*	
		For Baked Enamel Standard Colors, Add	*712.27*	
		For Anodized Finish, Add	*949.69*	
		For Kynar® Standard Colors Finish, Add	*1,305.82*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,920.12	190.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*253.86*	
		For Clear Lacquer Finish, Add	*507.71*	
		For Baked Enamel Standard Colors, Add	*761.57*	
		For Anodized Finish, Add	*1,015.42*	
		For Kynar® Standard Colors Finish, Add	*1,396.20*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,098.57	197.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*270.29*	
		For Clear Lacquer Finish, Add	*540.57*	
		For Baked Enamel Standard Colors, Add	*810.86*	
		For Anodized Finish, Add	*1,081.15*	
		For Kynar® Standard Colors Finish, Add	*1,486.58*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,247.57	204.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*283.77*	
		For Clear Lacquer Finish, Add	*567.55*	
		For Baked Enamel Standard Colors, Add	*851.32*	
		For Anodized Finish, Add	*1,135.09*	
		For Kynar® Standard Colors Finish, Add	*1,560.75*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,492.02	215.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*306.10*	
		For Clear Lacquer Finish, Add	*612.20*	
		For Baked Enamel Standard Colors, Add	*918.30*	
		For Anodized Finish, Add	*1,224.40*	
		For Kynar® Standard Colors Finish, Add	*1,683.54*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	958.35	84.79
		Note: Includes bird screen.		
		For Flange Frame, Add	*78.88*	
		For Clear Lacquer Finish, Add	*157.75*	
		For Baked Enamel Standard Colors, Add	*236.63*	
		For Anodized Finish, Add	*315.50*	
		For Kynar® Standard Colors Finish, Add	*433.82*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,176.13	102.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*97.12*	
		For Clear Lacquer Finish, Add	*194.24*	
		For Baked Enamel Standard Colors, Add	*291.37*	
		For Anodized Finish, Add	*388.49*	
		For Kynar® Standard Colors Finish, Add	*534.17*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,376.93	120.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*113.67*	
		For Clear Lacquer Finish, Add	*227.34*	
		For Baked Enamel Standard Colors, Add	*341.00*	
		For Anodized Finish, Add	*454.67*	
		For Kynar® Standard Colors Finish, Add	*625.17*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,575.78	127.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*132.14*	
		For Clear Lacquer Finish, Add	*264.28*	
		For Baked Enamel Standard Colors, Add	*396.42*	
		For Anodized Finish, Add	*528.56*	
		For Kynar® Standard Colors Finish, Add	*726.77*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,848.30	134.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*157.98*	
		For Clear Lacquer Finish, Add	*315.96*	
		For Baked Enamel Standard Colors, Add	*473.94*	
		For Anodized Finish, Add	*631.92*	
		For Kynar® Standard Colors Finish, Add	*868.88*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,038.10	141.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*175.55*	
		For Clear Lacquer Finish, Add	*351.09*	
		For Baked Enamel Standard Colors, Add	*526.64*	
		For Anodized Finish, Add	*702.18*	
		For Kynar® Standard Colors Finish, Add	*965.50*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,217.95	151.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*191.41*	
		For Clear Lacquer Finish, Add	*382.82*	
		For Baked Enamel Standard Colors, Add	*574.23*	
		For Anodized Finish, Add	*765.64*	
		For Kynar® Standard Colors Finish, Add	*1,052.76*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,480.54	162.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*215.55*	
		For Clear Lacquer Finish, Add	*431.10*	
		For Baked Enamel Standard Colors, Add	*646.65*	
		For Anodized Finish, Add	*862.20*	
		For Kynar® Standard Colors Finish, Add	*1,185.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,666.06	173.12
		For Flange Frame, Add	*231.98*	
		For Clear Lacquer Finish, Add	*463.96*	
		For Baked Enamel Standard Colors, Add	*695.95*	
		For Anodized Finish, Add	*927.93*	
		For Kynar® Standard Colors Finish, Add	*1,275.90*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,941.12	183.71
		For Flange Frame, Add	*257.37*	
		For Clear Lacquer Finish, Add	*514.74*	
		For Baked Enamel Standard Colors, Add	*772.10*	
		For Anodized Finish, Add	*1,029.47*	
		For Kynar® Standard Colors Finish, Add	*1,415.52*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,118.44	190.78
		For Flange Frame, Add	*273.69*	
		For Clear Lacquer Finish, Add	*547.37*	
		For Baked Enamel Standard Colors, Add	*821.06*	
		For Anodized Finish, Add	*1,094.75*	
		For Kynar® Standard Colors Finish, Add	*1,505.28*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,320.70	197.85
		For Flange Frame, Add	*292.50*	
		For Clear Lacquer Finish, Add	*585.00*	
		For Baked Enamel Standard Colors, Add	*877.50*	
		For Anodized Finish, Add	*1,170.00*	
		For Kynar® Standard Colors Finish, Add	*1,608.75*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,515.03	204.91
		For Flange Frame, Add	*310.52*	
		For Clear Lacquer Finish, Add	*621.04*	
		For Baked Enamel Standard Colors, Add	*931.56*	
		For Anodized Finish, Add	*1,242.08*	
		For Kynar® Standard Colors Finish, Add	*1,707.85*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,676.47	211.98
		For Flange Frame, Add	*325.25*	
		For Clear Lacquer Finish, Add	*650.50*	
		For Baked Enamel Standard Colors, Add	*975.75*	
		For Anodized Finish, Add	*1,301.00*	
		For Kynar® Standard Colors Finish, Add	*1,788.88*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,960.59	222.58
		For Flange Frame, Add	*351.54*	
		For Clear Lacquer Finish, Add	*703.09*	
		For Baked Enamel Standard Colors, Add	*1,054.63*	
		For Anodized Finish, Add	*1,406.17*	
		For Kynar® Standard Colors Finish, Add	*1,933.49*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,030.27	91.86
		For Flange Frame, Add	*84.66*	
		For Clear Lacquer Finish, Add	*169.31*	
		For Baked Enamel Standard Colors, Add	*253.97*	
		For Anodized Finish, Add	*338.62*	
		For Kynar® Standard Colors Finish, Add	*465.61*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,270.99	113.06
		For Flange Frame, Add	*104.49*	
		For Clear Lacquer Finish, Add	*208.98*	
		For Baked Enamel Standard Colors, Add	*313.46*	
		For Anodized Finish, Add	*417.95*	
		For Kynar® Standard Colors Finish, Add	*574.68*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,476.06	127.19
		For Flange Frame, Add	*122.17*	
		For Clear Lacquer Finish, Add	*244.34*	
		For Baked Enamel Standard Colors, Add	*366.50*	
		For Anodized Finish, Add	*488.67*	
		For Kynar® Standard Colors Finish, Add	*671.92*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,705.51	134.26
		For Flange Frame, Add	*143.70*	
		For Clear Lacquer Finish, Add	*287.40*	
		For Baked Enamel Standard Colors, Add	*431.10*	
		For Anodized Finish, Add	*574.80*	
		For Kynar® Standard Colors Finish, Add	*790.35*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,990.76	144.86
		For Flange Frame, Add	*170.11*	
		For Clear Lacquer Finish, Add	*340.21*	
		For Baked Enamel Standard Colors, Add	*510.32*	
		For Anodized Finish, Add	*680.42*	
		For Kynar® Standard Colors Finish, Add	*935.58*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,203.22	151.92
		For Flange Frame, Add	*189.94*	
		For Clear Lacquer Finish, Add	*379.88*	
		For Baked Enamel Standard Colors, Add	*569.81*	
		For Anodized Finish, Add	*759.75*	
		For Kynar® Standard Colors Finish, Add	*1,044.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,391.01	162.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*206.60*	
		For Clear Lacquer Finish, Add	*413.19*	
		For Baked Enamel Standard Colors, Add	*619.79*	
		For Anodized Finish, Add	*826.39*	
		For Kynar® Standard Colors Finish, Add	*1,136.28*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,671.73	173.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*232.55*	
		For Clear Lacquer Finish, Add	*465.10*	
		For Baked Enamel Standard Colors, Add	*697.65*	
		For Anodized Finish, Add	*930.20*	
		For Kynar® Standard Colors Finish, Add	*1,279.02*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,870.86	183.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*250.34*	
		For Clear Lacquer Finish, Add	*500.68*	
		For Baked Enamel Standard Colors, Add	*751.03*	
		For Anodized Finish, Add	*1,001.37*	
		For Kynar® Standard Colors Finish, Add	*1,376.88*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,168.58	194.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*277.99*	
		For Clear Lacquer Finish, Add	*555.99*	
		For Baked Enamel Standard Colors, Add	*833.98*	
		For Anodized Finish, Add	*1,111.98*	
		For Kynar® Standard Colors Finish, Add	*1,528.97*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,357.23	201.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*295.45*	
		For Clear Lacquer Finish, Add	*590.89*	
		For Baked Enamel Standard Colors, Add	*886.34*	
		For Anodized Finish, Add	*1,181.78*	
		For Kynar® Standard Colors Finish, Add	*1,624.95*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,571.95	208.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*315.51*	
		For Clear Lacquer Finish, Add	*631.01*	
		For Baked Enamel Standard Colors, Add	*946.52*	
		For Anodized Finish, Add	*1,262.02*	
		For Kynar® Standard Colors Finish, Add	*1,735.28*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,782.14	215.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*335.11*	
		For Clear Lacquer Finish, Add	*670.22*	
		For Baked Enamel Standard Colors, Add	*1,005.33*	
		For Anodized Finish, Add	*1,340.44*	
		For Kynar® Standard Colors Finish, Add	*1,843.11*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,960.59	222.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*351.54*	
		For Clear Lacquer Finish, Add	*703.09*	
		For Baked Enamel Standard Colors, Add	*1,054.63*	
		For Anodized Finish, Add	*1,406.17*	
		For Kynar® Standard Colors Finish, Add	*1,933.49*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,256.91	229.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*379.76*	
		For Clear Lacquer Finish, Add	*759.52*	
		For Baked Enamel Standard Colors, Add	*1,139.29*	
		For Anodized Finish, Add	*1,519.05*	
		For Kynar® Standard Colors Finish, Add	*2,088.69*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,186.07	98.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.82*	
		For Clear Lacquer Finish, Add	*197.64*	
		For Baked Enamel Standard Colors, Add	*296.47*	
		For Anodized Finish, Add	*395.29*	
		For Kynar® Standard Colors Finish, Add	*543.52*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,466.46	120.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*122.62*	
		For Clear Lacquer Finish, Add	*245.24*	
		For Baked Enamel Standard Colors, Add	*367.86*	
		For Anodized Finish, Add	*490.48*	
		For Kynar® Standard Colors Finish, Add	*674.42*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,709.45	141.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*142.68*	
		For Clear Lacquer Finish, Add	*285.36*	
		For Baked Enamel Standard Colors, Add	*428.04*	
		For Anodized Finish, Add	*570.72*	
		For Kynar® Standard Colors Finish, Add	*784.74*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,959.30	148.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*166.25*	
		For Clear Lacquer Finish, Add	*332.50*	
		For Baked Enamel Standard Colors, Add	*498.76*	
		For Anodized Finish, Add	*665.01*	
		For Kynar® Standard Colors Finish, Add	*914.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,290.74	155.46
		For Flange Frame, Add	*197.98*	
		For Clear Lacquer Finish, Add	*395.97*	
		For Baked Enamel Standard Colors, Add	*593.95*	
		For Anodized Finish, Add	*791.94*	
		For Kynar® Standard Colors Finish, Add	*1,088.91*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,522.47	162.52
		For Flange Frame, Add	*219.74*	
		For Clear Lacquer Finish, Add	*439.49*	
		For Baked Enamel Standard Colors, Add	*659.23*	
		For Anodized Finish, Add	*878.97*	
		For Kynar® Standard Colors Finish, Add	*1,208.59*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,746.53	173.12
		For Flange Frame, Add	*240.03*	
		For Clear Lacquer Finish, Add	*480.06*	
		For Baked Enamel Standard Colors, Add	*720.09*	
		For Anodized Finish, Add	*960.12*	
		For Kynar® Standard Colors Finish, Add	*1,320.16*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,009.12	183.71
		For Flange Frame, Add	*264.17*	
		For Clear Lacquer Finish, Add	*528.34*	
		For Baked Enamel Standard Colors, Add	*792.50*	
		For Anodized Finish, Add	*1,056.67*	
		For Kynar® Standard Colors Finish, Add	*1,452.92*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,232.04	194.31
		For Flange Frame, Add	*284.34*	
		For Clear Lacquer Finish, Add	*568.68*	
		For Baked Enamel Standard Colors, Add	*853.02*	
		For Anodized Finish, Add	*1,137.36*	
		For Kynar® Standard Colors Finish, Add	*1,563.87*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,574.22	208.45
		For Flange Frame, Add	*315.73*	
		For Clear Lacquer Finish, Add	*631.46*	
		For Baked Enamel Standard Colors, Add	*947.20*	
		For Anodized Finish, Add	*1,262.93*	
		For Kynar® Standard Colors Finish, Add	*1,736.53*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,789.20	219.05
		For Flange Frame, Add	*335.11*	
		For Clear Lacquer Finish, Add	*670.22*	
		For Baked Enamel Standard Colors, Add	*1,005.33*	
		For Anodized Finish, Add	*1,340.44*	
		For Kynar® Standard Colors Finish, Add	*1,843.11*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,016.40	226.11
		For Flange Frame, Add	*356.42*	
		For Clear Lacquer Finish, Add	*712.83*	
		For Baked Enamel Standard Colors, Add	*1,069.25*	
		For Anodized Finish, Add	*1,425.67*	
		For Kynar® Standard Colors Finish, Add	*1,960.29*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,248.12	233.18
		For Flange Frame, Add	*378.18*	
		For Clear Lacquer Finish, Add	*756.35*	
		For Baked Enamel Standard Colors, Add	*1,134.53*	
		For Anodized Finish, Add	*1,512.70*	
		For Kynar® Standard Colors Finish, Add	*2,079.97*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,449.24	240.25
		For Flange Frame, Add	*396.88*	
		For Clear Lacquer Finish, Add	*793.75*	
		For Baked Enamel Standard Colors, Add	*1,190.63*	
		For Anodized Finish, Add	*1,587.50*	
		For Kynar® Standard Colors Finish, Add	*2,182.81*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,779.56	247.31
		For Flange Frame, Add	*428.49*	
		For Clear Lacquer Finish, Add	*856.99*	
		For Baked Enamel Standard Colors, Add	*1,285.48*	
		For Anodized Finish, Add	*1,713.97*	
		For Kynar® Standard Colors Finish, Add	*2,356.71*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,252.33	105.99
		For Flange Frame, Add	*104.04*	
		For Clear Lacquer Finish, Add	*208.07*	
		For Baked Enamel Standard Colors, Add	*312.11*	
		For Anodized Finish, Add	*416.14*	
		For Kynar® Standard Colors Finish, Add	*572.19*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,546.32	127.19
		For Flange Frame, Add	*129.19*	
		For Clear Lacquer Finish, Add	*258.39*	
		For Baked Enamel Standard Colors, Add	*387.58*	
		For Anodized Finish, Add	*516.78*	
		For Kynar® Standard Colors Finish, Add	*710.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,801.78	148.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*150.50*	
		For Clear Lacquer Finish, Add	*301.00*	
		For Baked Enamel Standard Colors, Add	*451.50*	
		For Anodized Finish, Add	*602.00*	
		For Kynar® Standard Colors Finish, Add	*827.75*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,073.42	158.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*175.55*	
		For Clear Lacquer Finish, Add	*351.09*	
		For Baked Enamel Standard Colors, Add	*526.64*	
		For Anodized Finish, Add	*702.18*	
		For Kynar® Standard Colors Finish, Add	*965.50*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,428.67	166.06
		Note: Includes bird screen.		
		For Flange Frame, Add	*209.66*	
		For Clear Lacquer Finish, Add	*419.31*	
		For Baked Enamel Standard Colors, Add	*628.97*	
		For Anodized Finish, Add	*838.63*	
		For Kynar® Standard Colors Finish, Add	*1,153.11*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,672.86	173.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*232.66*	
		For Clear Lacquer Finish, Add	*465.32*	
		For Baked Enamel Standard Colors, Add	*697.99*	
		For Anodized Finish, Add	*930.65*	
		For Kynar® Standard Colors Finish, Add	*1,279.64*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,911.65	183.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*254.42*	
		For Clear Lacquer Finish, Add	*508.84*	
		For Baked Enamel Standard Colors, Add	*763.26*	
		For Anodized Finish, Add	*1,017.68*	
		For Kynar® Standard Colors Finish, Add	*1,399.32*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,181.90	190.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*280.03*	
		For Clear Lacquer Finish, Add	*560.07*	
		For Baked Enamel Standard Colors, Add	*840.10*	
		For Anodized Finish, Add	*1,120.13*	
		For Kynar® Standard Colors Finish, Add	*1,540.18*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,415.03	201.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*301.23*	
		For Clear Lacquer Finish, Add	*602.45*	
		For Baked Enamel Standard Colors, Add	*903.68*	
		For Anodized Finish, Add	*1,204.90*	
		For Kynar® Standard Colors Finish, Add	*1,656.74*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,789.20	219.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*335.11*	
		For Clear Lacquer Finish, Add	*670.22*	
		For Baked Enamel Standard Colors, Add	*1,005.33*	
		For Anodized Finish, Add	*1,340.44*	
		For Kynar® Standard Colors Finish, Add	*1,843.11*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,025.72	229.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*356.64*	
		For Clear Lacquer Finish, Add	*713.29*	
		For Baked Enamel Standard Colors, Add	*1,069.93*	
		For Anodized Finish, Add	*1,426.57*	
		For Kynar® Standard Colors Finish, Add	*1,961.54*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,259.72	236.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*378.63*	
		For Clear Lacquer Finish, Add	*757.26*	
		For Baked Enamel Standard Colors, Add	*1,135.89*	
		For Anodized Finish, Add	*1,514.52*	
		For Kynar® Standard Colors Finish, Add	*2,082.46*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,497.10	243.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*400.95*	
		For Clear Lacquer Finish, Add	*801.91*	
		For Baked Enamel Standard Colors, Add	*1,202.86*	
		For Anodized Finish, Add	*1,603.82*	
		For Kynar® Standard Colors Finish, Add	*2,205.25*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,719.76	250.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*421.81*	
		For Clear Lacquer Finish, Add	*843.61*	
		For Baked Enamel Standard Colors, Add	*1,265.42*	
		For Anodized Finish, Add	*1,687.23*	
		For Kynar® Standard Colors Finish, Add	*2,319.94*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,071.62	257.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*455.58*	
		For Clear Lacquer Finish, Add	*911.16*	
		For Baked Enamel Standard Colors, Add	*1,366.74*	
		For Anodized Finish, Add	*1,822.32*	
		For Kynar® Standard Colors Finish, Add	*2,505.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,332.19	113.06
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.61*	
		For Clear Lacquer Finish, Add	*221.22*	
		For Baked Enamel Standard Colors, Add	*331.82*	
		For Anodized Finish, Add	*442.43*	
		For Kynar® Standard Colors Finish, Add	*608.34*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,634.11	134.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.56*	
		For Clear Lacquer Finish, Add	*273.12*	
		For Baked Enamel Standard Colors, Add	*409.68*	
		For Anodized Finish, Add	*546.24*	
		For Kynar® Standard Colors Finish, Add	*751.08*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,895.23	155.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*158.43*	
		For Clear Lacquer Finish, Add	*316.87*	
		For Baked Enamel Standard Colors, Add	*475.30*	
		For Anodized Finish, Add	*633.73*	
		For Kynar® Standard Colors Finish, Add	*871.38*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,185.01	166.06
		Note: Includes bird screen.		
		For Flange Frame, Add	*185.29*	
		For Clear Lacquer Finish, Add	*370.58*	
		For Baked Enamel Standard Colors, Add	*555.87*	
		For Anodized Finish, Add	*741.16*	
		For Kynar® Standard Colors Finish, Add	*1,019.10*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,560.67	173.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*221.44*	
		For Clear Lacquer Finish, Add	*442.89*	
		For Baked Enamel Standard Colors, Add	*664.33*	
		For Anodized Finish, Add	*885.77*	
		For Kynar® Standard Colors Finish, Add	*1,217.94*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,815.05	180.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*245.47*	
		For Clear Lacquer Finish, Add	*490.94*	
		For Baked Enamel Standard Colors, Add	*736.40*	
		For Anodized Finish, Add	*981.87*	
		For Kynar® Standard Colors Finish, Add	*1,350.07*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,070.84	190.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*268.93*	
		For Clear Lacquer Finish, Add	*537.85*	
		For Baked Enamel Standard Colors, Add	*806.78*	
		For Anodized Finish, Add	*1,075.71*	
		For Kynar® Standard Colors Finish, Add	*1,479.10*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,356.96	197.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*296.13*	
		For Clear Lacquer Finish, Add	*592.25*	
		For Baked Enamel Standard Colors, Add	*888.38*	
		For Anodized Finish, Add	*1,184.50*	
		For Kynar® Standard Colors Finish, Add	*1,628.69*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,607.08	208.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*319.02*	
		For Clear Lacquer Finish, Add	*638.04*	
		For Baked Enamel Standard Colors, Add	*957.05*	
		For Anodized Finish, Add	*1,276.07*	
		For Kynar® Standard Colors Finish, Add	*1,754.60*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,005.06	226.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*355.28*	
		For Clear Lacquer Finish, Add	*710.57*	
		For Baked Enamel Standard Colors, Add	*1,065.85*	
		For Anodized Finish, Add	*1,421.13*	
		For Kynar® Standard Colors Finish, Add	*1,954.06*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,252.92	236.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*377.95*	
		For Clear Lacquer Finish, Add	*755.90*	
		For Baked Enamel Standard Colors, Add	*1,133.85*	
		For Anodized Finish, Add	*1,511.80*	
		For Kynar® Standard Colors Finish, Add	*2,078.72*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,512.11	247.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*401.75*	
		For Clear Lacquer Finish, Add	*803.50*	
		For Baked Enamel Standard Colors, Add	*1,205.24*	
		For Anodized Finish, Add	*1,606.99*	
		For Kynar® Standard Colors Finish, Add	*2,209.61*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,749.49	254.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*424.07*	
		For Clear Lacquer Finish, Add	*848.15*	
		For Baked Enamel Standard Colors, Add	*1,272.22*	
		For Anodized Finish, Add	*1,696.29*	
		For Kynar® Standard Colors Finish, Add	*2,332.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,986.88	261.45
		For Flange Frame, Add	*446.40*	
		For Clear Lacquer Finish, Add	*892.80*	
		For Baked Enamel Standard Colors, Add	*1,339.20*	
		For Anodized Finish, Add	*1,785.60*	
		For Kynar® Standard Colors Finish, Add	*2,455.19*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,361.40	268.51
		For Flange Frame, Add	*482.44*	
		For Clear Lacquer Finish, Add	*964.87*	
		For Baked Enamel Standard Colors, Add	*1,447.31*	
		For Anodized Finish, Add	*1,929.75*	
		For Kynar® Standard Colors Finish, Add	*2,653.40*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,397.33	120.12
		For Flange Frame, Add	*115.71*	
		For Clear Lacquer Finish, Add	*231.42*	
		For Baked Enamel Standard Colors, Add	*347.12*	
		For Anodized Finish, Add	*462.83*	
		For Kynar® Standard Colors Finish, Add	*636.39*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,711.72	141.32
		For Flange Frame, Add	*142.91*	
		For Clear Lacquer Finish, Add	*285.81*	
		For Baked Enamel Standard Colors, Add	*428.72*	
		For Anodized Finish, Add	*571.63*	
		For Kynar® Standard Colors Finish, Add	*785.99*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,000.03	162.52
		For Flange Frame, Add	*167.50*	
		For Clear Lacquer Finish, Add	*335.00*	
		For Baked Enamel Standard Colors, Add	*502.50*	
		For Anodized Finish, Add	*670.00*	
		For Kynar® Standard Colors Finish, Add	*921.24*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,298.88	173.12
		For Flange Frame, Add	*195.26*	
		For Clear Lacquer Finish, Add	*390.53*	
		For Baked Enamel Standard Colors, Add	*585.79*	
		For Anodized Finish, Add	*781.06*	
		For Kynar® Standard Colors Finish, Add	*1,073.95*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,698.33	180.19
		For Flange Frame, Add	*233.80*	
		For Clear Lacquer Finish, Add	*467.59*	
		For Baked Enamel Standard Colors, Add	*701.39*	
		For Anodized Finish, Add	*935.18*	
		For Kynar® Standard Colors Finish, Add	*1,285.88*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,967.44	187.25
		For Flange Frame, Add	*259.29*	
		For Clear Lacquer Finish, Add	*518.59*	
		For Baked Enamel Standard Colors, Add	*777.88*	
		For Anodized Finish, Add	*1,037.18*	
		For Kynar® Standard Colors Finish, Add	*1,426.12*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,228.90	197.85
		For Flange Frame, Add	*283.32*	
		For Clear Lacquer Finish, Add	*566.64*	
		For Baked Enamel Standard Colors, Add	*849.96*	
		For Anodized Finish, Add	*1,133.28*	
		For Kynar® Standard Colors Finish, Add	*1,558.26*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,537.69	204.91
		For Flange Frame, Add	*312.79*	
		For Clear Lacquer Finish, Add	*625.57*	
		For Baked Enamel Standard Colors, Add	*938.36*	
		For Anodized Finish, Add	*1,251.14*	
		For Kynar® Standard Colors Finish, Add	*1,720.32*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,800.27	215.51
		For Flange Frame, Add	*336.92*	
		For Clear Lacquer Finish, Add	*673.85*	
		For Baked Enamel Standard Colors, Add	*1,010.77*	
		For Anodized Finish, Add	*1,347.70*	
		For Kynar® Standard Colors Finish, Add	*1,853.08*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,222.05	233.18
		For Flange Frame, Add	*375.57*	
		For Clear Lacquer Finish, Add	*751.14*	
		For Baked Enamel Standard Colors, Add	*1,126.71*	
		For Anodized Finish, Add	*1,502.28*	
		For Kynar® Standard Colors Finish, Add	*2,065.63*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,478.97	243.78
		For Flange Frame, Add	*399.14*	
		For Clear Lacquer Finish, Add	*798.28*	
		For Baked Enamel Standard Colors, Add	*1,197.42*	
		For Anodized Finish, Add	*1,596.56*	
		For Kynar® Standard Colors Finish, Add	*2,195.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,760.83	254.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*425.21*	
		For Clear Lacquer Finish, Add	*850.41*	
		For Baked Enamel Standard Colors, Add	*1,275.62*	
		For Anodized Finish, Add	*1,700.83*	
		For Kynar® Standard Colors Finish, Add	*2,338.64*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,061.68	261.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*453.88*	
		For Clear Lacquer Finish, Add	*907.76*	
		For Baked Enamel Standard Colors, Add	*1,361.64*	
		For Anodized Finish, Add	*1,815.52*	
		For Kynar® Standard Colors Finish, Add	*2,496.33*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,333.07	268.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*479.60*	
		For Clear Lacquer Finish, Add	*959.21*	
		For Baked Enamel Standard Colors, Add	*1,438.81*	
		For Anodized Finish, Add	*1,918.42*	
		For Kynar® Standard Colors Finish, Add	*2,637.82*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,735.91	275.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*518.48*	
		For Clear Lacquer Finish, Add	*1,036.95*	
		For Baked Enamel Standard Colors, Add	*1,555.43*	
		For Anodized Finish, Add	*2,073.90*	
		For Kynar® Standard Colors Finish, Add	*2,851.62*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,483.13	130.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*122.17*	
		For Clear Lacquer Finish, Add	*244.34*	
		For Baked Enamel Standard Colors, Add	*366.50*	
		For Anodized Finish, Add	*488.67*	
		For Kynar® Standard Colors Finish, Add	*671.92*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,802.04	151.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*149.82*	
		For Clear Lacquer Finish, Add	*299.64*	
		For Baked Enamel Standard Colors, Add	*449.46*	
		For Anodized Finish, Add	*599.28*	
		For Kynar® Standard Colors Finish, Add	*824.01*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,101.69	173.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*175.55*	
		For Clear Lacquer Finish, Add	*351.09*	
		For Baked Enamel Standard Colors, Add	*526.64*	
		For Anodized Finish, Add	*702.18*	
		For Kynar® Standard Colors Finish, Add	*965.50*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,409.61	183.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*204.22*	
		For Clear Lacquer Finish, Add	*408.43*	
		For Baked Enamel Standard Colors, Add	*612.65*	
		For Anodized Finish, Add	*816.87*	
		For Kynar® Standard Colors Finish, Add	*1,123.19*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,836.25	190.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*245.47*	
		For Clear Lacquer Finish, Add	*490.94*	
		For Baked Enamel Standard Colors, Add	*736.40*	
		For Anodized Finish, Add	*981.87*	
		For Kynar® Standard Colors Finish, Add	*1,350.07*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,114.44	197.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*271.87*	
		For Clear Lacquer Finish, Add	*543.75*	
		For Baked Enamel Standard Colors, Add	*815.62*	
		For Anodized Finish, Add	*1,087.50*	
		For Kynar® Standard Colors Finish, Add	*1,495.31*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,380.17	204.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*297.03*	
		For Clear Lacquer Finish, Add	*594.07*	
		For Baked Enamel Standard Colors, Add	*891.10*	
		For Anodized Finish, Add	*1,188.13*	
		For Kynar® Standard Colors Finish, Add	*1,633.68*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,705.94	211.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*328.20*	
		For Clear Lacquer Finish, Add	*656.40*	
		For Baked Enamel Standard Colors, Add	*984.59*	
		For Anodized Finish, Add	*1,312.79*	
		For Kynar® Standard Colors Finish, Add	*1,805.09*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,982.13	222.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*353.70*	
		For Clear Lacquer Finish, Add	*707.39*	
		For Baked Enamel Standard Colors, Add	*1,061.09*	
		For Anodized Finish, Add	*1,414.79*	
		For Kynar® Standard Colors Finish, Add	*1,945.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,427.70	240.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*394.72*	
		For Clear Lacquer Finish, Add	*789.44*	
		For Baked Enamel Standard Colors, Add	*1,184.16*	
		For Anodized Finish, Add	*1,578.88*	
		For Kynar® Standard Colors Finish, Add	*2,170.97*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,695.96	250.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*419.43*	
		For Clear Lacquer Finish, Add	*838.85*	
		For Baked Enamel Standard Colors, Add	*1,258.28*	
		For Anodized Finish, Add	*1,677.71*	
		For Kynar® Standard Colors Finish, Add	*2,306.85*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,002.75	261.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*447.99*	
		For Clear Lacquer Finish, Add	*895.97*	
		For Baked Enamel Standard Colors, Add	*1,343.96*	
		For Anodized Finish, Add	*1,791.94*	
		For Kynar® Standard Colors Finish, Add	*2,463.92*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,321.74	268.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*478.47*	
		For Clear Lacquer Finish, Add	*956.94*	
		For Baked Enamel Standard Colors, Add	*1,435.41*	
		For Anodized Finish, Add	*1,913.88*	
		For Kynar® Standard Colors Finish, Add	*2,631.59*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,593.38	279.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*503.52*	
		For Clear Lacquer Finish, Add	*1,007.03*	
		For Baked Enamel Standard Colors, Add	*1,510.55*	
		For Anodized Finish, Add	*2,014.06*	
		For Kynar® Standard Colors Finish, Add	*2,769.34*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,020.03	286.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*544.77*	
		For Clear Lacquer Finish, Add	*1,089.54*	
		For Baked Enamel Standard Colors, Add	*1,634.30*	
		For Anodized Finish, Add	*2,179.07*	
		For Kynar® Standard Colors Finish, Add	*2,996.22*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,557.59	141.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.49*	
		For Clear Lacquer Finish, Add	*254.99*	
		For Baked Enamel Standard Colors, Add	*382.48*	
		For Anodized Finish, Add	*509.98*	
		For Kynar® Standard Colors Finish, Add	*701.22*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,887.83	162.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.28*	
		For Clear Lacquer Finish, Add	*312.56*	
		For Baked Enamel Standard Colors, Add	*468.84*	
		For Anodized Finish, Add	*625.12*	
		For Kynar® Standard Colors Finish, Add	*859.53*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,202.22	183.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*183.48*	
		For Clear Lacquer Finish, Add	*366.96*	
		For Baked Enamel Standard Colors, Add	*550.43*	
		For Anodized Finish, Add	*733.91*	
		For Kynar® Standard Colors Finish, Add	*1,009.13*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,527.14	194.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*213.85*	
		For Clear Lacquer Finish, Add	*427.70*	
		For Baked Enamel Standard Colors, Add	*641.55*	
		For Anodized Finish, Add	*855.40*	
		For Kynar® Standard Colors Finish, Add	*1,176.18*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,967.38	201.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*256.46*	
		For Clear Lacquer Finish, Add	*512.92*	
		For Baked Enamel Standard Colors, Add	*769.38*	
		For Anodized Finish, Add	*1,025.84*	
		For Kynar® Standard Colors Finish, Add	*1,410.54*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,292.03	208.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*287.51*	
		For Clear Lacquer Finish, Add	*575.03*	
		For Baked Enamel Standard Colors, Add	*862.54*	
		For Anodized Finish, Add	*1,150.05*	
		For Kynar® Standard Colors Finish, Add	*1,581.32*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,574.75	215.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*314.37*	
		For Clear Lacquer Finish, Add	*628.74*	
		For Baked Enamel Standard Colors, Add	*943.12*	
		For Anodized Finish, Add	*1,257.49*	
		For Kynar® Standard Colors Finish, Add	*1,729.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,884.66	222.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*343.95*	
		For Clear Lacquer Finish, Add	*687.90*	
		For Baked Enamel Standard Colors, Add	*1,031.85*	
		For Anodized Finish, Add	*1,375.80*	
		For Kynar® Standard Colors Finish, Add	*1,891.73*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,171.92	229.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*371.26*	
		For Clear Lacquer Finish, Add	*742.53*	
		For Baked Enamel Standard Colors, Add	*1,113.79*	
		For Anodized Finish, Add	*1,485.05*	
		For Kynar® Standard Colors Finish, Add	*2,041.95*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,650.37	247.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*415.57*	
		For Clear Lacquer Finish, Add	*831.15*	
		For Baked Enamel Standard Colors, Add	*1,246.72*	
		For Anodized Finish, Add	*1,662.30*	
		For Kynar® Standard Colors Finish, Add	*2,285.66*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,708.28	257.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*319.25*	
		For Clear Lacquer Finish, Add	*638.49*	
		For Baked Enamel Standard Colors, Add	*957.74*	
		For Anodized Finish, Add	*1,276.98*	
		For Kynar® Standard Colors Finish, Add	*1,755.85*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,241.28	268.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*470.43*	
		For Clear Lacquer Finish, Add	*940.85*	
		For Baked Enamel Standard Colors, Add	*1,411.28*	
		For Anodized Finish, Add	*1,881.70*	
		For Kynar® Standard Colors Finish, Add	*2,587.34*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,571.58	275.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*502.04*	
		For Clear Lacquer Finish, Add	*1,004.09*	
		For Baked Enamel Standard Colors, Add	*1,506.13*	
		For Anodized Finish, Add	*2,008.17*	
		For Kynar® Standard Colors Finish, Add	*2,761.24*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,856.83	286.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*528.45*	
		For Clear Lacquer Finish, Add	*1,056.90*	
		For Baked Enamel Standard Colors, Add	*1,585.34*	
		For Anodized Finish, Add	*2,113.79*	
		For Kynar® Standard Colors Finish, Add	*2,906.46*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,316.61	296.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*572.31*	
		For Clear Lacquer Finish, Add	*1,144.61*	
		For Baked Enamel Standard Colors, Add	*1,716.92*	
		For Anodized Finish, Add	*2,289.22*	
		For Kynar® Standard Colors Finish, Add	*3,147.68*	

08 91 19 00-0227 Gable Louver Vents *(08 91 19)*
Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0228 Aluminum Gable Louver Vents *(08 91 19 00-0227)*
Note: Includes screen.

08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0228)*
Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	183.21	13.41
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	201.42	15.41
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	231.87	17.39
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	253.49	18.49
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	287.33	19.58
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	323.55	23.49
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	377.89	29.36
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	423.18	34.25
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	486.57	41.12
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	613.35	54.81

08 91 19 00-0240 Square Aluminum Gable Louver Vents *(08 91 19 00-0228)*
Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	167.81	12.35
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	208.27	15.66
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	259.59	18.48
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	332.60	24.47
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	432.23	35.24
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	549.84	47.93
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	685.81	62.64

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
08 91 19 00-0248		**Round Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	167.81	12.35
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	208.27	15.66
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	259.59	18.48
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	332.60	24.47
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	432.23	35.24
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	549.96	47.96
08 91 19 00-0255		**Octagonal Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	167.81	12.35
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	183.21	13.41
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	201.42	15.41
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	208.27	15.66
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	231.87	17.39
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	253.49	18.49
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	259.59	18.48
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	287.33	19.58
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	323.55	23.49
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	332.60	24.47
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	377.89	29.36
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	423.18	34.25
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	432.23	35.24
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	486.57	41.12
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	540.90	46.98
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	549.96	47.96
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	613.35	54.81
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	685.81	62.64
08 91 19 00-0274		**Round Top Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	167.81	12.35
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	183.21	13.41
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	201.42	15.41
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	208.27	15.66
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	231.87	17.39
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	253.49	18.49
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	259.59	18.48
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	287.33	19.58
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	323.55	23.49
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	332.60	24.47
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	377.89	29.36
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	423.18	34.25
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	432.23	35.24
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	486.57	41.12
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	540.90	46.98
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	549.96	47.96
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	613.35	54.81
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	685.81	62.64
08 91 19 00-0293		**Triangle Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	335.99	15.41
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	381.94	18.48
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	409.67	19.58
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	470.36	23.49
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	522.23	24.47
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	439.06	29.36
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	514.94	34.25
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	579.04	35.24
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	657.85	41.12
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	540.90	46.98
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	617.25	47.96
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	711.22	54.81
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	808.15	62.64
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	909.58	71.98
08 91 19 00-0308		**Vinyl Gable Louver Vents** *(08 91 19 00-0227)* Note: Includes screen.		
08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	78.86	12.35
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	94.59	13.41
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	128.64	17.39
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	174.21	19.58
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	123.98	15.66
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	143.47	18.48
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	201.53	24.47
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	294.30	35.24
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	123.98	15.66
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	140.21	17.39
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	179.55	19.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	255.71	29.36
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	597.08	46.98
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	121.55	15.41
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	168.50	19.58
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	176.09	23.49
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	392.62	29.36
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	392.62	29.36
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	392.62	29.36
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	392.62	29.36
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	392.62	29.36
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	445.52	46.98
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	445.52	46.98
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	445.52	46.98
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	445.52	46.98

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	9.05	3.25
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	16.22	6.36
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	26.60	8.48
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	27.59	8.48

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	7.14	2.97
		For Colors, Add	*0.12*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	7.50	2.97
		For Colors, Add	*0.16*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001 Foundation Vents *(08 95 16)*

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.62	0.28
08 95 16 00-0003	SI	Aluminum Foundation Vent	1.14	0.28
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.29	0.28
08 95 16 00-0005	SI	Plastic Foundation Vent	0.75	0.28

END OF SECTION 08

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	21.67
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.53
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.76
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	13.91
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	12.47

09 01 20 91-0007 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0008 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0009	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	37.87
09 01 20 91-0010	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	27.51
09 01 20 91-0011	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	20.27
09 01 20 91-0012	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	16.13

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	10.68
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	13.34

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*
Note: Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.61
		For Up To 100, Add	*0.44*
		For >100 To 250, Add	*0.21*
		For >250 To 500, Add	*0.09*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 30,000, Deduct	*-0.09*
		For >30,000, Deduct	*-0.12*
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.60
		For Up To 100, Add	*1.07*
		For >100 To 250, Add	*0.28*
		For >250 To 500, Add	*0.14*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 30,000, Deduct	*-0.09*
		For >30,000, Deduct	*-0.12*
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.97
		For Up To 100, Add	*1.67*
		For >100 To 250, Add	*0.44*
		For >250 To 500, Add	*0.22*
		For >5,000 To 10,000, Deduct	*-0.04*
		For >10,000 To 15,000, Deduct	*-0.09*
		For >15,000 To 30,000, Deduct	*-0.14*
		For >30,000, Deduct	*-0.19*
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.98
		For Up To 100, Add	*3.96*
		For >100 To 250, Add	*0.99*
		For >250 To 500, Add	*0.50*
		For >5,000 To 10,000, Deduct	*-0.10*
		For >10,000 To 15,000, Deduct	*-0.20*
		For >15,000 To 30,000, Deduct	*-0.30*
		For >30,000, Deduct	*-0.40*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.12	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.72	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.05	
		For Up To 100, Add	*3.79*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 30,000, Deduct	*-0.30*	
		For >30,000, Deduct	*-0.40*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	3.42	
		For Up To 100, Add	*6.53*	
		For >100 To 250, Add	*1.66*	
		For >250 To 500, Add	*0.82*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.33*	
		For >15,000 To 30,000, Deduct	*-0.51*	
		For >30,000, Deduct	*-0.67*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 Lb. of sand or glass abrasive media material per SF	4.87	
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.85*	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*5.90*	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*9.74*	
		For Up To 100, Add	*8.60*	
		For >100 To 250, Add	*2.25*	
		For >250 To 500, Add	*1.10*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.46*	
		For >15,000 To 30,000, Deduct	*-0.71*	
		For >30,000, Deduct	*-0.94*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.47	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.80	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.20*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.49	
		For Up To 100, Add	*2.86*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.59	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.97	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	1.60	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.69	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 30,000, Deduct	*-0.30*	
		For >30,000, Deduct	*-0.39*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.69	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.47	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.14*	
		For >15,000 To 30,000, Deduct	*-0.21*	
		For >30,000, Deduct	*-0.28*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.00	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.29*	
		For >30,000, Deduct	*-0.38*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.94	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.43*	
		For >30,000, Deduct	*-0.57*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	4.92	
		For Up To 100, Add	*3.15*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.46*	
		For >15,000 To 30,000, Deduct	*-0.72*	
		For >30,000, Deduct	*-0.95*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.73	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.35*	
		For >15,000 To 30,000, Deduct	*-0.54*	
		For >30,000, Deduct	*-0.72*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.62	
		For Up To 100, Add	*2.90*	
		For >100 To 250, Add	*1.35*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 15,000, Deduct	*-0.43*	
		For >15,000 To 30,000, Deduct	*-0.67*	
		For >30,000, Deduct	*-0.89*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	6.00	
		For Up To 100, Add	*3.78*	
		For >100 To 250, Add	*1.76*	
		For >250 To 500, Add	*0.76*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 15,000, Deduct	*-0.56*	
		For >15,000 To 30,000, Deduct	*-0.87*	
		For >30,000, Deduct	*-1.15*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	7.49	
		For Up To 100, Add	*4.72*	
		For >100 To 250, Add	*2.20*	
		For >250 To 500, Add	*0.94*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000 To 15,000, Deduct	*-0.70*	
		For >15,000 To 30,000, Deduct	*-1.09*	
		For >30,000, Deduct	*-1.44*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	53.43	
		For Up To 100, Add	*39.80*	
		For >100 To 250, Add	*18.57*	
		For >250 To 500, Add	*7.96*	
		For >5,000 To 10,000, Deduct	*-2.66*	
		For >10,000 To 15,000, Deduct	*-5.33*	
		For >15,000 To 30,000, Deduct	*-8.00*	
		For >30,000, Deduct	*-10.67*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.50	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.86	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.28*	
		For >30,000, Deduct	*-0.37*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.80	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.15*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	1.27	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.19*	
		For >30,000, Deduct	*-0.25*	
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 01 90 52-0041	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.75	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	1.11	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	1.49	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.22*	
		For >30,000, Deduct	*-0.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.98	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	1.14	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.84	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.61	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	1.15	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*

Note: Based on total project quantity.

09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.61	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.81	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	

09 01 90 52-0054 Prep Work *(09 01 90 52-0001)*

09 01 90 52-0055	SF	Citrus Strip, Single Applications Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations	1.44	

09 01 90 91 Paint Restoration *(09 01 90)*

09 01 90 91-0001 Paint Removal, Strip To Bare Wood *(09 01 90 91)*

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	9.74	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	10.38	

09 20 Plaster and Gypsum Board *(09)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 21 Plaster and Gypsum Board Assemblies *(09 20)*				
09 21 00 00-0001		Interior Partition Wall Assembly *(09 21)*		
09 21 00 00-0002	SF	Interior Partition Wall Assembly. Metal Studs With Tracks And Runners. Note: Includes 18 gauge 3-5/8" metal studs 16" on center with tracks, runners, and channel, one layer 5/8" drywall on each side, level 4 finish, one primer coat and two finish coats of latex paint.	24.73	4.43
		For Curved Wall, Add	*5.43*	
09 22 Supports for Plaster and Gypsum Board *(09 20)*				
09 22 13 Metal Furring *(09 22)*				
09 22 13 13 Metal Channel Furring *(09 22 13)*				
09 22 13 13-0001		Hat Furring Channel *(09 22 13 13)* Note: Includes clips where required.		
09 22 13 13-0002		Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*		
09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.15	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.62*	
		For 12" On Center, Add	*0.82*	
		For 22 Gauge, Add	*0.82*	
		For 20 Gauge, Add	*1.30*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.55	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.70*	
		For 12" On Center, Add	*0.90*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.56*	
09 22 13 13-0005		Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*		
09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.36	3.17
		For Columns And Beams >10' High, Add	*1.27*	
		For 24" On Center, Deduct	*-0.84*	
		For 12" On Center, Add	*1.16*	
		For 22 Gauge, Add	*0.99*	
		For 20 Gauge, Add	*1.63*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.77	3.17
		For Columns And Beams >10' High, Add	*1.27*	
		For 24" On Center, Deduct	*-0.92*	
		For 12" On Center, Add	*1.24*	
		For 22 Gauge, Add	*1.19*	
		For 20 Gauge, Add	*1.90*	
09 22 13 13-0008		Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*		
09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	6.77	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.85*	
		For 12" On Center, Add	*1.10*	
		For 22 Gauge, Add	*1.23*	
		For 20 Gauge, Add	*1.88*	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.18	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.93*	
		For 12" On Center, Add	*1.18*	
		For 22 Gauge, Add	*1.44*	
		For 20 Gauge, Add	*2.15*	
09 22 13 13-0011		Z Furring Channel *(09 22 13 13)*		
09 22 13 13-0012		Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*		
09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.45	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.48*	
		For 12" On Center, Add	*0.68*	
		For 22 Gauge, Add	*0.47*	
		For 20 Gauge, Add	*0.84*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.51	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.49*	
		For 12" On Center, Add	*0.70*	
		For 22 Gauge, Add	*0.50*	
		For 20 Gauge, Add	*0.88*	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.57	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.50*	
		For 12" On Center, Add	*0.71*	
		For 22 Gauge, Add	*0.53*	
		For 20 Gauge, Add	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.61	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.51*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.55*	
		For 20 Gauge, Add	*0.94*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.65	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.57*	
		For 20 Gauge, Add	*0.97*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	4.81	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.55*	
		For 12" On Center, Add	*0.76*	
		For 20 Gauge, Add	*1.07*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	5.76	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.65*	
		For 12" On Center, Add	*0.90*	
		For 20 Gauge, Add	*1.22*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	5.07	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.60*	
		For 12" On Center, Add	*0.81*	
		For 20 Gauge, Add	*1.25*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	6.02	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.70*	
		For 12" On Center, Add	*0.95*	
		For 20 Gauge, Add	*1.39*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.27	0.87
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.65*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.04*	
		For Soffit, Columns Or Beams >10' High, Add	*2.68*	
		For Horizontal Installation Up To 10' High, Add	*0.65*	
		For Horizontal Installation >10' High, Add	*0.86*	
		For Curved Wall, Add	*0.64*	
		For 12" On Center, Add	*0.55*	
		For 24" On Center, Deduct	*-0.55*	
		For Up To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.51	0.90
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.70*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.15*	
		For Soffit, Columns Or Beams >10' High, Add	*2.83*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*0.91*	
		For Curved Wall, Add	*0.68*	
		For 12" On Center, Add	*0.59*	
		For 24" On Center, Deduct	*-0.59*	
		For Up To 100, Add	*1.15*	
		For >100 To 300, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.82	0.94
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.76*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.27*	
		For Soffit, Columns Or Beams >10' High, Add	*2.98*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*0.97*	
		For Curved Wall, Add	*0.71*	
		For 12" On Center, Add	*0.65*	
		For 24" On Center, Deduct	*-0.65*	
		For Up To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.07	0.99
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.81*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.38*	
		For Soffit, Columns Or Beams >10' High, Add	*3.12*	
		For Horizontal Installation Up To 10' High, Add	*0.78*	
		For Horizontal Installation >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.74*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
		For Up To 100, Add	*1.31*	
		For >100 To 300, Add	*0.65*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.56	1.04
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.91*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.54*	
		For Soffit, Columns Or Beams >10' High, Add	*3.32*	
		For Horizontal Installation Up To 10' High, Add	*0.85*	
		For Horizontal Installation >10' High, Add	*1.11*	
		For Curved Wall, Add	*0.78*	
		For 12" On Center, Add	*0.78*	
		For 24" On Center, Deduct	*-0.78*	
		For Up To 100, Add	*1.43*	
		For >100 To 300, Add	*0.72*	

09 22 16 13-0007 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.71	0.88
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.74*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.13*	
		For Soffit, Columns Or Beams >10' High, Add	*2.79*	
		For Horizontal Installation Up To 10' High, Add	*0.70*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Curved Wall, Add	*0.66*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
		For Up To 100, Add	*1.18*	
		For >100 To 300, Add	*0.59*	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.08	0.93
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.82*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.26*	
		For Soffit, Columns Or Beams >10' High, Add	*2.95*	
		For Horizontal Installation Up To 10' High, Add	*0.75*	
		For Horizontal Installation >10' High, Add	*0.99*	
		For Curved Wall, Add	*0.69*	
		For 12" On Center, Add	*0.70*	
		For 24" On Center, Deduct	*-0.70*	
		For Up To 100, Add	*1.28*	
		For >100 To 300, Add	*0.64*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.51	0.97
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.90*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.39*	
		For Soffit, Columns Or Beams >10' High, Add	*3.11*	
		For Horizontal Installation Up To 10' High, Add	*0.81*	
		For Horizontal Installation >10' High, Add	*1.06*	
		For Curved Wall, Add	*0.73*	
		For 12" On Center, Add	*0.78*	
		For 24" On Center, Deduct	*-0.78*	
		For Up To 100, Add	*1.39*	
		For >100 To 300, Add	*0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners	4.81	1.02
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.96*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.51*	
		For Soffit, Columns Or Beams >10' High, Add	*3.28*	
		For Horizontal Installation Up To 10' High, Add	*0.86*	
		For Horizontal Installation >10' High, Add	*1.12*	
		For Curved Wall, Add	*0.76*	
		For 12" On Center, Add	*0.84*	
		For 24" On Center, Deduct	*-0.84*	
		For Up To 100, Add	*1.47*	
		For >100 To 300, Add	*0.74*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.71	1.07
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.34*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.80*	
		For Soffit, Columns Or Beams >10' High, Add	*3.60*	
		For Horizontal Installation Up To 10' High, Add	*1.07*	
		For Horizontal Installation >10' High, Add	*1.34*	
		For Curved Wall, Add	*0.80*	
		For 12" On Center, Add	*1.21*	
		For 24" On Center, Deduct	*-1.21*	
		For Up To 100, Add	*1.87*	
		For >100 To 300, Add	*0.94*	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.66	0.94
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.13*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.45*	
		For Soffit, Columns Or Beams >10' High, Add	*3.16*	
		For Horizontal Installation Up To 10' High, Add	*0.92*	
		For Horizontal Installation >10' High, Add	*1.16*	
		For Curved Wall, Add	*0.71*	
		For 12" On Center, Add	*1.01*	
		For 24" On Center, Deduct	*-1.01*	
		For Up To 100, Add	*1.60*	
		For >100 To 300, Add	*0.80*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.27	0.99
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.25*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.62*	
		For Soffit, Columns Or Beams >10' High, Add	*3.37*	
		For Horizontal Installation Up To 10' High, Add	*1.00*	
		For Horizontal Installation >10' High, Add	*1.25*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*1.13*	
		For 24" On Center, Deduct	*-1.13*	
		For Up To 100, Add	*1.75*	
		For >100 To 300, Add	*0.88*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.73	1.04
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.35*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.75*	
		For Soffit, Columns Or Beams >10' High, Add	*3.53*	
		For Horizontal Installation Up To 10' High, Add	*1.06*	
		For Horizontal Installation >10' High, Add	*1.32*	
		For Curved Wall, Add	*0.78*	
		For 12" On Center, Add	*1.22*	
		For 24" On Center, Deduct	*-1.22*	
		For Up To 100, Add	*1.87*	
		For >100 To 300, Add	*0.93*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	8.82	1.09
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.76*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.07*	
		For Soffit, Columns Or Beams >10' High, Add	*3.90*	
		For Horizontal Installation Up To 10' High, Add	*1.29*	
		For Horizontal Installation >10' High, Add	*1.57*	
		For Curved Wall, Add	*0.82*	
		For 12" On Center, Add	*1.63*	
		For 24" On Center, Deduct	*-1.63*	
		For Up To 100, Add	*2.31*	
		For >100 To 300, Add	*1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	9.59	1.16
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.92*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.25*	
		For Soffit, Columns Or Beams >10' High, Add	*4.11*	
		For Horizontal Installation Up To 10' High, Add	*1.39*	
		For Horizontal Installation >10' High, Add	*1.67*	
		For Curved Wall, Add	*0.86*	
		For 12" On Center, Add	*1.78*	
		For 24" On Center, Deduct	*-1.78*	
		For Up To 100, Add	*2.49*	
		For >100 To 300, Add	*1.25*	
09 22 16 13-0019		16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*		
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.02	0.97
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.20*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.54*	
		For Soffit, Columns Or Beams >10' High, Add	*3.26*	
		For Horizontal Installation Up To 10' High, Add	*0.97*	
		For Horizontal Installation >10' High, Add	*1.21*	
		For Curved Wall, Add	*0.73*	
		For 12" On Center, Add	*1.08*	
		For 24" On Center, Deduct	*-1.08*	
		For Up To 100, Add	*1.69*	
		For >100 To 300, Add	*0.84*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.10	1.02
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.42*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.74*	
		For Soffit, Columns Or Beams >10' High, Add	*3.50*	
		For Horizontal Installation Up To 10' High, Add	*1.09*	
		For Horizontal Installation >10' High, Add	*1.35*	
		For Curved Wall, Add	*0.76*	
		For 12" On Center, Add	*1.29*	
		For 24" On Center, Deduct	*-1.29*	
		For Up To 100, Add	*1.93*	
		For >100 To 300, Add	*0.96*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.50	1.07
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.50*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.88*	
		For Soffit, Columns Or Beams >10' High, Add	*3.68*	
		For Horizontal Installation Up To 10' High, Add	*1.15*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Curved Wall, Add	*0.80*	
		For 12" On Center, Add	*1.37*	
		For 24" On Center, Deduct	*-1.37*	
		For Up To 100, Add	*2.03*	
		For >100 To 300, Add	*1.02*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	9.51	1.12
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.90*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.19*	
		For Soffit, Columns Or Beams >10' High, Add	*4.03*	
		For Horizontal Installation Up To 10' High, Add	*1.37*	
		For Horizontal Installation >10' High, Add	*1.65*	
		For Curved Wall, Add	*0.84*	
		For 12" On Center, Add	*1.76*	
		For 24" On Center, Deduct	*-1.76*	
		For Up To 100, Add	*2.46*	
		For >100 To 300, Add	*1.23*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	10.49	1.18
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.10*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.40*	
		For Soffit, Columns Or Beams >10' High, Add	*4.28*	
		For Horizontal Installation Up To 10' High, Add	*1.49*	
		For Horizontal Installation >10' High, Add	*1.78*	
		For Curved Wall, Add	*0.88*	
		For 12" On Center, Add	*1.95*	
		For 24" On Center, Deduct	*-1.95*	
		For Up To 100, Add	*2.69*	
		For >100 To 300, Add	*1.34*	

09 22 26 Suspension Systems *(09 22)*

09 22 26 23 Metal Suspension Systems *(09 22 26)*

09 22 26 23-0001 Suspended Ceiling Support System *(09 22 26 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 26 23-0002	SF	Suspended Ceiling Support System, 1-1/2" Main, 48" On Center With 3/4" Furred Channel, 12" On Center With Clips And Rods	5.36	1.52
		For Ceilings >10' High, Add	*0.51*	
09 22 26 23-0003	SF	Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1" x 1/8" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center	5.86	1.52
		For Ceilings >10' High, Add	*0.69*	
09 22 26 23-0004	SF	Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1/4" Threaded Rod And 3" x 3" x 3/16" Steel Angles 4' On Center (GAT System)	5.69	1.52
		For Ceilings >10' High, Add	*0.69*	
09 22 26 23-0005	SF	Aluminum Metal Pan Suspended Ceiling Support System, 1-1/2" x 3/4" Galvanized Steel Channel Mains, 48" On Center Suspended By 1" x 3/16" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center	6.43	1.52
		For Ceilings >10' High, Add	*0.71*	

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.70	0.57
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.35	0.65
		For Walls >10' High, Add	*0.17*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	3.00	0.77
		For Walls >10' High, Add	*0.19*	
		For Up To 100, Add	*0.76*	
		For >100 To 500, Add	*0.38*	
		For >5,000, Deduct	*-0.15*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.16	0.80
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.87	0.93
		For Ceilings >10' High, Add	*0.28*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.60	1.07
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.61	1.03
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	3.41	1.19
		For Columns And Beams >10' High, Add	*0.36*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	4.21	1.37
		For Columns And Beams >10' High, Add	*0.41*	
		For Up To 100, Add	*1.36*	
		For >100 To 500, Add	*0.68*	
		For >5,000, Deduct	*-0.27*	

09 22 36 13-0011 Firestop Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.37	0.57
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.76	0.65
		For Walls >10' High, Add	*0.17*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.83	0.80
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	3.28	0.93
		For Ceilings >10' High, Add	*0.28*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.28	1.03
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.82	1.19
		For Columns And Beams >10' High, Add	*0.36*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	

09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.37	0.57
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.76	0.65
		For Walls >10' High, Add	*0.17*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.83	0.80
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.28	0.93
		For Ceilings >10' High, Add	*0.28*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.28	1.03
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.82	1.19
		For Columns And Beams >10' High, Add	*0.36*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	

09 22 36 23 Metal Lath *(09 22 36)*

09 22 36 23-0001 Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.75	0.79
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.89	0.79
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.02	0.79
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.47	0.85
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.00	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.14	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.27	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.61	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.96	1.27
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.71*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.09	1.27
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.71*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.23	1.27
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.71*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.26	1.59
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	

09 22 36 23-0014 Self-Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.86	0.85
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.00	0.85
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.13	0.85
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.47	0.85
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.66	1.59
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.79	1.59
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.93	1.59
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.77	1.81
		For Columns And Beams >10' High, Add	*0.60*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*2.02*	
		For >100 To 500, Add	*1.01*	
		For >5,000, Deduct	*-0.40*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.38	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.57	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.69	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.91	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.68	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.93	0.91
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.54	0.85
		For Walls >10' High, Add	*0.23*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.79	0.85
		For Walls >10' High, Add	*0.23*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	5.22	1.27
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	5.23	1.27
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	5.49	1.27
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	5.02	1.27
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	5.03	1.27

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	5.44	1.27
		For Vinyl Instead Of Galvanized, Add	*0.27*	
		For Zinc Instead Of Galvanized, Add	*1.80*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	5.44	1.27
		For Vinyl Instead Of Galvanized, Add	*0.27*	
		For Zinc Instead Of Galvanized, Add	*1.80*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	5.44	1.27
		For Vinyl Instead Of Galvanized, Add	*0.27*	
		For Zinc Instead Of Galvanized, Add	*1.80*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications	6.15	1.27

09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.35	
		For Walls >10' High, Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.17*	
		For Horizontal Installation >10' High, Add	*0.35*	
		For Columns Or Beams Up To 10' High, Add	*0.36*	
		For Columns Or Beams >10' High, Add	*0.53*	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.98	
		For Walls >10' High, Add	*0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.12*	
		For Horizontal Installation >10' High, Add	*0.25*	
		For Columns Or Beams Up To 10' High, Add	*0.26*	
		For Columns Or Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*0.42*	
		For >100 To 500, Add	*0.21*	
		For >5,000, Deduct	*-0.17*	

09 23 13 00-0016 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	6.67	3.83
		For Walls >10' High, Add	*0.63*	
		For Horizontal Installation Up To 10' High, Add	*0.95*	
		For Horizontal Installation >10' High, Add	*1.89*	
		For Columns Or Beams Up To 10' High, Add	*1.96*	
		For Columns Or Beams >10' High, Add	*2.90*	
		For Up To 100, Add	*3.16*	
		For >100 To 500, Add	*1.58*	
		For >5,000, Deduct	*-1.26*	
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	6.86	3.62
		For Walls >10' High, Add	*0.59*	
		For Horizontal Installation Up To 10' High, Add	*0.89*	
		For Horizontal Installation >10' High, Add	*1.78*	
		For Columns Or Beams Up To 10' High, Add	*1.84*	
		For Columns Or Beams >10' High, Add	*2.73*	
		For Up To 100, Add	*2.97*	
		For >100 To 500, Add	*1.48*	
		For >5,000, Deduct	*-1.19*	
09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	6.88	3.62
		For Walls >10' High, Add	*0.59*	
		For Horizontal Installation Up To 10' High, Add	*0.89*	
		For Horizontal Installation >10' High, Add	*1.78*	
		For Columns Or Beams Up To 10' High, Add	*1.84*	
		For Columns Or Beams >10' High, Add	*2.73*	
		For Up To 100, Add	*2.97*	
		For >100 To 500, Add	*1.48*	
		For >5,000, Deduct	*-1.19*	

09 23 13 00-0020 Three Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	8.07	4.65
		For Walls >10' High, Add	*0.76*	
		For Horizontal Installation Up To 10' High, Add	*1.13*	
		For Horizontal Installation >10' High, Add	*2.27*	
		For Columns Or Beams Up To 10' High, Add	*2.34*	
		For Columns Or Beams >10' High, Add	*3.47*	
		For Up To 100, Add	*3.78*	
		For >100 To 500, Add	*1.89*	
		For >5,000, Deduct	*-1.51*	
09 23 13 00-0022	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	8.08	4.25
		For Walls >10' High, Add	*0.70*	
		For Horizontal Installation Up To 10' High, Add	*1.05*	
		For Horizontal Installation >10' High, Add	*2.10*	
		For Columns Or Beams Up To 10' High, Add	*2.17*	
		For Columns Or Beams >10' High, Add	*3.22*	
		For Up To 100, Add	*3.50*	
		For >100 To 500, Add	*1.75*	
		For >5,000, Deduct	*-1.40*	
09 23 13 00-0023	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	7.59	4.25
		For Walls >10' High, Add	*0.70*	
		For Horizontal Installation Up To 10' High, Add	*1.04*	
		For Horizontal Installation >10' High, Add	*2.09*	
		For Columns Or Beams Up To 10' High, Add	*2.16*	
		For Columns Or Beams >10' High, Add	*3.20*	
		For Up To 100, Add	*3.48*	
		For >100 To 500, Add	*1.74*	
		For >5,000, Deduct	*-1.39*	

09 23 13 00-0024 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0025	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.76	
		For Walls >10' High, Add	*0.06*	
		For Columns Or Beams Up To 10' High, Add	*0.18*	
		For Columns Or Beams >10' High, Add	*0.27*	
		For Ceiling Application Up To 10' High, Add	*0.08*	
		For Ceiling Application >10' High, Add	*0.14*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	5.31	2.59
		For Walls >10' High, Add	*0.41*	
		For Horizontal Installation Up To 10' High, Add	*0.62*	
		For Horizontal Installation >10' High, Add	*1.24*	
		For Columns Or Beams Up To 10' High, Add	*1.28*	
		For Columns Or Beams >10' High, Add	*1.90*	
		For Up To 100, Add	*2.07*	
		For >100 To 500, Add	*1.04*	
		For >5,000, Deduct	*-0.83*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	8.05	4.04
		For Walls >10' High, Add	*0.66*	
		For Horizontal Installation Up To 10' High, Add	*0.99*	
		For Horizontal Installation >10' High, Add	*1.97*	
		For Columns Or Beams Up To 10' High, Add	*2.04*	
		For Columns Or Beams >10' High, Add	*3.02*	
		For Up To 100, Add	*3.29*	
		For >100 To 500, Add	*1.64*	
		For >5,000, Deduct	*-1.31*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	9.11	4.55
		For Walls >10' High, Add	*0.74*	
		For Horizontal Installation Up To 10' High, Add	*1.11*	
		For Horizontal Installation >10' High, Add	*2.23*	
		For Columns Or Beams Up To 10' High, Add	*2.30*	
		For Columns Or Beams >10' High, Add	*3.42*	
		For Up To 100, Add	*3.72*	
		For >100 To 500, Add	*1.86*	
		For >5,000, Deduct	*-1.49*	

09 24 23 Cement Stucco *(09 24)*

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	10.10	3.21
		For Walls >10' High, Add	*0.88*	
		For Horizontal Installation Up To 10' High, Add	*1.32*	
		For Horizontal Installation >10' High, Add	*2.63*	
		For Columns Or Beams Up To 10' High, Add	*2.72*	
		For Columns Or Beams >10' High, Add	*4.03*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.84*	
		For Up To 100, Add	*4.39*	
		For >100 To 500, Add	*2.19*	
		For >5,000, Deduct	*-1.75*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.38	1.55
		For Walls >10' High, Add	*0.32*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.96*	
		For Columns Or Beams Up To 10' High, Add	*1.00*	
		For Columns Or Beams >10' High, Add	*1.48*	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.64*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	6.67	1.55
		For Walls >10' High, Add	*0.57*	
		For Horizontal Installation Up To 10' High, Add	*0.86*	
		For Horizontal Installation >10' High, Add	*1.71*	
		For Columns Or Beams Up To 10' High, Add	*1.77*	
		For Columns Or Beams >10' High, Add	*2.62*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.57*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.43*	
		For >5,000, Deduct	*-1.14*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.30	1.03
		For Walls >10' High, Add	*0.41*	
		For Horizontal Installation Up To 10' High, Add	*0.62*	
		For Horizontal Installation >10' High, Add	*1.24*	
		For Columns Or Beams Up To 10' High, Add	*1.28*	
		For Columns Or Beams >10' High, Add	*1.90*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.56*	
		For Up To 100, Add	*2.07*	
		For >100 To 500, Add	*1.04*	
		For >5,000, Deduct	*-0.83*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	5.44
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	6.92
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	10.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.63	0.89
		For Up To 50, Add	*3.81*	
		For >50 To 250, Add	*0.71*	
		For >1,000, Deduct	*-0.35*	
		For Installation On Wall, Add	*0.71*	
		For Installation On Ceiling, Add	*1.77*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.36	1.06
		For Up To 50, Add	*4.51*	
		For >50 To 250, Add	*0.85*	
		For >1,000, Deduct	*-0.42*	
		For Installation On Wall, Add	*0.85*	
		For Installation On Ceiling, Add	*2.12*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.51	1.23
		For Up To 50, Add	*5.33*	
		For >50 To 250, Add	*0.99*	
		For >1,000, Deduct	*-0.49*	
		For Installation On Wall, Add	*0.99*	
		For Installation On Ceiling, Add	*2.47*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	4.01	0.99
		For Up To 50, Add	*2.91*	
		For >50 To 250, Add	*0.51*	
		For >1,000, Deduct	*-0.25*	
		For Installation On Wall, Add	*0.51*	
		For Installation On Ceiling, Add	*1.27*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	5.21	1.13
		For Up To 50, Add	*3.42*	
		For >50 To 250, Add	*0.56*	
		For >1,000, Deduct	*-0.28*	
		For Installation On Wall, Add	*0.56*	
		For Installation On Ceiling, Add	*1.41*	

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.72	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.57*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.15*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.86	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.63*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.15*	
09 29 10 00-0005	SF	1/2" Gypsum Board	2.05	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.42*	
		For >1,536, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0006	SF	5/8" Gypsum Board	2.42	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.82*	
		For >128 To 320, Add	*0.49*	
		For >1,536, Deduct	*-0.20*	
09 29 10 00-0007		Fire Rated Gypsum Board Application *(09 29 10 00-0001)*		
09 29 10 00-0008		Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*		
09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	2.57	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.88*	
		For >128 To 320, Add	*0.53*	
		For >1,536, Deduct	*-0.20*	
09 29 10 00-0010		Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*		
09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	2.36	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.79*	
		For >128 To 320, Add	*0.48*	
		For >1,536, Deduct	*-0.19*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	2.66	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.90*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.21*	
09 29 10 00-0013		Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*		
09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.68	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.11*	
		For >128 To 320, Add	*0.65*	
		For >1,536, Deduct	*-0.37*	
09 29 10 00-0015		Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Water-resistant gypsum core.		
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	2.25	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.74*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.19*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	2.93	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.92*	
		For >128 To 320, Add	*0.55*	
		For >1,536, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	4.31	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.12*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.52*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	4.50	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*1.19*	
		For >128 To 320, Add	*0.67*	
		For >1,536, Deduct	*-0.53*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	4.72	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.28*	
		For >128 To 320, Add	*0.72*	
		For >1,536, Deduct	*-0.54*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	5.22	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.36*	
		For >128 To 320, Add	*0.76*	
		For >1,536, Deduct	*-0.62*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	8.03	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.98*	
		For >128 To 320, Add	*1.08*	
		For >1,536, Deduct	*-1.02*	
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*		
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.64	0.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.82*	
		For >128 To 320, Add	*0.48*	
		For >1,536, Deduct	*-0.25*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	3.13	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.96*	
		For >128 To 320, Add	*0.57*	
		For >1,536, Deduct	*-0.30*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.13	0.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.95*	
		For >128 To 320, Add	*0.55*	
		For >1,536, Deduct	*-0.31*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.51	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.07*	
		For >128 To 320, Add	*0.63*	
		For >1,536, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0029		**Impact Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.42	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*0.83*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.22*	
		For >128 To 320, Add	*0.69*	
		For >1,536, Deduct	*-0.50*	
09 29 10 00-0031		**Abuse Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	3.21	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*0.83*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.97*	
		For >128 To 320, Add	*0.57*	
		For >1,536, Deduct	*-0.32*	
09 29 10 00-0033		**Noise Reducing Gypsum Board** *(09 29 10 00-0001)*		
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.92	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.52*	
		For >128 To 320, Add	*0.85*	
		For >1,536, Deduct	*-0.72*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	7.17	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.77*	
		For >128 To 320, Add	*0.97*	
		For >1,536, Deduct	*-0.91*	
09 29 10 00-0036		**Finishing Gypsum Board Applications** *(09 29 10)*		
		Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 10 00-0037		**Finish Gypsum Board Walls, ASTM C840 Level 4** *(09 29 10 00-0036)*		
09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.81	
		For Up To 128, Add	*0.31*	
		For >128 To 320, Add	*0.19*	
		For >5,400, Deduct	*-0.08*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.38*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.60*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.07	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.41*	
		For >128 To 320, Add	*0.26*	
		For >5,400, Deduct	*-0.11*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.51*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.26*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0040		**Finish Gypsum Board Ceilings, ASTM C840 Level 4** *(09 29 10 00-0036)*		
09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.04	
		For Up To 128, Add	*0.40*	
		For >128 To 320, Add	*0.25*	
		For >5,400, Deduct	*-0.10*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.50*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.25*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.77*	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.39	
		For Up To 128, Add	*0.54*	
		For >128 To 320, Add	*0.34*	
		For >5,400, Deduct	*-0.14*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.67*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.34*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.03*	
09 29 10 00-0043		**Finish Gypsum Board Vertical Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.60	
		For ASTM C840 Level 1 Finish, Deduct	*-0.74*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.37*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.15*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.17*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.91	
		For ASTM C840 Level 1 Finish, Deduct	*-0.90*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.45*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.40*	
09 29 10 00-0046		**Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.86	
		For ASTM C840 Level 1 Finish, Deduct	*-0.87*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.44*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.37*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	2.23	
		For ASTM C840 Level 1 Finish, Deduct	*-1.06*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.53*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.64*	
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	5.12	1.41
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	4.92	1.41
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.68	1.69
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.73	1.69
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.93	1.69
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.04	1.69
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.29	1.69
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.54	1.69
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.79	1.69
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.60	1.69
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.41	1.69
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.86	1.83
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.86	1.83
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.42	1.83
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.52	1.83
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.87	1.83
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.02	1.83
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.22	1.83
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.13	1.83
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	10.04	1.83
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	13.72	2.12
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	15.24	2.12
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	6.16	1.76
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	6.56	1.76
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	7.66	1.95
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	8.04	2.12
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.20	1.76
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.61	1.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.71	1.95
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	13.09	2.12
09 29 10 00-0083		Bevel Trim For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	6.56	1.76
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	7.50	1.95
09 29 10 00-0086		Trim/Wainscot Caps For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	8.90	2.12
09 29 10 00-0088		Single Fin Wall/Trim Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.30	1.13
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.41	1.27
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.38	1.41
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.85	1.55
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.30	1.69
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.45	1.69
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.90	1.69
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.76	1.69
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.06	1.69
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.87	1.83
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.97	1.83
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.53	1.83
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.78	1.83
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.98	1.83
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.23	1.83
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.59	1.83
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.50	1.83
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.25	1.83
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.68	1.83
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	18.32	1.83
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.77	1.83
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	13.17	1.83
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.54	1.83
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.69	1.83
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	16.66	1.83
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	13.73	1.83
09 29 10 00-0115		'V' Groove Wall Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.84	2.54
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	11.28	2.82
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.85	3.39
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	13.11	3.67
09 29 10 00-0120		Double Fin Wall Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.11	1.69
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.21	1.69
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.31	1.69
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.31	1.69
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.76	1.69
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.96	1.67
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.17	1.69
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.62	1.69
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.38	1.69
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.19	1.69
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.64	1.83
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.74	1.83
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.94	1.83
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.40	1.83
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.60	1.83
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.75	1.83
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.25	1.83
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.06	1.83
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.87	1.83
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	15.04	1.83
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.58	1.83
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	17.64	2.01
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.10	2.45
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.75	2.45
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	16.02	1.67
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.00	2.45
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.77	1.67
09 29 10 00-0148		Special Conditions Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0149		Radius Conditions *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	126.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	126.22	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	126.22	
09 29 10 00-0153		Knee Brace Kit *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	277.62	17.64
09 29 10 00-0155		Wall Bumper Rail *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	39.35	7.05
09 29 10 00-0157		Corners For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.45	1.69
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.03	1.83
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.99	1.91
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	11.13	2.01
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.48	2.45
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.61	2.75
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.92	3.15
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	22.95	3.68
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	31.51	4.90
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.42	1.63
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	15.32	2.21
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	11.13	2.21
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	19.76	2.21
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	28.03	2.75
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	26.92	2.75
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	8.32	1.91
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	8.38	1.83
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.40	1.69
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.83	1.83
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	11.79	2.01
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.37	1.69
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.95	1.83
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	15.93	2.01
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	17.44	1.69
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	30.07	3.68
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	32.09	3.68
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	59.30	6.13
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	98.13	8.68
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	10.04	1.88
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	11.43	1.98
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.74	2.42
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.82	2.72
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	23.72	3.10
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	25.68	3.62
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	29.29	4.83
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.71	3.62
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.96	3.62
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.58	3.62
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	21.08	3.62

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001		Shaft Wall *(09 29 82)* See CSI section 09 29 10 00-0036 for finishing drywall.		
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	8.77	3.53
		For Horizontal Installation Up To 10' High, Add	*2.40*	
		For Horizontal Installation >10' High, Add	*3.53*	
		For Walls >10' High, Add	*0.56*	
		For Up To 128, Add	*3.17*	
		For >128 To 320, Add	*1.94*	
		For >1,536, Deduct	*-0.61*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	10.23	4.23
		For Horizontal Installation Up To 10' High, Add	*2.88*	
		For Horizontal Installation >10' High, Add	*4.24*	
		For Walls >10' High, Add	*0.68*	
		For Up To 128, Add	*3.74*	
		For >128 To 320, Add	*2.29*	
		For >1,536, Deduct	*-0.69*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.08	2.72
		For Horizontal Installation Up To 10' High, Add	*1.85*	
		For Horizontal Installation >10' High, Add	*2.72*	
		For Walls >10' High, Add	*0.43*	
		For Up To 128, Add	*2.90*	
		For >128 To 320, Add	*1.72*	
		For Glass Mat Surfaces, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.71	2.85
		For Horizontal Installation Up To 10' High, Add	*1.94*	
		For Horizontal Installation >10' High, Add	*2.86*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.08*	
		For >128 To 320, Add	*1.83*	
		For Glass Mat Surfaces, Add	*0.42*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	10.62	2.85
		For Horizontal Installation Up To 10' High, Add	*1.94*	
		For Horizontal Installation >10' High, Add	*2.86*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.27*	
		For >128 To 320, Add	*1.92*	
		For Glass Mat Surfaces, Add	*0.42*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	11.26	2.99
		For Horizontal Installation Up To 10' High, Add	*2.04*	
		For Horizontal Installation >10' High, Add	*3.00*	
		For Walls >10' High, Add	*0.48*	
		For Up To 128, Add	*3.45*	
		For >128 To 320, Add	*2.02*	
		For Glass Mat Surfaces, Add	*0.42*	

09 30 Tiling *(09)*

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	19.48	4.15
		For Up To 50, Add	*11.07*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.70*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	14.11	4.15
		For Up To 50, Add	*9.73*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.70*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	16.18	2.58
		For Up To 50, Add	*11.80*	
		For >50 To 250, Add	*2.07*	
		For >1,000, Deduct	*-1.03*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.01*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.19*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	21.24	5.02
		For Up To 50, Add	*12.83*	
		For >50 To 250, Add	*2.01*	
		For >1,000, Deduct	*-1.00*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.96*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.14*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	15.87	5.02
		For Up To 50, Add	*11.49*	
		For >50 To 250, Add	*2.01*	
		For >1,000, Deduct	*-1.00*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.96*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.14*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	18.53	3.18
		For Up To 50, Add	*14.15*	
		For >50 To 250, Add	*2.54*	
		For >1,000, Deduct	*-1.27*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.36*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.54*	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	23.23	8.71
		For High-Modulus, High-Strength Epoxy Grout, Add	*3.07*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*3.25*	
		For Up To 50, Add	*18.85*	
		For >50 To 250, Add	*3.48*	
		For >1,000, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile	26.72	5.22
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*3.59*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*3.77*	
		For Up To 50, Add	*22.34*	
		For >50 To 250, Add	*4.18*	
		For >1,000, Deduct	*-2.09*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim	15.93	3.62
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.40*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.49*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	24.43	3.62
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.40*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.49*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	27.14	3.62
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.40*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.49*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	19.86	0.79

09 30 13 00-0014 Residential Ceramic Tiling *(09 30 13)*

09 30 13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade	11.95	4.15
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*9.19*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.70*	
09 30 13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade	13.71	5.02
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*10.95*	
		For >50 To 250, Add	*2.01*	
		For >1,000, Deduct	*-1.00*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.96*	
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade	14.23	4.15
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*9.76*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.70*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile	15.93	2.91
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*12.68*	
		For >50 To 250, Add	*2.32*	
		For >1,000, Deduct	*-1.16*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.20*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.38*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	29.66	2.91
		For Up To 50, Add	*16.11*	
		For >50 To 250, Add	*2.32*	
		For >1,000, Deduct	*-1.16*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.20*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.38*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile	18.25	3.44
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*15.00*	
		For >50 To 250, Add	*2.78*	
		For >1,000, Deduct	*-1.39*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.55*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.73*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	31.98	3.44
		For Up To 50, Add	*18.43*	
		For >50 To 250, Add	*2.78*	
		For >1,000, Deduct	*-1.39*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.55*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.73*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	22.20	3.83
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.53*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.62*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	44.71	3.83
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.53*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.62*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	2.32	1.38
		For Up To 50, Add	*2.13*	
		For >50 To 250, Add	*0.41*	
		For >1,000, Deduct	*-0.21*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	1.33	
			For Up To 50, Add	*1.33*	
			For >50 To 250, Add	*0.27*	
			For >1,000, Deduct	*-0.13*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

	09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.	5.67	2.75
			For Up To 50, Add	*4.52*	
			For >50 To 250, Add	*0.83*	
			For >1,000, Deduct	*-0.41*	
			For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
	09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.	8.01	3.69
			For Up To 50, Add	*6.14*	
			For >50 To 250, Add	*1.10*	
			For >1,000, Deduct	*-0.55*	
			For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
	09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 Lb. felt and expanded metal lath.	18.98	8.27
			For Up To 50, Add	*17.17*	
			For >50 To 250, Add	*3.31*	
			For >1,000, Deduct	*-1.66*	
			For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
			For Installation Without Felt And Metal Lath, Deduct	*-2.63*	

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,565.19	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,796.45	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,635.26	

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	190.34	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	179.51	

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	370.87	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	736.22	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	906.72	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	663.15	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	736.22	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	784.94	

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	324.30	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	324.30	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	494.80	

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.82	
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	6.67	

09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*

09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	5.16	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling *(09 35 13)*

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar	6.83	1.82
		Note: Impact and chemical resistant.		
		For Up To 50, Add	*3.78*	
		For >50 To 250, Add	*0.55*	
		For >1,000, Deduct	*-0.28*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001 Tile Substrate (Schluter® KERDI BOARD) *(09 39)*

09 39 00 00-0002	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	10.05	0.99
09 39 00 00-0003	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.30	1.13

09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0005	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.76	
09 39 00 00-0006	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.89	
09 39 00 00-0007	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	5.02	
09 39 00 00-0008	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	5.25	
09 39 00 00-0009	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.14	
09 39 00 00-0010	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.32	
09 39 00 00-0011	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.45	
09 39 00 00-0012	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.59	
09 39 00 00-0013	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.97	
09 39 00 00-0014	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	6.59	
09 39 00 00-0015	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.17	
09 39 00 00-0016	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.46	
09 39 00 00-0017	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.75	
09 39 00 00-0018	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	8.04	
09 39 00 00-0019	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.36	
09 39 00 00-0020	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.65	
09 39 00 00-0021	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.96	

09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0023	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.33	
09 39 00 00-0024	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.64	
09 39 00 00-0025	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	7.09	
09 39 00 00-0026	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	7.55	
09 39 00 00-0027	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.95	
09 39 00 00-0028	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.53	
09 39 00 00-0029	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.10	
09 39 00 00-0030	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	9.11	

09 50 Ceilings *(09)*

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

Note: Includes square edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.28	0.56
		For Up To 50, Add	*2.12*	
		For >50 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.56*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.74*	
		For Individual Room Quantities <495, Add	*1.29*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.22	0.56
		For Up To 50, Add	*2.12*	
		For >50 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.74*	
		For Individual Room Quantities <495, Add	*1.29*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.82	0.71
		For Up To 50, Add	*2.27*	
		For >50 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.59*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.79*	
		For Individual Room Quantities <495, Add	*1.38*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.92	0.71
		For Up To 50, Add	*2.28*	
		For >50 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.79*	
		For Individual Room Quantities <495, Add	*1.39*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	10.19	0.71
		For Up To 50, Add	*2.32*	
		For >50 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.81*	
		For Individual Room Quantities <495, Add	*1.42*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	10.18	0.71
		For Up To 50, Add	*2.32*	
		For >50 To 200, Add	*1.41*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.81*	
		For Individual Room Quantities <495, Add	*1.41*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.60	0.71
		For Up To 50, Add	*2.38*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.63*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.84*	
		For Individual Room Quantities <495, Add	*1.46*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.59	0.71
		For Up To 50, Add	*2.38*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.63*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.84*	
		For Individual Room Quantities <495, Add	*1.46*	
		For Ceilings >10' High, Add	*0.15*	

09 51 13 00-0011 Mineral Fiber Panels *(09 51 13)*

09 51 13 00-0012 Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.70	0.56
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.64*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.68	0.85
		For Up To 50, Add	*1.13*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.63*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.16	0.56
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.15	0.85
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.47	0.56
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.47	0.56
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.71	0.85
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.72	0.85
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	4.04	0.85
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.45	0.56
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.43	0.85
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.93	0.56
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.76*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.16	0.56
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.15	0.56
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.47	0.56
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.19	0.56
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.69*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.18	0.56
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.63	0.56
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.73*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.63	0.56
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.73*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.81	0.56
		For Up To 50, Add	*1.30*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.45	0.56
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.71	0.56
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.47	0.56
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0036	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.50	0.56
		For Up To 50, Add	*1.26*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.72*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.81	0.85
		For Up To 50, Add	*1.30*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.74	0.85
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.74*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.19	0.85
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.19	0.85
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	9.76	0.99
		For Vertical Application, Add	*0.82*	
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.00	0.56
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.99	0.56
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.66	0.56
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.83*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.27	0.56
		For Up To 50, Add	*1.37*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.79*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.21	0.56
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.21	0.56
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.42	0.56
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.59	0.56
		For Up To 50, Add	*1.42*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.83*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.83	0.56
		For Up To 50, Add	*1.46*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.85*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.79	0.56
		For Up To 50, Add	*1.45*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.85*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.66	0.85
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.83*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.66	0.85
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.83*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	5.03	0.56
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.42*	
		For Individual Room Quantities <495, Add	*0.87*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.92	0.56
		For Up To 50, Add	*1.47*	
		For >50 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.86*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	6.00	0.85
		For Up To 50, Add	*1.63*	
		For >50 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.97*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.95	0.85
		For Up To 50, Add	*1.62*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.96*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	6.00	0.85
		For Up To 50, Add	*1.63*	
		For >50 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.97*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.95	0.85
		For Up To 50, Add	*1.62*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.96*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.56	0.56
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.51	0.85
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.49	0.85
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	7.00	0.56
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.07*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	7.00	0.56
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.07*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.53	0.56
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.53	0.56
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.53	0.56
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.53	0.56
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.02*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	7.03	0.71
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	7.03	0.71
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	7.03	0.71
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	7.03	0.71
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.34	0.56
		For Up To 50, Add	*1.83*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.60*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.34	0.56
		For Up To 50, Add	*1.83*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.60*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.34	0.56
		For Up To 50, Add	*1.83*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.60*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.33	0.56
		For Up To 50, Add	*2.04*	
		For >50 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.23*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.21	0.56
		For Up To 50, Add	*2.02*	
		For >50 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.22*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.27	0.56
		For Up To 50, Add	*2.03*	
		For >50 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.22*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.74	0.56
		For Up To 50, Add	*1.89*	
		For >50 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.48*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.14*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.60	0.56
		For Up To 50, Add	*1.87*	
		For >50 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.47*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.13*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.42	0.71
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.68*	
		For Individual Room Quantities <495, Add	*1.24*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.42	0.71
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.68*	
		For Individual Room Quantities <495, Add	*1.24*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.42	0.56
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.68*	
		For Individual Room Quantities <495, Add	*1.24*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.42	0.71
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.68*	
		For Individual Room Quantities <495, Add	*1.24*	
		For Vertical Application, Add	*0.89*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	3.09	0.56
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	3.18	0.56
		For Individual Room Quantities <495, Add	*0.68*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	4.69	0.56
		For Individual Room Quantities <495, Add	*0.84*	
		For Vertical Application, Add	*0.82*	
		For Ceilings >10' High, Add	*0.14*	

09 51 13 00-0088 Clean Room, Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0089	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	7.20	0.85
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.04*	
		For Vertical Application, Add	*0.72*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0090	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	7.18	0.85
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.03*	
		For Vertical Application, Add	*0.71*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0091	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	13.25	0.85
		For Up To 50, Add	*2.63*	
		For >50 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.74*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.03*	
		For Individual Room Quantities <495, Add	*1.65*	
		For Vertical Application, Add	*0.72*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0092	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	13.09	0.85
		For Up To 50, Add	*2.59*	
		For >50 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.73*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.02*	
		For Individual Room Quantities <495, Add	*1.62*	
		For Vertical Application, Add	*0.71*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0093	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	13.00	0.85
		For Up To 50, Add	*2.59*	
		For >50 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.73*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.02*	
		For Individual Room Quantities <495, Add	*1.62*	
		For Vertical Application, Add	*0.72*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0094	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	12.95	0.85
		For Up To 50, Add	*2.57*	
		For >50 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.73*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.01*	
		For Individual Room Quantities <495, Add	*1.61*	
		For Vertical Application, Add	*0.71*	
		For Ceilings >10' High, Add	*0.12*	

09 51 13 00-0095 Vinyl Faced, Gypsum Core Panels *(09 51 13)*

Note: National Gypsum Gold Bond Gridstone.

09 51 13 00-0096	SF	2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	6.62	0.56
		For Up To 50, Add	*1.62*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*0.98*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0097	SF	2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	6.45	0.56
		For Up To 50, Add	*1.60*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.52*	
		For Individual Room Quantities <495, Add	*0.96*	
		For Ceilings >10' High, Add	*0.12*	

09 51 13 00-0098 Wood Fiber Panels *(09 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0099	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.77	0.85
		For Up To 50, Add	*2.32*	
		For >50 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.56*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.72*	
		For Individual Room Quantities <495, Add	*1.38*	
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0100	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.51	0.85
		For Up To 50, Add	*2.18*	
		For >50 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.54*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.69*	
		For Individual Room Quantities <495, Add	*1.30*	
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0101	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.56	0.85
		For Up To 50, Add	*2.74*	
		For >50 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.93*	
		For Individual Room Quantities <495, Add	*1.66*	
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0102	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.30	0.85
		For Up To 50, Add	*2.60*	
		For >50 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.90*	
		For Individual Room Quantities <495, Add	*1.58*	
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0103	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	14.26	0.85
		For Up To 50, Add	*3.15*	
		For >50 To 200, Add	*1.93*	
		For >200 To 500, Add	*0.84*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.13*	
		For Individual Room Quantities <495, Add	*1.93*	
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0104	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	14.00	0.85
		For Up To 50, Add	*3.00*	
		For >50 To 200, Add	*1.85*	
		For >200 To 500, Add	*0.81*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.11*	
		For Individual Room Quantities <495, Add	*1.85*	
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0105	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	10.41	0.85
		For Up To 50, Add	*2.57*	
		For >50 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.65*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.84*	
		For Individual Room Quantities <495, Add	*1.55*	
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0106	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	10.15	0.85
		For Up To 50, Add	*2.43*	
		For >50 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.82*	
		For Individual Room Quantities <495, Add	*1.47*	
		For Ceilings >10' High, Add	*0.17*	

09 51 13 00-0107 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0108	SF	Removal And Reinstallation Of Acoustical Panels Only	2.89	
		For Up To 50, Add	*1.59*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.29*	
		For Ceilings >10' High, Add	*0.22*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	6.85	1.55
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.44*	
		For >50 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.52*	
		For >2,500, Deduct	*-0.34*	
		For Ceilings >10' High, Add	*0.26*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	8.10	1.55
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.63*	
		For >50 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.58*	
		For >2,500, Deduct	*-0.41*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.26*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	9.09	1.55
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.78*	
		For >50 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.63*	
		For >2,500, Deduct	*-0.45*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.26*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	6.33	1.55
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.36*	
		For >50 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.49*	
		For >2,500, Deduct	*-0.32*	
		For Ceilings >10' High, Add	*0.26*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001 Acoustical Snap-In Metal Pan Ceilings *(09 51 33 13)*

09 51 33 13-0002 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13-0001)*

09 51 33 13-0003	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.30	1.23
		For Up To 50, Add	*4.63*	
		For >50 To 200, Add	*2.92*	
		For >200 To 500, Add	*1.34*	
		For >2,500 To 4,000, Deduct	*-0.61*	
		For >4,000 To 5,000, Deduct	*-1.22*	
		For >5,000, Deduct	*-1.88*	
		For Ceilings >10' High, Add	*0.19*	
09 51 33 13-0004	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	25.99	1.23
		For Up To 50, Add	*4.89*	
		For >50 To 200, Add	*3.09*	
		For >200 To 500, Add	*1.42*	
		For >2,500 To 4,000, Deduct	*-0.65*	
		For >4,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-2.01*	
		For Ceilings >10' High, Add	*0.19*	

09 51 33 13-0005 Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13-0001)*

09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.17	1.41
		For Up To 50, Add	*3.85*	
		For >50 To 200, Add	*2.38*	
		For >200 To 500, Add	*1.05*	
		For >2,500 To 4,000, Deduct	*-0.45*	
		For >4,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.43*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.72	1.41
		For Up To 50, Add	*5.74*	
		For >50 To 200, Add	*3.64*	
		For >200 To 500, Add	*1.68*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-2.37*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.96	1.41
		For Up To 50, Add	*10.12*	
		For >50 To 200, Add	*6.56*	
		For >200 To 500, Add	*3.14*	
		For >2,500 To 4,000, Deduct	*-1.50*	
		For >4,000 To 5,000, Deduct	*-3.00*	
		For >5,000, Deduct	*-4.57*	
		For Ceilings >10' High, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0009	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.24	1.41
		For Up To 50, Add	*5.21*	
		For >50 To 200, Add	*3.29*	
		For >200 To 500, Add	*1.50*	
		For >2,500 To 4,000, Deduct	*-0.68*	
		For >4,000 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-2.11*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.18	1.41
		For Up To 50, Add	*4.01*	
		For >50 To 200, Add	*2.48*	
		For >200 To 500, Add	*1.10*	
		For >2,500 To 4,000, Deduct	*-0.48*	
		For >4,000 To 5,000, Deduct	*-0.96*	
		For >5,000, Deduct	*-1.51*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.93	1.41
		For Up To 50, Add	*5.62*	
		For >50 To 200, Add	*3.56*	
		For >200 To 500, Add	*1.64*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.32*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.51	1.41
		For Up To 50, Add	*10.05*	
		For >50 To 200, Add	*6.52*	
		For >200 To 500, Add	*3.12*	
		For >2,500 To 4,000, Deduct	*-1.49*	
		For >4,000 To 5,000, Deduct	*-2.98*	
		For >5,000, Deduct	*-4.53*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0013	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.02	1.41
		For Up To 50, Add	*5.18*	
		For >50 To 200, Add	*3.27*	
		For >200 To 500, Add	*1.49*	
		For >2,500 To 4,000, Deduct	*-0.68*	
		For >4,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-2.10*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.67	1.41
		For Up To 50, Add	*4.83*	
		For >50 To 200, Add	*3.03*	
		For >200 To 500, Add	*1.37*	
		For >2,500 To 4,000, Deduct	*-0.62*	
		For >4,000 To 5,000, Deduct	*-1.23*	
		For >5,000, Deduct	*-1.92*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.40	1.41
		For Up To 50, Add	*5.99*	
		For >50 To 200, Add	*3.80*	
		For >200 To 500, Add	*1.76*	
		For >2,500 To 4,000, Deduct	*-0.81*	
		For >4,000 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-2.50*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.12	1.41
		For Up To 50, Add	*11.05*	
		For >50 To 200, Add	*7.18*	
		For >200 To 500, Add	*3.45*	
		For >2,500 To 4,000, Deduct	*-1.65*	
		For >4,000 To 5,000, Deduct	*-3.31*	
		For >5,000, Deduct	*-5.03*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0017	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.06	1.41
		For Up To 50, Add	*5.94*	
		For >50 To 200, Add	*3.77*	
		For >200 To 500, Add	*1.74*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.60*	
		For >5,000, Deduct	*-2.48*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.12	1.41
		For Up To 50, Add	*5.05*	
		For >50 To 200, Add	*3.18*	
		For >200 To 500, Add	*1.45*	
		For >2,500 To 4,000, Deduct	*-0.65*	
		For >4,000 To 5,000, Deduct	*-1.31*	
		For >5,000, Deduct	*-2.03*	
		For Ceilings >10' High, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.18	1.41
		For Up To 50, Add	*6.11*	
		For >50 To 200, Add	*3.88*	
		For >200 To 500, Add	*1.80*	
		For >2,500 To 4,000, Deduct	*-0.83*	
		For >4,000 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-2.56*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.36	1.41
		For Up To 50, Add	*11.38*	
		For >50 To 200, Add	*7.40*	
		For >200 To 500, Add	*3.56*	
		For >2,500 To 4,000, Deduct	*-1.71*	
		For >4,000 To 5,000, Deduct	*-3.42*	
		For >5,000, Deduct	*-5.20*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0021	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.84	1.41
		For Up To 50, Add	*6.05*	
		For >50 To 200, Add	*3.85*	
		For >200 To 500, Add	*1.78*	
		For >2,500 To 4,000, Deduct	*-0.82*	
		For >4,000 To 5,000, Deduct	*-1.64*	
		For >5,000, Deduct	*-2.53*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.31	1.41
		For Up To 50, Add	*4.47*	
		For >50 To 200, Add	*2.80*	
		For >200 To 500, Add	*1.26*	
		For >2,500 To 4,000, Deduct	*-0.56*	
		For >4,000 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-1.74*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.43	1.41
		For Up To 50, Add	*6.59*	
		For >50 To 200, Add	*4.21*	
		For >200 To 500, Add	*1.96*	
		For >2,500 To 4,000, Deduct	*-0.91*	
		For >4,000 To 5,000, Deduct	*-1.82*	
		For >5,000, Deduct	*-2.80*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.66	1.41
		For Up To 50, Add	*10.83*	
		For >50 To 200, Add	*7.03*	
		For >200 To 500, Add	*3.37*	
		For >2,500 To 4,000, Deduct	*-1.62*	
		For >4,000 To 5,000, Deduct	*-3.23*	
		For >5,000, Deduct	*-4.92*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0025	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.28	1.41
		For Up To 50, Add	*5.82*	
		For >50 To 200, Add	*3.69*	
		For >200 To 500, Add	*1.71*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.42*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.99	1.41
		For Up To 50, Add	*4.73*	
		For >50 To 200, Add	*2.96*	
		For >200 To 500, Add	*1.34*	
		For >2,500 To 4,000, Deduct	*-0.60*	
		For >4,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.87*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.88	1.41
		For Up To 50, Add	*6.66*	
		For >50 To 200, Add	*4.25*	
		For >200 To 500, Add	*1.99*	
		For >2,500 To 4,000, Deduct	*-0.92*	
		For >4,000 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-2.84*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	67.01	1.41
		For Up To 50, Add	*11.18*	
		For >50 To 200, Add	*7.27*	
		For >200 To 500, Add	*3.49*	
		For >2,500 To 4,000, Deduct	*-1.68*	
		For >4,000 To 5,000, Deduct	*-3.35*	
		For >5,000, Deduct	*-5.10*	
		For Ceilings >10' High, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0029	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.28	1.41
		For Up To 50, Add	*5.97*	
		For >50 To 200, Add	*3.79*	
		For >200 To 500, Add	*1.76*	
		For >2,500 To 4,000, Deduct	*-0.81*	
		For >4,000 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-2.49*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.70	1.41
		For Up To 50, Add	*3.78*	
		For >50 To 200, Add	*2.33*	
		For >200 To 500, Add	*1.03*	
		For >2,500 To 4,000, Deduct	*-0.44*	
		For >4,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.40*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.11	1.41
		For Up To 50, Add	*5.19*	
		For >50 To 200, Add	*3.28*	
		For >200 To 500, Add	*1.50*	
		For >2,500 To 4,000, Deduct	*-0.68*	
		For >4,000 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-2.10*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.24	1.41
		For Up To 50, Add	*9.56*	
		For >50 To 200, Add	*6.19*	
		For >200 To 500, Add	*2.95*	
		For >2,500 To 4,000, Deduct	*-1.41*	
		For >4,000 To 5,000, Deduct	*-2.81*	
		For >5,000, Deduct	*-4.29*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0033	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.76	1.41
		For Up To 50, Add	*4.99*	
		For >50 To 200, Add	*3.14*	
		For >200 To 500, Add	*1.43*	
		For >2,500 To 4,000, Deduct	*-0.64*	
		For >4,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-2.00*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.82	1.41
		For Up To 50, Add	*3.95*	
		For >50 To 200, Add	*2.45*	
		For >200 To 500, Add	*1.08*	
		For >2,500 To 4,000, Deduct	*-0.47*	
		For >4,000 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.48*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.88	1.41
		For Up To 50, Add	*5.16*	
		For >50 To 200, Add	*3.25*	
		For >200 To 500, Add	*1.49*	
		For >2,500 To 4,000, Deduct	*-0.67*	
		For >4,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-2.09*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.35	1.41
		For Up To 50, Add	*9.58*	
		For >50 To 200, Add	*6.20*	
		For >200 To 500, Add	*2.96*	
		For >2,500 To 4,000, Deduct	*-1.41*	
		For >4,000 To 5,000, Deduct	*-2.82*	
		For >5,000, Deduct	*-4.30*	
		For Ceilings >10' High, Add	*0.21*	
09 51 33 13-0037	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.76	1.41
		For Up To 50, Add	*4.99*	
		For >50 To 200, Add	*3.14*	
		For >200 To 500, Add	*1.43*	
		For >2,500 To 4,000, Deduct	*-0.64*	
		For >4,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-2.00*	
		For Ceilings >10' High, Add	*0.21*	

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.92	1.06
		For Up To 50, Add	*3.69*	
		For >50 To 200, Add	*2.32*	
		For >200 To 500, Add	*1.05*	
		For >2,500 To 4,000, Deduct	*-0.47*	
		For >4,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.47*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.45	1.06
		For Up To 50, Add	*4.07*	
		For >50 To 200, Add	*2.57*	
		For >200 To 500, Add	*1.18*	
		For >2,500 To 4,000, Deduct	*-0.54*	
		For >4,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.66*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.53	1.06
		For Up To 50, Add	*5.58*	
		For >50 To 200, Add	*3.58*	
		For >200 To 500, Add	*1.68*	
		For >2,500 To 4,000, Deduct	*-0.79*	
		For >4,000 To 5,000, Deduct	*-1.58*	
		For >5,000, Deduct	*-2.42*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.77	1.06
		For Up To 50, Add	*4.86*	
		For >50 To 200, Add	*3.10*	
		For >200 To 500, Add	*1.44*	
		For >2,500 To 4,000, Deduct	*-0.67*	
		For >4,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-2.06*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.73	1.06
		For Up To 50, Add	*5.16*	
		For >50 To 200, Add	*3.30*	
		For >200 To 500, Add	*1.54*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.21*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	45.25	1.06
		For Up To 50, Add	*7.64*	
		For >50 To 200, Add	*4.95*	
		For >200 To 500, Add	*2.37*	
		For >2,500 To 4,000, Deduct	*-1.13*	
		For >4,000 To 5,000, Deduct	*-2.26*	
		For >5,000, Deduct	*-3.45*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.29	1.06
		For Up To 50, Add	*5.09*	
		For >50 To 200, Add	*3.25*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-2.17*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.10	1.06
		For Up To 50, Add	*6.11*	
		For >50 To 200, Add	*3.93*	
		For >200 To 500, Add	*1.86*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-2.69*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.45	1.06
		For Up To 50, Add	*5.12*	
		For >50 To 200, Add	*3.27*	
		For >200 To 500, Add	*1.53*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.19*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.31	1.06
		For Up To 50, Add	*6.14*	
		For >50 To 200, Add	*3.96*	
		For >200 To 500, Add	*1.87*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.77*	
		For >5,000, Deduct	*-2.70*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.59	1.06
		For Up To 50, Add	*5.14*	
		For >50 To 200, Add	*3.28*	
		For >200 To 500, Add	*1.54*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.20*	
		For Ceilings >10' High, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.17	1.06
		For Up To 50, Add	*6.12*	
		For >50 To 200, Add	*3.94*	
		For >200 To 500, Add	*1.86*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-2.69*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.59	1.06
		For Up To 50, Add	*5.14*	
		For >50 To 200, Add	*3.28*	
		For >200 To 500, Add	*1.54*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.20*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.45	1.06
		For Up To 50, Add	*6.17*	
		For >50 To 200, Add	*3.97*	
		For >200 To 500, Add	*1.88*	
		For >2,500 To 4,000, Deduct	*-0.89*	
		For >4,000 To 5,000, Deduct	*-1.77*	
		For >5,000, Deduct	*-2.71*	
		For Ceilings >10' High, Add	*0.16*	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	24.44	1.06
		For Up To 50, Add	*4.51*	
		For >50 To 200, Add	*2.87*	
		For >200 To 500, Add	*1.33*	
		For >2,500 To 4,000, Deduct	*-0.61*	
		For >4,000 To 5,000, Deduct	*-1.22*	
		For >5,000, Deduct	*-1.89*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.14	1.06
		For Up To 50, Add	*5.22*	
		For >50 To 200, Add	*3.34*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.24*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.27	1.06
		For Up To 50, Add	*5.54*	
		For >50 To 200, Add	*3.55*	
		For >200 To 500, Add	*1.67*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.40*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.37	1.06
		For Up To 50, Add	*5.25*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.26*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.15	1.06
		For Up To 50, Add	*5.37*	
		For >50 To 200, Add	*3.44*	
		For >200 To 500, Add	*1.61*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-2.31*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.94	1.06
		For Up To 50, Add	*5.64*	
		For >50 To 200, Add	*3.62*	
		For >200 To 500, Add	*1.70*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.60*	
		For >5,000, Deduct	*-2.45*	
		For Ceilings >10' High, Add	*0.16*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.83	1.06
		For Up To 50, Add	*3.52*	
		For >50 To 200, Add	*2.21*	
		For >200 To 500, Add	*1.00*	
		For >2,500 To 4,000, Deduct	*-0.45*	
		For >4,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.39*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.07	1.06
		For Up To 50, Add	*3.86*	
		For >50 To 200, Add	*2.43*	
		For >200 To 500, Add	*1.11*	
		For >2,500 To 4,000, Deduct	*-0.50*	
		For >4,000 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.56*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.36	1.06
		For Up To 50, Add	*5.10*	
		For >50 To 200, Add	*3.26*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.18*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.29	1.06
		For Up To 50, Add	*3.89*	
		For >50 To 200, Add	*2.45*	
		For >200 To 500, Add	*1.12*	
		For >2,500 To 4,000, Deduct	*-0.51*	
		For >4,000 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-1.57*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.98	1.06
		For Up To 50, Add	*4.30*	
		For >50 To 200, Add	*2.72*	
		For >200 To 500, Add	*1.26*	
		For >2,500 To 4,000, Deduct	*-0.57*	
		For >4,000 To 5,000, Deduct	*-1.15*	
		For >5,000, Deduct	*-1.78*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.93	1.06
		For Up To 50, Add	*5.49*	
		For >50 To 200, Add	*3.52*	
		For >200 To 500, Add	*1.65*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-2.37*	
		For Ceilings >10' High, Add	*0.16*	

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	5.55	0.71
		For Fastening To Concrete, Add	*1.78*	
		For Fastening To Steel, Add	*2.06*	
		For Vertical Application, Add	*2.68*	
		For Individual Room Quantities <495, Add	*0.58*	
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	4.48	0.71
		For UL Listed (Fire Guard), Add	*0.29*	
		For 1-1/2" Wide Faced Grid, Add	*0.53*	
		For Fastening To Concrete, Add	*1.73*	
		For Fastening To Steel, Add	*2.01*	
		For Vertical Application, Add	*2.25*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.48*	
		For Aluminum T-Bar System, Add	*0.86*	
		For Up To 50, Add	*1.70*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.19*	
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.75	0.71
		For UL Listed (Fire Guard), Add	*0.21*	
		For 1-1/2" Wide Faced Grid, Add	*0.39*	
		For Fastening To Concrete, Add	*1.71*	
		For Fastening To Steel, Add	*1.99*	
		For Vertical Application, Add	*2.07*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.42*	
		For Aluminum T-Bar System, Add	*0.63*	
		For Up To 50, Add	*1.51*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.23*	
		For Ceilings >10' High, Add	*0.18*	
		For Concealed Spline Grid, Add	*0.58*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.11	0.71
		For UL Listed (Fire Guard), Add	*0.17*	
		For 1-1/2" Wide Faced Grid, Add	*0.32*	
		For Fastening To Concrete, Add	*1.67*	
		For Fastening To Steel, Add	*1.95*	
		For Vertical Application, Add	*1.98*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.35*	
		For Aluminum T-Bar System, Add	*0.51*	
		For Up To 50, Add	*1.26*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Ceilings >10' High, Add	*0.15*	
		For Concealed Spline Grid, Add	*0.48*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.72	0.71
		For UL Listed (Fire Guard), Add	*0.15*	
		For 1-1/2" Wide Faced Grid, Add	*0.29*	
		For Fastening To Concrete, Add	*1.64*	
		For Fastening To Steel, Add	*1.92*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.31*	
		For Aluminum T-Bar System, Add	*0.46*	
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.17*	
		For Ceilings >10' High, Add	*0.13*	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	4.04	0.71
		For UL Listed (Fire Guard), Add	*0.25*	
		For Fastening To Concrete, Add	*1.71*	
		For Fastening To Steel, Add	*1.99*	
		For Vertical Application, Add	*2.07*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.44*	
		For Up To 50, Add	*1.55*	
		For >50 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.24*	
		For Ceilings >10' High, Add	*0.18*	
		For Black Grid, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.34	0.71
		For UL Listed (Fire Guard), Add	*0.20*	
		For Fastening To Concrete, Add	*1.67*	
		For Fastening To Steel, Add	*1.95*	
		For Vertical Application, Add	*1.98*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.37*	
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.20*	
		For Ceilings >10' High, Add	*0.15*	
		For Black Grid, Add	*0.17*	

09 53 23 00-0009 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.66	
		For 304 Stainless Steel, Add	*1.94*	
		For 316 Stainless Steel, Add	*2.18*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.42*	
09 53 23 00-0011	LF	1-1/2" Steel Running Channel For Suspended Ceiling	11.75	5.45
		For 304 Stainless Steel, Add	*7.61*	
		For 316 Stainless Steel, Add	*8.54*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.66*	
09 53 23 00-0012	EA	Suspended Support Bar For 1-1/2" Channel, Installed 4'-0" On Center Maximum Note: Includes 3" x 3" x 1/8" steel angle, 1" x 1/8" steel flat bar up to 4', drop clips, and 3/8" diameter bolts with nuts and washers.	80.44	29.96
		For 304 Stainless Steel, Add	*56.91*	
		For 316 Stainless Steel, Add	*63.90*	
		For Aluminum, Add	*3.59*	
		For Galvanized Steel, Add	*12.38*	
09 53 23 00-0013	EA	Suspended Support Rod For 1-1/2" Channel, Installed 4'-0" On Center Maximum Note: Includes 3" x 3" x 1/8" steel angle, 1/4" galvanized rod, and gat clip.	41.14	16.34
		For 304 Stainless Steel, Add	*24.08*	
		For 316 Stainless Steel, Add	*27.04*	
		For Aluminum, Add	*1.52*	
		For Galvanized Steel, Add	*5.24*	
09 53 23 00-0014	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.98	1.98
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
09 53 23 00-0015	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	5.67	2.12
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
09 53 23 00-0016	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.76	2.26
		For 304 Stainless Steel, Add	*8.84*	
		For 316 Stainless Steel, Add	*9.92*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
09 53 23 00-0017	LF	1-1/2" Steel T-Bar Channel For Suspended Ceiling	10.63	5.45
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
09 53 23 00-0018	LF	1/2" Lay-In Ceiling Angles For Suspended Ceiling Note: Use for supporting cove lighting grille in areas without a suspended ceiling system.	3.68	1.27
		For Ceilings >10' High, Add	*0.21*	
09 53 23 00-0019	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.06	
09 53 23 00-0020	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.21	
09 53 23 00-0021	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	8.72	0.41
09 53 23 00-0022	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	102.21	28.68
09 53 23 00-0023	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	106.00	29.23
09 53 23 00-0024	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	119.34	29.23

09 53 23 00-0025 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 53 23 00-0026	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	3.89	
		For Up To 50, Add	*2.14*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.29*	
		For Ceilings >10' High, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0027	SF	Removal And Reinstallation Of Grid System Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.	1.69	
		For Up To 50, Add	*0.93*	
		For >50 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.13*	
		For Ceilings >10' High, Add	*0.13*	

09 53 33 Plastic Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 33 00-0001 Fiberglass Reinforced Plastic Ceiling Suspension Systems *(09 53 33)*
Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.

09 53 33 00-0002	SF	2' x 2', Fiberglass Reinforced Plastic Ceilings Suspension System Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.	17.60	0.71
		For Ceilings >10' High, Add	*0.26*	
09 53 33 00-0003	SF	2' x 4', Fiberglass Reinforced Plastic Ceilings Suspension System Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.	15.45	0.71
		For Ceilings >10' High, Add	*0.20*	

09 54 Specialty Ceilings *(09 50)*

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	24.25	2.86
		For Up To 50, Add	*6.38*	
		For >50 To 200, Add	*3.80*	
		For >200 To 500, Add	*1.56*	
		For >2,500, Deduct	*-1.21*	
		For Ceilings >10' High, Add	*0.51*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.32*	
		For Curved Ceilings, Add	*1.59*	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.65	2.86
		For Up To 50, Add	*5.64*	
		For >50 To 200, Add	*3.31*	
		For >200 To 500, Add	*1.32*	
		For >2,500, Deduct	*-0.98*	
		For Ceilings >10' High, Add	*0.50*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.16*	
		For Curved Ceilings, Add	*1.56*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.86	2.86
		For Up To 50, Add	*5.31*	
		For >50 To 200, Add	*3.10*	
		For >200 To 500, Add	*1.22*	
		For >2,500, Deduct	*-0.89*	
		For Ceilings >10' High, Add	*0.49*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.44*	
		For Curved Ceilings, Add	*1.53*	

09 54 53 Fiberglass Reinforced Panel Ceilings *(09 54)*

09 54 53 00-0001 Fiberglass Reinforced Plastic Ceiling Panels *(09 54 53)*

09 54 53 00-0002	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class A Note: Excludes suspension system.	7.86	0.71
		For Up To 50, Add	*1.81*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.47*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.10*	
		For Ceilings >10' High, Add	*0.12*	
09 54 53 00-0003	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.12" Nominal Thickness, Fire Class A Note: Excludes suspension system.	10.43	0.71
		For Up To 50, Add	*2.20*	
		For >50 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.82*	
		For Individual Room Quantities <495, Add	*1.36*	
		For Ceilings >10' High, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 53 00-0004	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class C Note: Excludes suspension system.	5.10	0.71
		For Up To 50, Add	*1.39*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.42*	
		For Individual Room Quantities <495, Add	*0.82*	
		For Ceilings >10' High, Add	*0.12*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*
Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	3.62	2.82
09 61 13 00-0003	LF	2" Anti-Slip Tape	4.51	3.10
09 61 13 00-0004	LF	3" Anti-Slip Tape	5.41	3.42
09 61 13 00-0005	LF	4" Anti-Slip Tape	6.25	3.75
09 61 13 00-0006	LF	6" Anti-Slip Tape	7.89	4.13
09 61 13 00-0007	LF	12" Anti-Slip Tape	13.69	6.20
09 61 13 00-0008	LF	24" Anti-Slip Tape	19.43	9.30

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	32.46	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	35.98	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	22.53	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	25.73	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	23.97	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	28.21	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	25.34	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	30.72	12.82
		For Basket Weave Pattern, Add	*2.74*	
		For Herringbone Pattern, Add	*3.65*	
		For Epoxy Joints, Add	*6.29*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*
Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	22.54	7.94

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.70	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.72	
09 64 13 00-0004	SF	30 Lb., Waxed Paper, Wood Flooring Underlayment	0.75	
09 64 13 00-0005	SF	15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.82	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.75	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.81	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.75	0.49
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.86	0.49

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	1.11	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.33	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.42	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.69	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.71	0.33

09 64 23 Wood Parquet Flooring *(09 64)*

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	15.14	1.41
		For Up To 20, Add	*6.24*	
		For >20 To 50, Add	*3.28*	
		For >50 To 100, Add	*1.64*	
		For >100 To 300, Add	*0.82*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	15.83	1.41
		For Factory Finish, Add	*0.95*	
		For Random Width Floor, Add	*3.64*	
		For Up To 20, Add	*5.23*	
		For >20 To 50, Add	*2.85*	
		For >50 To 100, Add	*1.43*	
		For >100 To 300, Add	*0.71*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	13.25	1.41
		For Factory Finish, Add	*0.50*	
		For Random Width Floor, Add	*2.90*	
		For Up To 20, Add	*5.72*	
		For >20 To 50, Add	*2.99*	
		For >50 To 100, Add	*1.49*	
		For >100 To 300, Add	*0.75*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	13.89	1.41
		For Factory Finish, Add	*0.56*	
		For Random Width Floor, Add	*3.06*	
		For Up To 20, Add	*5.82*	
		For >20 To 50, Add	*3.05*	
		For >50 To 100, Add	*1.52*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	14.86	1.41
		For Factory Finish, Add	*0.66*	
		For Random Width Floor, Add	*3.30*	
		For Up To 20, Add	*5.96*	
		For >20 To 50, Add	*3.15*	
		For >50 To 100, Add	*1.57*	
		For >100 To 300, Add	*0.79*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.51	1.41
		For Factory Finish, Add	*0.52*	
		For Random Width Floor, Add	*2.56*	
		For Up To 20, Add	*4.58*	
		For >20 To 50, Add	*2.42*	
		For >50 To 100, Add	*1.21*	
		For >100 To 300, Add	*0.61*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.03	1.41
		For Factory Finish, Add	*0.57*	
		For Random Width Floor, Add	*2.69*	
		For Up To 20, Add	*4.66*	
		For >20 To 50, Add	*2.47*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	13.02	1.41
		For Factory Finish, Add	*0.67*	
		For Random Width Floor, Add	*2.94*	
		For Up To 20, Add	*4.81*	
		For >20 To 50, Add	*2.57*	
		For >50 To 100, Add	*1.29*	
		For >100 To 300, Add	*0.64*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	13.36	1.41
		For Factory Finish, Add	*0.51*	
		For Random Width Floor, Add	*2.93*	
		For Up To 20, Add	*5.74*	
		For >20 To 50, Add	*3.00*	
		For >50 To 100, Add	*1.50*	
		For >100 To 300, Add	*0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	14.00	1.41
		For Factory Finish, Add	*0.57*	
		For Random Width Floor, Add	*3.09*	
		For Up To 20, Add	*5.84*	
		For >20 To 50, Add	*3.06*	
		For >50 To 100, Add	*1.53*	
		For >100 To 300, Add	*0.77*	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	14.97	1.41
		For Factory Finish, Add	*0.67*	
		For Random Width Floor, Add	*3.33*	
		For Up To 20, Add	*5.98*	
		For >20 To 50, Add	*3.16*	
		For >50 To 100, Add	*1.58*	
		For >100 To 300, Add	*0.79*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	11.62	1.41
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.59*	
		For Up To 20, Add	*4.60*	
		For >20 To 50, Add	*2.43*	
		For >50 To 100, Add	*1.22*	
		For >100 To 300, Add	*0.61*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	12.27	1.41
		For Factory Finish, Add	*0.59*	
		For Random Width Floor, Add	*2.75*	
		For Up To 20, Add	*4.70*	
		For >20 To 50, Add	*2.50*	
		For >50 To 100, Add	*1.25*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	13.13	1.41
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.97*	
		For Up To 20, Add	*4.83*	
		For >20 To 50, Add	*2.58*	
		For >50 To 100, Add	*1.29*	
		For >100 To 300, Add	*0.65*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.72	1.41
		For Factory Finish, Add	*0.74*	
		For Random Width Floor, Add	*3.52*	
		For Up To 20, Add	*6.09*	
		For >20 To 50, Add	*3.23*	
		For >50 To 100, Add	*1.62*	
		For >100 To 300, Add	*0.81*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.65	1.41
		For Factory Finish, Add	*0.64*	
		For Random Width Floor, Add	*3.25*	
		For Up To 20, Add	*5.93*	
		For >20 To 50, Add	*3.13*	
		For >50 To 100, Add	*1.56*	
		For >100 To 300, Add	*0.78*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	14.20	1.41
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*3.23*	
		For Up To 20, Add	*4.99*	
		For >20 To 50, Add	*2.69*	
		For >50 To 100, Add	*1.35*	
		For >100 To 300, Add	*0.67*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.13	1.41
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.97*	
		For Up To 20, Add	*4.83*	
		For >20 To 50, Add	*2.58*	
		For >50 To 100, Add	*1.29*	
		For >100 To 300, Add	*0.65*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	18.04	1.41
		For Factory Finish, Add	*0.97*	
		For Random Width Floor, Add	*4.10*	
		For Up To 20, Add	*6.44*	
		For >20 To 50, Add	*3.46*	
		For >50 To 100, Add	*1.73*	
		For >100 To 300, Add	*0.87*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	16.60	1.41
		For Factory Finish, Add	*0.83*	
		For Random Width Floor, Add	*3.74*	
		For Up To 20, Add	*6.23*	
		For >20 To 50, Add	*3.32*	
		For >50 To 100, Add	*1.66*	
		For >100 To 300, Add	*0.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.67	1.41
		For Factory Finish, Add	*1.03*	
		For Random Width Floor, Add	*3.85*	
		For Up To 20, Add	*5.36*	
		For >20 To 50, Add	*2.94*	
		For >50 To 100, Add	*1.47*	
		For >100 To 300, Add	*0.73*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.23	1.41
		For Factory Finish, Add	*0.89*	
		For Random Width Floor, Add	*3.49*	
		For Up To 20, Add	*5.14*	
		For >20 To 50, Add	*2.79*	
		For >50 To 100, Add	*1.40*	
		For >100 To 300, Add	*0.70*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	16.79	1.41
		For Up To 20, Add	*5.01*	
		For >20 To 50, Add	*2.79*	
		For >50 To 100, Add	*1.39*	
		For >100 To 300, Add	*0.70*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	16.79	1.41
		For Up To 20, Add	*5.01*	
		For >20 To 50, Add	*2.79*	
		For >50 To 100, Add	*1.39*	
		For >100 To 300, Add	*0.70*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	16.79	1.41
		For Up To 20, Add	*5.01*	
		For >20 To 50, Add	*2.79*	
		For >50 To 100, Add	*1.39*	
		For >100 To 300, Add	*0.70*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	17.18	1.41
		For Up To 20, Add	*5.07*	
		For >20 To 50, Add	*2.82*	
		For >50 To 100, Add	*1.41*	
		For >100 To 300, Add	*0.71*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	15.58	7.05
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	17.73	7.34
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	20.38	9.17
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	21.11	9.17
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	22.34	9.17
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	21.71	9.17
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	25.54	9.17
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 66 00-0010		**Prefinished Wood Exercise/Dance Floors** *(09 64 66)* Note: Includes factory sanded, sealed and finished beech and vent cove base. Excludes concrete repairs to subbase and thresholds.		
09 64 66 00-0011	SF	Prefinished Floating 7/8" Beech Wood Exercise/Dance Floor System, One Layer Of 3/4" Exeraire Air Cushioning Suspension System With Clips (Exerflex Classic) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" Exeraire air cushioning suspension system and heavy duty spring tempered steel retaining clips.	30.74	7.05

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001		**Type TV Thermoplastic Vinyl Wall Base** *(09 65 13 13)* Note: Includes inside and outside corners.		
09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.62	1.76
		For Up To 20, Add	*2.25*	
		For >20 To 40, Add	*1.27*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.58*	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.04	1.76
		For Up To 20, Add	*2.31*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.64*	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.41	1.76
		For Up To 20, Add	*2.37*	
		For >20 To 40, Add	*1.35*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.47*	
		For >960, Deduct	*-0.70*	
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.78	1.76
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	8.12	1.76
		For Up To 20, Add	*2.63*	
		For >20 To 40, Add	*1.52*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.64*	
		For >960, Deduct	*-0.95*	
09 65 13 13-0007		**Type TP Thermoplastic Rubber Wall Base** *(09 65 13 13)* Note: Includes inside and outside corners.		
09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.13	1.76
		For Up To 20, Add	*2.33*	
		For >20 To 40, Add	*1.32*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.65	1.76
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.73*	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.73	1.76
		For Up To 20, Add	*2.42*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	7.13	1.76
		For Up To 20, Add	*2.48*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.54*	
		For >960, Deduct	*-0.81*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.37	1.76
		For Up To 20, Add	*2.66*	
		For >20 To 40, Add	*1.54*	
		For >40 To 80, Add	*0.59*	
		For >240 To 960, Deduct	*-0.66*	
		For >960, Deduct	*-0.99*	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.70	1.76
		For Up To 20, Add	*3.01*	
		For >20 To 40, Add	*1.77*	
		For >40 To 80, Add	*0.71*	
		For >240 To 960, Deduct	*-0.89*	
		For >960, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.20	1.76
		For Up To 20, Add	*3.09*	
		For >20 To 40, Add	*1.82*	
		For >40 To 80, Add	*0.74*	
		For >240 To 960, Deduct	*-0.94*	
		For >960, Deduct	*-1.42*	
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.76	1.76
		For Up To 20, Add	*3.32*	
		For >20 To 40, Add	*1.98*	
		For >40 To 80, Add	*0.81*	
		For >240 To 960, Deduct	*-1.10*	
		For >960, Deduct	*-1.65*	
09 65 13 13-0016	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	13.80	1.76
		For Up To 20, Add	*3.48*	
		For >20 To 40, Add	*2.08*	
		For >40 To 80, Add	*0.87*	
		For >240 To 960, Deduct	*-1.20*	
		For >960, Deduct	*-1.81*	
09 65 13 13-0017	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	18.95	1.76
		For Up To 20, Add	*4.25*	
		For >20 To 40, Add	*2.60*	
		For >40 To 80, Add	*1.12*	
		For >240 To 960, Deduct	*-1.72*	
		For >960, Deduct	*-2.58*	

09 65 13 13-0018 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0019	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.79	2.11
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	
09 65 13 13-0020	LF	3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.44	2.11
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.57*	
		For >960, Deduct	*-0.85*	
09 65 13 13-0021	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.81	1.76
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	
09 65 13 13-0022	LF	4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.22	1.76
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.54*	
		For >240 To 960, Deduct	*-0.55*	
		For >960, Deduct	*-0.82*	
09 65 13 13-0023	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	9.92	2.11
		For Up To 20, Add	*3.18*	
		For >20 To 40, Add	*1.84*	
		For >40 To 80, Add	*0.71*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	18.84	2.82
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	20.25	3.03
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	24.17	3.24
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	17.91	2.82
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	18.89	3.03
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	22.80	3.25
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0010		Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*		
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	10.45	1.69
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	29.57	2.61
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	35.20	2.82
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	38.09	3.17
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	20.67	2.57
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	22.82	2.82
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	27.25	3.04
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	11.60	1.69
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.37	1.41
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.56	1.41
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.76	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	3.18	1.27
		For Up To 20, Add	*1.18*	
		For >20 To 40, Add	*0.67*	
		For >40 To 80, Add	*0.25*	
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.35*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	2.88	1.27
		For Up To 20, Add	*1.14*	
		For >20 To 40, Add	*0.64*	
		For >40 To 80, Add	*0.23*	
		For >240 To 960, Deduct	*-0.20*	
		For >960, Deduct	*-0.30*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	2.52	1.27
		For Up To 20, Add	*1.08*	
		For >20 To 40, Add	*0.60*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.16*	
		For >960, Deduct	*-0.25*	
09 65 13 36-0005		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		
09 65 13 36-0006	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	4.88	1.76
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.52*	
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.88	1.76
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.52*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.80	1.76
		For Up To 20, Add	*2.00*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	9.05	1.76
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.59*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.15*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	9.07	1.76
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.59*	
		For >240 To 960, Deduct	*-0.77*	
		For >960, Deduct	*-1.15*	
09 65 13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	6.28	1.76
		For Up To 20, Add	*2.07*	
		For >20 To 40, Add	*1.19*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.73*	
09 65 13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.84	1.76
		For Up To 20, Add	*2.45*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.74*	
		For >960, Deduct	*-1.11*	
09 65 13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	9.13	1.76
		For Up To 20, Add	*2.50*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.77*	
		For >960, Deduct	*-1.16*	
09 65 13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.82	1.76
		For Up To 20, Add	*2.30*	
		For >20 To 40, Add	*1.35*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.64*	
		For >960, Deduct	*-0.96*	
09 65 13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	8.46	1.76
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.56*	
		For >240 To 960, Deduct	*-0.71*	
		For >960, Deduct	*-1.06*	
09 65 13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	9.13	1.76
		For Up To 20, Add	*2.50*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.77*	
		For >960, Deduct	*-1.16*	
09 65 13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.69	1.76
		For Up To 20, Add	*2.28*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.94*	
09 65 13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.63	1.76
		For Up To 20, Add	*2.12*	
		For >20 To 40, Add	*1.23*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.52*	
		For >960, Deduct	*-0.78*	
09 65 13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	9.36	1.76
		For Up To 20, Add	*2.53*	
		For >20 To 40, Add	*1.50*	
		For >40 To 80, Add	*0.61*	
		For >240 To 960, Deduct	*-0.80*	
		For >960, Deduct	*-1.19*	
09 65 13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.82	1.76
		For Up To 20, Add	*2.90*	
		For >20 To 40, Add	*1.75*	
		For >40 To 80, Add	*0.73*	
		For >240 To 960, Deduct	*-1.04*	
		For >960, Deduct	*-1.56*	
09 65 13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	6.46	1.76
		For Up To 20, Add	*2.10*	
		For >20 To 40, Add	*1.21*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	
09 65 13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	6.55	1.76
		For Up To 20, Add	*2.11*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0023	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	7.32	1.76
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.59*	
		For >960, Deduct	*-0.89*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	12.14	1.06
		For Up To 40, Add	*5.22*	
		For >40 To 100, Add	*2.61*	
		For >1,000, Deduct	*-1.00*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	10.00	1.06
		For Up To 40, Add	*4.80*	
		For >40 To 100, Add	*2.40*	
		For >1,000, Deduct	*-0.79*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	6.68	1.06
		For Up To 40, Add	*4.13*	
		For >40 To 100, Add	*2.07*	
		For >1,000, Deduct	*-0.45*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	8.53	1.06
		For Up To 40, Add	*4.50*	
		For >40 To 100, Add	*2.25*	
		For >1,000, Deduct	*-0.64*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	11.28	1.06
		For Up To 40, Add	*5.05*	
		For >40 To 100, Add	*2.53*	
		For >1,000, Deduct	*-0.91*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	15.41	1.06
		For Up To 40, Add	*5.88*	
		For >40 To 100, Add	*2.94*	
		For >1,000, Deduct	*-1.33*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	9.74
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	10.19

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	23.47

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	5.11
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	4.69
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.91
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	3.88

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	5.07	2.11
		For 3/32" Thick, Deduct	*-0.25*	
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.03*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.54*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	4.91	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*1.78*	
		For >20 To 40, Add	*1.01*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	4.91	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*1.78*	
		For >20 To 40, Add	*1.01*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.53*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	7.12	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.11*	
		For >20 To 40, Add	*1.23*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.66*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	7.14	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.12*	
		For >20 To 40, Add	*1.24*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.66*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	7.56	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.18*	
		For >20 To 40, Add	*1.28*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.69*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	7.63	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.19*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.69*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	7.89	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.71*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	10.30	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.59*	
		For >20 To 40, Add	*1.55*	
		For >40 To 80, Add	*0.65*	
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.50*	
		For >6,000, Deduct	*-0.85*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	11.25	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.73*	
		For >20 To 40, Add	*1.65*	
		For >40 To 80, Add	*0.69*	
		For >1,000 To 3,000, Deduct	*-0.24*	
		For >3,000 To 6,000, Deduct	*-0.54*	
		For >6,000, Deduct	*-0.91*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	20.37	2.11
		For Extra Stock, Material Only, Deduct	*-4.18*	
		For Up To 20, Add	*4.82*	
		For >20 To 40, Add	*2.92*	
		For >40 To 80, Add	*1.24*	
		For >1,000 To 3,000, Deduct	*-0.43*	
		For >3,000 To 6,000, Deduct	*-0.97*	
		For >6,000, Deduct	*-1.62*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	15.92	2.11
		For Extra Stock, Material Only, Deduct	*-4.18*	
		For Up To 20, Add	*4.15*	
		For >20 To 40, Add	*2.47*	
		For >40 To 80, Add	*1.02*	
		For >1,000 To 3,000, Deduct	*-0.34*	
		For >3,000 To 6,000, Deduct	*-0.79*	
		For >6,000, Deduct	*-1.35*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0002		**Solid Vinyl Tile (SVT)** *(09 65 19 23-0001)*		
		Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	6.96	2.11
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.74*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	7.24	2.11
		For Up To 20, Add	*2.53*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	7.33	2.11
		For Up To 20, Add	*2.54*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0006		**Luxury Vinyl Tile (LVT)** *(09 65 19 23-0001)*		
09 65 19 23-0007	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	6.98	2.82
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.74*	
09 65 19 23-0008	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori)	7.16	2.82
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0009	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue)	6.81	2.82
		For Up To 20, Add	*2.47*	
		For >20 To 40, Add	*1.40*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.73*	
09 65 19 23-0010	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue)	7.15	2.82
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0011	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	6.14	2.11
		For Up To 20, Add	*2.37*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0012	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	7.71	2.11
		For Up To 20, Add	*2.60*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.79*	
09 65 19 23-0013	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	6.94	2.82
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.74*	
09 65 19 23-0014	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	7.72	2.82
		For Up To 20, Add	*2.60*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.79*	
09 65 19 23-0015	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	6.94	2.82
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0016	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	7.72	2.82
		For Up To 20, Add	*2.60*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.79*	
09 65 19 23-0017	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	7.86	2.82
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0018	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	7.86	2.82
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0019	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis)	8.43	2.82
		For Up To 20, Add	*2.71*	
		For >20 To 40, Add	*1.57*	
		For >40 To 80, Add	*0.60*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.46*	
		For >6,000, Deduct	*-0.83*	
09 65 19 23-0020	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful)	7.81	2.82
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.50*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.79*	
09 65 19 23-0021	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil)	6.83	2.82
		For Up To 20, Add	*2.47*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.73*	
09 65 19 23-0022	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide)	6.43	2.82
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.71*	
09 65 19 23-0023	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude)	7.20	2.11
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0024	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	6.58	2.11
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0025	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	6.08	2.11
		For Up To 20, Add	*2.36*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.48*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0026	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	7.56	2.11
		For Up To 20, Add	*2.58*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	
09 65 19 23-0027	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	6.08	2.11
		For Up To 20, Add	*2.36*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.48*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0028	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	7.56	2.11
		For Up To 20, Add	*2.58*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0029	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	6.94	2.11
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.74*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	24.54	1.27
		For Up To 20, Add	*4.73*	
		For >20 To 40, Add	*2.98*	
		For >40 To 100, Add	*1.36*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	29.67	1.41
		For Up To 20, Add	*5.58*	
		For >20 To 40, Add	*3.53*	
		For >40 To 100, Add	*1.62*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	33.01	1.69
		For Up To 20, Add	*6.30*	
		For >20 To 40, Add	*3.98*	
		For >40 To 100, Add	*1.82*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*
Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	10.93	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.68*	
		For >20 To 40, Add	*1.62*	
		For >40 To 80, Add	*0.68*	
		For >1,000 To 3,000, Deduct	*-0.23*	
		For >3,000 To 6,000, Deduct	*-0.53*	
		For >6,000, Deduct	*-0.89*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	8.28	2.11
		For Extra Stock, Material Only, Deduct	*-2.48*	
		For Up To 20, Add	*2.29*	
		For >20 To 40, Add	*1.35*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.73*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	8.43	2.11
		For Up To 20, Add	*2.70*	
		For >20 To 40, Add	*1.56*	
		For >40 To 100, Add	*0.60*	
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	6.18	1.06
		For Up To 20, Add	*1.79*	
		For >20 To 40, Add	*1.05*	
		For >40 To 100, Add	*0.42*	
		For 3.2mm Thickness, Add	*0.81*	
		For 2mm Thickness, Deduct	*-0.38*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	9.75	

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	8.28	0.99
		For Colors, Add	*1.37*	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.66	1.23
		For Colors, Add	*1.58*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	11.41	1.97
		For Colors, Add	*1.72*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	16.40	2.39
		For Colors, Add	*2.60*	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	42.60	0.99
		For Colors, Add	*5.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	61.49	0.99
		For Colors, Add	*7.51*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	44.98	0.99
		For Colors, Add	*5.45*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	55.27	0.99
		For Colors, Add	*6.73*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	46.24	0.99
		For Colors, Add	*5.60*	
09 65 66 00-0012		Polyurethane Floor Systems *(09 65 66)*		
		See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0013	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	27.58	2.82

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001		Floors Not Bonded To Concrete *(09 66 13 13)*		
		Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	40.31	3.97
		For Venetian Type Terrazzo, Add	*9.55*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.55*	
		For Colors, Add	*4.77*	
		For Up To 100, Add	*10.40*	
		For >100 To 250, Add	*5.20*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	40.49	3.97
		For Venetian Type Terrazzo, Add	*9.64*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.64*	
		For Colors, Add	*4.82*	
		For Up To 100, Add	*10.42*	
		For >100 To 250, Add	*5.21*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001		Monolithic Terrazzo *(09 66 13 16)*		
09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	21.61	3.97
		Note: Including Mesh And Felt		
		For Venetian Type Terrazzo, Add	*6.95*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.95*	
		For Colors, Add	*3.48*	
		For Up To 100, Add	*4.47*	
		For >100 To 250, Add	*2.24*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001		Floors Bonded To Concrete *(09 66 13 19)*		
		Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	32.06	3.97
		For Venetian Type Terrazzo, Add	*7.88*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.88*	
		For Colors, Add	*3.94*	
		For Up To 100, Add	*8.10*	
		For >100 To 250, Add	*4.05*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	32.24	3.97
		For Venetian Type Terrazzo, Add	*7.97*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.97*	
		For Colors, Add	*3.99*	
		For Up To 100, Add	*8.11*	
		For >100 To 250, Add	*4.06*	
09 66 13 19-0004		Terrazzo Wainscot *(09 66 13 19)*		
09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	45.52	5.30
		For Venetian Type Terrazzo, Add	*5.10*	
09 66 13 19-0006		Terrazzo Base *(09 66 13 19)*		
09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	43.73	3.87
		For Venetian Type Terrazzo, Add	*11.12*	
09 66 13 19-0008		Terrazzo Curb *(09 66 13 19)*		
09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	115.63	25.79
		For Venetian Type Terrazzo, Add	*14.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0010		**Stairs Cast In Place** *(09 66 13 19)* Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	46.89	7.95
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	118.79	26.50
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	47.45	7.95
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0014		**Divider Strips** *(09 66 13 19)*		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.40	1.32
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	7.07	1.32
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	9.76	1.32
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	14.01	1.32
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.24	1.32
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	8.93	1.32
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	7.24	1.32
09 66 16		**Terrazzo Floor Tile** *(09 66)*		
09 66 16 13		**Portland Cement Terrazzo Floor Tile** *(09 66 16)*		
09 66 16 13-0001		**Flooring Tiles** *(09 66 16 13)* Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		**Terrazzo Tiles With Non-Slip Surface** *(09 66 16 13-0001)*		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	38.21	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	38.52	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	44.25	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	46.59	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	47.90	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0008		**Terrazzo Tile Thin Set** *(09 66 16 13-0001)*		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	37.47	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	39.65	3.98
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0011		**Thin Set Terrazzo Wainscot** *(09 66 16 13-0001)*		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	57.00	7.74
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	65.16	7.74
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0014		**Thin Set Terrazzo Base, Gray Cement** *(09 66 16 13-0001)*		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	18.81	3.87
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	20.83	3.87
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	21.80	3.87
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	22.81	3.87
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0019		**Terrazzo Curbs** *(09 66 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	38.80	5.15
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	37.79	5.15
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	87.59	5.15
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	75.49	5.15
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	67.43	5.15
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	78.76	5.15
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	40.30	3.87
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	46.35	3.87
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	58.62	3.87
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	62.65	3.87
09 66 16 13-0033		Tread And Riser *(09 66 16 13)*		
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	98.92	10.32
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	119.18	10.32
09 66 16 13-0037		Structural Non-Slip Landings *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	70.92	5.15
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	86.81	5.15
09 66 16 13-0040		Combined Tread And Riser *(09 66 16 13-0033)*		
09 66 16 13-0041		Straight Sections *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	152.57	10.32
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	180.79	10.32
09 66 16 13-0044		Curved Sections *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	190.14	10.32
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	238.52	10.32
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	30.16	3.97
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	30.38	6.45
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	54.61	6.45
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	23.34	6.45
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	39.27	6.45
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	26.14	6.45
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	49.37	6.45
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	37.37	6.45
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	42.73	6.45
09 67		**Fluid-Applied Flooring** *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		Epoxy Marble Chip Flooring *(09 67 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	20.91	3.97
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy	22.16	3.97
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	

09 67 23 Resinous Flooring *(09 67)*

09 67 23 00-0001 Epoxy Resin Flooring *(09 67 23)*

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding.

09 67 23 00-0002	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.25	9.01
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
		For Up To 500, Add	*3.25*	
		For >500 To 1,000, Add	*2.06*	
		For >1,000 To 2,000, Add	*1.03*	
		For >10,000, Deduct	*-1.13*	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	25.29	9.01
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.15*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.15*	
		For Up To 500, Add	*5.26*	
		For >500 To 1,000, Add	*3.26*	
		For >1,000 To 2,000, Add	*1.63*	
		For >10,000, Deduct	*-1.53*	
09 67 23 00-0004	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	20.64	10.07
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
		For Up To 500, Add	*3.84*	
		For >500 To 1,000, Add	*2.43*	
		For >1,000 To 2,000, Add	*1.22*	
		For >10,000, Deduct	*-1.36*	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	29.85	10.07
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.17*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.17*	
		For Up To 500, Add	*6.14*	
		For >500 To 1,000, Add	*3.82*	
		For >1,000 To 2,000, Add	*1.91*	
		For >10,000, Deduct	*-1.82*	
09 67 23 00-0006	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	23.29	11.27
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
		For Up To 500, Add	*4.35*	
		For >500 To 1,000, Add	*2.76*	
		For >1,000 To 2,000, Add	*1.38*	
		For >10,000, Deduct	*-1.53*	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	33.06	11.27
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.18*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.18*	
		For Up To 500, Add	*6.79*	
		For >500 To 1,000, Add	*4.22*	
		For >1,000 To 2,000, Add	*2.11*	
		For >10,000, Deduct	*-2.02*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003	SY	18 Ounce, Non-Patterned, Nylon Carpet Tile	48.93	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.72*	
		For >900 To 1,500, Deduct	*-2.59*	
		For >1,500 To 2,200, Deduct	*-3.85*	
		For >2,200 To 3,500, Deduct	*-5.08*	
		For >3,500, Deduct	*-6.30*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0004	SY	20 Ounce, Non-Patterned, Nylon Carpet Tile	50.64	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.80*	
		For >900 To 1,500, Deduct	*-2.71*	
		For >1,500 To 2,200, Deduct	*-4.02*	
		For >2,200 To 3,500, Deduct	*-5.29*	
		For >3,500, Deduct	*-6.56*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0005	SY	22 Ounce, Non-Patterned, Nylon Carpet Tile	56.06	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.06*	
		For >600 To 900, Deduct	*-2.08*	
		For >900 To 1,500, Deduct	*-3.09*	
		For >1,500 To 2,200, Deduct	*-4.57*	
		For >2,200 To 3,500, Deduct	*-5.97*	
		For >3,500, Deduct	*-7.37*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006	SY	24 Ounce, Non-Patterned, Nylon Carpet Tile	61.34	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.81*	
		For >400 To 600, Deduct	*-1.22*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.46*	
		For >1,500 To 2,200, Deduct	*-5.09*	
		For >2,200 To 3,500, Deduct	*-6.63*	
		For >3,500, Deduct	*-8.16*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	64.43	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.49*	
		For >900 To 1,500, Deduct	*-3.68*	
		For >1,500 To 2,200, Deduct	*-5.40*	
		For >2,200 To 3,500, Deduct	*-7.01*	
		For >3,500, Deduct	*-8.63*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	67.59	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.94*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.90*	
		For >1,500 To 2,200, Deduct	*-5.72*	
		For >2,200 To 3,500, Deduct	*-7.41*	
		For >3,500, Deduct	*-9.10*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	68.53	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.97*	
		For >1,500 To 2,200, Deduct	*-5.81*	
		For >2,200 To 3,500, Deduct	*-7.53*	
		For >3,500, Deduct	*-9.24*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	69.12	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.73*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.87*	
		For >2,200 To 3,500, Deduct	*-7.60*	
		For >3,500, Deduct	*-9.33*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	69.61	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.04*	
		For >1,500 To 2,200, Deduct	*-5.92*	
		For >2,200 To 3,500, Deduct	*-7.66*	
		For >3,500, Deduct	*-9.40*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	71.30	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.84*	
		For >900 To 1,500, Deduct	*-4.16*	
		For >1,500 To 2,200, Deduct	*-6.09*	
		For >2,200 To 3,500, Deduct	*-7.87*	
		For >3,500, Deduct	*-9.66*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	74.64	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-1.08*	
		For >400 To 600, Deduct	*-1.62*	
		For >600 To 900, Deduct	*-3.00*	
		For >900 To 1,500, Deduct	*-4.39*	
		For >1,500 To 2,200, Deduct	*-6.42*	
		For >2,200 To 3,500, Deduct	*-8.29*	
		For >3,500, Deduct	*-10.16*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	78.23	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-1.15*	
		For >400 To 600, Deduct	*-1.72*	
		For >600 To 900, Deduct	*-3.18*	
		For >900 To 1,500, Deduct	*-4.64*	
		For >1,500 To 2,200, Deduct	*-6.78*	
		For >2,200 To 3,500, Deduct	*-8.74*	
		For >3,500, Deduct	*-10.70*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	85.12	8.48
		For Up To 15, Add	*4.16*	
		For >15 To 33, Add	*2.08*	
		For >200 To 400, Deduct	*-1.29*	
		For >400 To 600, Deduct	*-1.93*	
		For >600 To 900, Deduct	*-3.53*	
		For >900 To 1,500, Deduct	*-5.13*	
		For >1,500 To 2,200, Deduct	*-7.47*	
		For >2,200 To 3,500, Deduct	*-9.60*	
		For >3,500, Deduct	*-11.73*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles	20.38	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	50.52	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.73*	
		For >900 To 1,500, Deduct	*-2.62*	
		For >1,500 To 2,200, Deduct	*-3.91*	
		For >2,200 To 3,500, Deduct	*-5.17*	
		For >3,500, Deduct	*-6.43*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	51.01	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.75*	
		For >900 To 1,500, Deduct	*-2.66*	
		For >1,500 To 2,200, Deduct	*-3.96*	
		For >2,200 To 3,500, Deduct	*-5.23*	
		For >3,500, Deduct	*-6.51*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	53.17	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.86*	
		For >900 To 1,500, Deduct	*-2.81*	
		For >1,500 To 2,200, Deduct	*-4.17*	
		For >2,200 To 3,500, Deduct	*-5.50*	
		For >3,500, Deduct	*-6.83*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	58.67	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.13*	
		For >900 To 1,500, Deduct	*-3.19*	
		For >1,500 To 2,200, Deduct	*-4.72*	
		For >2,200 To 3,500, Deduct	*-6.19*	
		For >3,500, Deduct	*-7.66*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	64.03	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.40*	
		For >900 To 1,500, Deduct	*-3.57*	
		For >1,500 To 2,200, Deduct	*-5.26*	
		For >2,200 To 3,500, Deduct	*-6.86*	
		For >3,500, Deduct	*-8.46*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	67.16	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.56*	
		For >900 To 1,500, Deduct	*-3.79*	
		For >1,500 To 2,200, Deduct	*-5.57*	
		For >2,200 To 3,500, Deduct	*-7.25*	
		For >3,500, Deduct	*-8.93*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	70.38	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.72*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.89*	
		For >2,200 To 3,500, Deduct	*-7.65*	
		For >3,500, Deduct	*-9.41*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	71.32	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.77*	
		For >900 To 1,500, Deduct	*-4.08*	
		For >1,500 To 2,200, Deduct	*-5.99*	
		For >2,200 To 3,500, Deduct	*-7.77*	
		For >3,500, Deduct	*-9.55*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	71.92	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.80*	
		For >900 To 1,500, Deduct	*-4.12*	
		For >1,500 To 2,200, Deduct	*-6.05*	
		For >2,200 To 3,500, Deduct	*-7.85*	
		For >3,500, Deduct	*-9.64*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	72.42	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.82*	
		For >900 To 1,500, Deduct	*-4.15*	
		For >1,500 To 2,200, Deduct	*-6.10*	
		For >2,200 To 3,500, Deduct	*-7.91*	
		For >3,500, Deduct	*-9.72*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	74.14	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 900, Deduct	*-2.91*	
		For >900 To 1,500, Deduct	*-4.28*	
		For >1,500 To 2,200, Deduct	*-6.27*	
		For >2,200 To 3,500, Deduct	*-8.12*	
		For >3,500, Deduct	*-9.98*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	77.53	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-1.09*	
		For >400 To 600, Deduct	*-1.64*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.51*	
		For >1,500 To 2,200, Deduct	*-6.61*	
		For >2,200 To 3,500, Deduct	*-8.55*	
		For >3,500, Deduct	*-10.49*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	81.17	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.75*	
		For >600 To 900, Deduct	*-3.26*	
		For >900 To 1,500, Deduct	*-4.77*	
		For >1,500 To 2,200, Deduct	*-6.97*	
		For >2,200 To 3,500, Deduct	*-9.00*	
		For >3,500, Deduct	*-11.03*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	88.17	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-1.31*	
		For >400 To 600, Deduct	*-1.96*	
		For >600 To 900, Deduct	*-3.61*	
		For >900 To 1,500, Deduct	*-5.26*	
		For >1,500 To 2,200, Deduct	*-7.67*	
		For >2,200 To 3,500, Deduct	*-9.88*	
		For >3,500, Deduct	*-12.08*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	23.41	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	104.51	8.48
		For Up To 15, Add	*4.57*	
		For >15 To 33, Add	*2.29*	
		For >200 To 400, Deduct	*-1.63*	
		For >400 To 600, Deduct	*-2.45*	
		For >600 To 900, Deduct	*-4.43*	
		For >900 To 1,500, Deduct	*-6.40*	
		For >1,500 To 2,200, Deduct	*-9.31*	
		For >2,200 To 3,500, Deduct	*-11.92*	
		For >3,500, Deduct	*-14.53*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	20.32	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.43*	
		For >600 To 900, Deduct	*-0.80*	
		For >900 To 1,500, Deduct	*-1.18*	
		For >1,500 To 2,200, Deduct	*-1.73*	
		For >2,200 To 3,500, Deduct	*-2.24*	
		For >3,500, Deduct	*-2.75*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	21.16	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.30*	
		For >400 To 600, Deduct	*-0.45*	
		For >600 To 900, Deduct	*-0.85*	
		For >900 To 1,500, Deduct	*-1.24*	
		For >1,500 To 2,200, Deduct	*-1.81*	
		For >2,200 To 3,500, Deduct	*-2.34*	
		For >3,500, Deduct	*-2.87*	

09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.02	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.67*	
		For >1,500 To 2,200, Deduct	*-1.00*	
		For >2,200 To 3,500, Deduct	*-1.33*	
		For >3,500, Deduct	*-1.65*	
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.60	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.47*	
		For >900 To 1,500, Deduct	*-0.71*	
		For >1,500 To 2,200, Deduct	*-1.06*	
		For >2,200 To 3,500, Deduct	*-1.40*	
		For >3,500, Deduct	*-1.74*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	10.89	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.33*	
		For >900 To 1,500, Deduct	*-0.52*	
		For >1,500 To 2,200, Deduct	*-0.79*	
		For >2,200 To 3,500, Deduct	*-1.06*	
		For >3,500, Deduct	*-1.33*	
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.21	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.02*	
		For >2,200 To 3,500, Deduct	*-1.35*	
		For >3,500, Deduct	*-1.68*	
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.21	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.02*	
		For >2,200 To 3,500, Deduct	*-1.35*	
		For >3,500, Deduct	*-1.68*	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.21	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.02*	
		For >2,200 To 3,500, Deduct	*-1.35*	
		For >3,500, Deduct	*-1.68*	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	14.59	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.26*	
		For >600 To 900, Deduct	*-0.52*	
		For >900 To 1,500, Deduct	*-0.78*	
		For >1,500 To 2,200, Deduct	*-1.16*	
		For >2,200 To 3,500, Deduct	*-1.52*	
		For >3,500, Deduct	*-1.89*	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.08	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.67*	
		For >1,500 To 2,200, Deduct	*-1.01*	
		For >2,200 To 3,500, Deduct	*-1.33*	
		For >3,500, Deduct	*-1.66*	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.53	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.47*	
		For >900 To 1,500, Deduct	*-0.71*	
		For >1,500 To 2,200, Deduct	*-1.05*	
		For >2,200 To 3,500, Deduct	*-1.39*	
		For >3,500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	15.17	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.18*	
		For >400 To 600, Deduct	*-0.27*	
		For >600 To 900, Deduct	*-0.55*	
		For >900 To 1,500, Deduct	*-0.82*	
		For >1,500 To 2,200, Deduct	*-1.22*	
		For >2,200 To 3,500, Deduct	*-1.59*	
		For >3,500, Deduct	*-1.97*	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	21.59	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.31*	
		For >400 To 600, Deduct	*-0.47*	
		For >600 To 900, Deduct	*-0.87*	
		For >900 To 1,500, Deduct	*-1.27*	
		For >1,500 To 2,200, Deduct	*-1.86*	
		For >2,200 To 3,500, Deduct	*-2.40*	
		For >3,500, Deduct	*-2.94*	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	24.00	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-0.99*	
		For >900 To 1,500, Deduct	*-1.44*	
		For >1,500 To 2,200, Deduct	*-2.10*	
		For >2,200 To 3,500, Deduct	*-2.70*	
		For >3,500, Deduct	*-3.30*	
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	25.85	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.59*	
		For >600 To 900, Deduct	*-1.08*	
		For >900 To 1,500, Deduct	*-1.57*	
		For >1,500 To 2,200, Deduct	*-2.28*	
		For >2,200 To 3,500, Deduct	*-2.93*	
		For >3,500, Deduct	*-3.58*	

09 68 16 00-0021 Waffle Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0022	SY	3/8" Thick, 90 Oz./SY Waffle Rubber Carpet Padding	24.65	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.56*	
		For >600 To 900, Deduct	*-1.02*	
		For >900 To 1,500, Deduct	*-1.48*	
		For >1,500 To 2,200, Deduct	*-2.16*	
		For >2,200 To 3,500, Deduct	*-2.78*	
		For >3,500, Deduct	*-3.40*	

09 68 16 00-0023 Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0024	SY	0.156" Thick, 62 Oz./SY Flat Sponge Rubber Carpet Padding	15.30	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.55*	
		For >900 To 1,500, Deduct	*-0.83*	
		For >1,500 To 2,200, Deduct	*-1.23*	
		For >2,200 To 3,500, Deduct	*-1.61*	
		For >3,500, Deduct	*-1.99*	
09 68 16 00-0025	SY	0.250" Thick, 68 Oz./SY Flat Sponge Rubber Carpet Padding	16.29	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.21*	
		For >400 To 600, Deduct	*-0.31*	
		For >600 To 900, Deduct	*-0.60*	
		For >900 To 1,500, Deduct	*-0.90*	
		For >1,500 To 2,200, Deduct	*-1.33*	
		For >2,200 To 3,500, Deduct	*-1.73*	
		For >3,500, Deduct	*-2.14*	
09 68 16 00-0026	SY	0.250" Thick, 80 Oz./SY Flat Sponge Rubber Carpet Padding	17.02	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.33*	
		For >600 To 900, Deduct	*-0.64*	
		For >900 To 1,500, Deduct	*-0.95*	
		For >1,500 To 2,200, Deduct	*-1.40*	
		For >2,200 To 3,500, Deduct	*-1.83*	
		For >3,500, Deduct	*-2.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0027	SY	0.250" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	19.31	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.40*	
		For >600 To 900, Deduct	*-0.75*	
		For >900 To 1,500, Deduct	*-1.11*	
		For >1,500 To 2,200, Deduct	*-1.63*	
		For >2,200 To 3,500, Deduct	*-2.11*	
		For >3,500, Deduct	*-2.59*	
09 68 16 00-0028	SY	0.370" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	19.50	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.40*	
		For >600 To 900, Deduct	*-0.76*	
		For >900 To 1,500, Deduct	*-1.12*	
		For >1,500 To 2,200, Deduct	*-1.65*	
		For >2,200 To 3,500, Deduct	*-2.14*	
		For >3,500, Deduct	*-2.62*	

09 68 16 00-0029 Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0030	SY	0.235" Thick, 20 Oz./SY Synthetic Fiber Carpet Padding	7.96	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.19*	
		For >900 To 1,500, Deduct	*-0.32*	
		For >1,500 To 2,200, Deduct	*-0.49*	
		For >2,200 To 3,500, Deduct	*-0.69*	
		For >3,500, Deduct	*-0.89*	
09 68 16 00-0031	SY	0.235" Thick, 24 Oz./SY Synthetic Fiber Carpet Padding	9.46	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.10*	
		For >600 To 900, Deduct	*-0.26*	
		For >900 To 1,500, Deduct	*-0.42*	
		For >1,500 To 2,200, Deduct	*-0.64*	
		For >2,200 To 3,500, Deduct	*-0.88*	
		For >3,500, Deduct	*-1.12*	
09 68 16 00-0032	SY	0.275" Thick, 28 Oz./SY Synthetic Fiber Carpet Padding	8.78	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.23*	
		For >900 To 1,500, Deduct	*-0.37*	
		For >1,500 To 2,200, Deduct	*-0.58*	
		For >2,200 To 3,500, Deduct	*-0.80*	
		For >3,500, Deduct	*-1.02*	
09 68 16 00-0033	SY	0.300" Thick, 32 Oz./SY Synthetic Fiber Carpet Padding	9.03	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.24*	
		For >900 To 1,500, Deduct	*-0.39*	
		For >1,500 To 2,200, Deduct	*-0.60*	
		For >2,200 To 3,500, Deduct	*-0.83*	
		For >3,500, Deduct	*-1.05*	
09 68 16 00-0034	SY	0.350" Thick, 40 Oz./SY Synthetic Fiber Carpet Padding	10.58	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.32*	
		For >900 To 1,500, Deduct	*-0.50*	
		For >1,500 To 2,200, Deduct	*-0.76*	
		For >2,200 To 3,500, Deduct	*-1.02*	
		For >3,500, Deduct	*-1.29*	

09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0036	SY	0.300" Thick, 32 Oz./SY Double Stick Synthetic Fiber Carpet Padding	11.06	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.34*	
		For >900 To 1,500, Deduct	*-0.53*	
		For >1,500 To 2,200, Deduct	*-0.80*	
		For >2,200 To 3,500, Deduct	*-1.08*	
		For >3,500, Deduct	*-1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0037	SY	0.375" Thick, 40 Oz./SY Double Stick Synthetic Fiber Carpet Padding	12.26	3.99
		For Up To 15, Add	*1.21*	
		For >15 To 33, Add	*0.60*	
		For >200 To 400, Deduct	*-0.12*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.40*	
		For >900 To 1,500, Deduct	*-0.62*	
		For >1,500 To 2,200, Deduct	*-0.92*	
		For >2,200 To 3,500, Deduct	*-1.23*	
		For >3,500, Deduct	*-1.54*	
09 68 16 00-0038		**Residential Broadloom Carpet** *(09 68 16)* Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	48.44	10.63
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.49*	
		For Up To 15, Add	*5.46*	
		For >15 To 33, Add	*2.73*	
		For >200 To 400, Deduct	*-0.42*	
		For >400 To 600, Deduct	*-0.63*	
		For >600 To 900, Deduct	*-1.47*	
		For >900, Deduct	*-2.30*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	53.42	10.63
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.49*	
		For Up To 15, Add	*5.46*	
		For >15 To 33, Add	*2.73*	
		For >200 To 400, Deduct	*-0.52*	
		For >400 To 600, Deduct	*-0.78*	
		For >600 To 900, Deduct	*-1.72*	
		For >900, Deduct	*-2.65*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	60.27	10.63
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.49*	
		For Up To 15, Add	*5.46*	
		For >15 To 33, Add	*2.73*	
		For >200 To 400, Deduct	*-0.66*	
		For >400 To 600, Deduct	*-0.99*	
		For >600 To 900, Deduct	*-2.06*	
		For >900, Deduct	*-3.13*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0042	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	67.43	10.63
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.49*	
		For Up To 15, Add	*5.46*	
		For >15 To 33, Add	*2.73*	
		For >200 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.20*	
		For >600 To 900, Deduct	*-2.42*	
		For >900, Deduct	*-3.63*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	68.67	10.63
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.49*	
		For Up To 15, Add	*5.46*	
		For >15 To 33, Add	*2.73*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.48*	
		For >900, Deduct	*-3.72*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	71.16	11.70
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.77*	
		For Up To 15, Add	*5.82*	
		For >15 To 33, Add	*2.91*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.54*	
		For >900, Deduct	*-3.82*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	73.29	11.70
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.77*	
		For Up To 15, Add	*5.82*	
		For >15 To 33, Add	*2.91*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.65*	
		For >900, Deduct	*-3.97*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	78.58	11.70
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.77*	
		For Up To 15, Add	*5.82*	
		For >15 To 33, Add	*2.91*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.91*	
		For >900, Deduct	*-4.34*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	79.21	11.70
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.77*	
		For Up To 15, Add	*5.82*	
		For >15 To 33, Add	*2.91*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.94*	
		For >900, Deduct	*-4.38*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	81.70	11.70
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.77*	
		For Up To 15, Add	*5.82*	
		For >15 To 33, Add	*2.91*	
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.58*	
		For >600 To 900, Deduct	*-3.07*	
		For >900, Deduct	*-4.56*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0049 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0050 Non-Patterned Broadloom Carpet *(09 68 16 00-0049)*

09 68 16 00-0051	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	58.94	34.81
		For Up To 15, Add	*4.64*	
		For >15 To 33, Add	*2.32*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.13*	
		For >900, Deduct	*-3.20*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0052	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.30	34.81
		For Up To 15, Add	*4.64*	
		For >15 To 33, Add	*2.32*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.15*	
		For >900, Deduct	*-3.22*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0053	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.83	34.81
		For Up To 15, Add	*4.64*	
		For >15 To 33, Add	*2.32*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.18*	
		For >900, Deduct	*-3.26*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0054	SY	28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	63.89	37.73
		For Up To 15, Add	*5.03*	
		For >15 To 33, Add	*2.52*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.31*	
		For >900, Deduct	*-3.47*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0055	SY	30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	65.98	37.73
		For Up To 15, Add	*5.03*	
		For >15 To 33, Add	*2.52*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.22*	
		For >600 To 900, Deduct	*-2.42*	
		For >900, Deduct	*-3.61*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	67.58	37.73
		For Up To 15, Add	*5.03*	
		For >15 To 33, Add	*2.52*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.50*	
		For >900, Deduct	*-3.72*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	73.68	40.62
		For Up To 15, Add	*5.42*	
		For >15 To 33, Add	*2.71*	
		For >200 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.74*	
		For >900, Deduct	*-4.07*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	75.64	40.62
		For Up To 15, Add	*5.42*	
		For >15 To 33, Add	*2.71*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.83*	
		For >900, Deduct	*-4.21*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	77.83	40.62
		For Up To 15, Add	*5.42*	
		For >15 To 33, Add	*2.71*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.94*	
		For >900, Deduct	*-4.36*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0060 Patterned Broadloom Carpet *(09 68 16 00-0049)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	61.80	34.81
		For Up To 15, Add	*5.11*	
		For >15 To 33, Add	*2.55*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.20*	
		For >900, Deduct	*-3.30*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	62.16	34.81
		For Up To 15, Add	*5.11*	
		For >15 To 33, Add	*2.55*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.21*	
		For >900, Deduct	*-3.33*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	62.70	34.81
		For Up To 15, Add	*5.11*	
		For >15 To 33, Add	*2.55*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.24*	
		For >900, Deduct	*-3.37*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	66.99	37.73
		For Up To 15, Add	*5.53*	
		For >15 To 33, Add	*2.77*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.38*	
		For >900, Deduct	*-3.58*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0065	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	69.11	37.73
		For Up To 15, Add	*5.53*	
		For >15 To 33, Add	*2.77*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.49*	
		For >900, Deduct	*-3.73*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0066	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	70.74	37.73
		For Up To 15, Add	*5.53*	
		For >15 To 33, Add	*2.77*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.57*	
		For >900, Deduct	*-3.85*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0067	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	77.09	40.62
		For Up To 15, Add	*5.96*	
		For >15 To 33, Add	*2.98*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.42*	
		For >600 To 900, Deduct	*-2.81*	
		For >900, Deduct	*-4.20*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0068	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	79.08	40.62
		For Up To 15, Add	*5.96*	
		For >15 To 33, Add	*2.98*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.91*	
		For >900, Deduct	*-4.34*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0069	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	81.30	40.62
		For Up To 15, Add	*5.96*	
		For >15 To 33, Add	*2.98*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-3.02*	
		For >900, Deduct	*-4.50*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0070		Removal And Reinstallation Of Carpet And Pad *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0071	SY	Removal And Reinstallation Of Carpet And Pad	48.97	
09 68 16 00-0072		Carpeting Support Functions *(09 68 16)*		
09 68 16 00-0073		Relocate Partitions, Modular Workstations *(09 68 16 00-0072)*		
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.		
09 68 16 00-0074	EA	Relocate Modular Workstation	442.30	
09 68 16 00-0075		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0076	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	20.61	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*4.04*	
		For >15 To 33, Add	*2.02*	
09 68 16 00-0077	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	23.98	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*4.71*	
		For >15 To 33, Add	*2.36*	
09 68 16 00-0078	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	28.69	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*5.65*	
		For >15 To 33, Add	*2.83*	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001		Cork Wall Covering *(09 72 13)*		
09 72 13 00-0002	SF	1/8" Cork Wall Covering	6.84	1.17
09 72 13 00-0003	SF	1/4" Cork Wall Covering	8.46	1.17
09 72 13 00-0004	SF	1/2" Cork Wall Covering	9.75	1.17
09 72 13 00-0005	SF	3/4" Cork Wall Covering	13.51	1.17

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 13 Flexible Vinyl Wall Coverings *(09 72 16)*

09 72 16 13-0001		Vinyl Wall Coverings *(09 72 16 13)*		
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF	7 To 10 Oz./SY Vinyl Wall Covering	3.15	1.17
		For Owner Furnished Material, Deduct	*-1.31*	
09 72 16 13-0003	SF	11 To 14 Oz./SY Vinyl Wall Covering	3.87	1.17
		For Owner Furnished Material, Deduct	*-1.91*	
09 72 16 13-0004	SF	15 To 19 Oz./SY Vinyl Wall Covering	4.61	1.17
		For Owner Furnished Material, Deduct	*-2.40*	
09 72 16 13-0005	SF	20 To 25 Oz./SY Vinyl Wall Covering	5.21	1.17
		For Owner Furnished Material, Deduct	*-2.76*	
09 72 16 13-0006	SF	26 To 32 Oz./SY Vinyl Wall Covering	5.92	1.17
		For Owner Furnished Material, Deduct	*-3.36*	
09 72 16 13-0007	SF	33 To 38 Oz./SY Vinyl Wall Covering	6.93	1.17
		For Owner Furnished Material, Deduct	*-4.25*	

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001 Carpet Wall Covering *(09 73)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	63.20	38.66
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	64.46	38.66
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	69.96	41.63
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	74.05	41.63
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	78.26	41.63
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	79.78	41.63
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	82.86	44.96
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	86.20	44.96

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.36	0.42
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.52	0.42
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.76	0.42
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.94	0.42
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.18	0.42
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.40	0.42
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.70	0.42
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	4.04	0.42

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.31	0.42

09 81 16 00-0013 Sound Attenuation Batts *(09 81 16)*
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.93	0.56
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	2.12	0.56
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.27	0.56
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.66	0.56
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.78	0.56
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.75	0.56
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.88	0.56

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	14.60	2.82

09 84 13 00-0003 Sound Absorbing Acoustical Wall Panel System *(09 84 13)*
See CSI section 06 11 16 00-0190 for wood furring.

09 84 13 00-0004 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0003)*
Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0005	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	16.11	3.17
09 84 13 00-0006	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	14.95	3.17
09 84 13 00-0007	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.59	3.17
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	18.62	3.17
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	20.46	3.17
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	20.46	3.17

09 84 13 00-0011 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0003)*
Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0012	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	18.64	3.17
09 84 13 00-0013	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	21.64	3.17
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	21.64	3.17
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	24.63	3.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	24.63	3.17

09 84 13 00-0017 Sound Absorbing Panel, Eggcrate Style *(09 84 13)*

Note: Ceiling or wall hung back.

09 84 13 00-0018	SF	2" Thick (Eggcrate Style) Polyurethane Sound Wave	14.50	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0019	SF	3" Thick (Eggcrate Style) Polyurethane Sound Wave	19.39	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	4" Thick (Eggcrate Style) Polyurethane Sound Wave	25.63	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	2" Thick (Eggcrate Style) Melamine Sound Wave	19.22	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0022	SF	3" Thick (Eggcrate Style) Melamine Sound Wave	29.92	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0023	SF	4" Thick (Eggcrate Style) Melamine Sound Wave	37.86	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	

09 84 13 00-0024 Sound Deadening Fiberboard *(09 84 13)*

09 84 13 00-0025	SF	1/2" Sound Deadening Fiberboard	1.79	0.71
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.61*	
		For >128 To 320, Add	*0.37*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.79	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.63	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	
09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.43	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	2.12	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.98	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0012	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.29	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	

09 91 13 00-0013 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0014	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0016	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	2.18	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0017	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0018	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0019	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.66	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0020	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.83	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0022	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0023	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

09 91 13 00-0026	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.52	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0027	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.74	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0028	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	3.04	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 13 00-0029	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0030	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.39	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0031	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.47	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0032	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	1.09	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0033	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0034	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	2.33	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0035	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.28	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

09 91 13 00-0037	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0038	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	3.00	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0040	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.82	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0041	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0042	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0043	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.42	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0044	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.58	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0045	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	1.15	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0046	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0047	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.88	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0048	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.55	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0049	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.27	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0052	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0053	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	2.19	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
		For Epoxy Paint, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0055	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0056	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0057	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.83	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0058	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0059	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.45	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0060	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.36	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.50	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.72	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	1.02	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.16	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.20	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.91	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	2.03	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.36	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.50	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.71	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.27	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.42	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	2.03	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	19.64	
		For Work >15' To 20' Above Floor, Add	*2.63*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*7.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*9.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*13.45*	
		For >100 To 250, Add	*6.34*	
		For >250 To 500, Add	*2.73*	
		For >2,500 To 5,000, Deduct	*-0.98*	
		For >5,000 To 10,000, Deduct	*-1.96*	
		For >10,000 To 20,000, Deduct	*-2.95*	
		For >20,000, Deduct	*-3.93*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	21.85	
		For Work >15' To 20' Above Floor, Add	*2.92*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.86*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*7.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*10.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*14.94*	
		For >100 To 250, Add	*7.05*	
		For >250 To 500, Add	*3.04*	
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000 To 10,000, Deduct	*-2.19*	
		For >10,000 To 20,000, Deduct	*-3.28*	
		For >20,000, Deduct	*-4.37*	
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	40.84	
		For Work >15' To 20' Above Floor, Add	*5.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*28.06*	
		For >100 To 250, Add	*13.22*	
		For >250 To 500, Add	*5.70*	
		For >2,500 To 5,000, Deduct	*-2.04*	
		For >5,000 To 10,000, Deduct	*-4.08*	
		For >10,000 To 20,000, Deduct	*-6.13*	
		For >20,000, Deduct	*-8.17*	

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	1.14	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.53	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.55	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	

09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0091	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.83	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0092	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	2.01	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0093	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.75	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.50*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0094	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0095	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.58	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0096	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.92	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	
09 91 13 00-0097	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0098	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0099	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.70	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0100	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.33	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0103	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0104	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0105	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.92	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0107	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.34	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0108	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.52	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0109	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0110	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0111	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	2.09	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0112	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.27	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 13 00-0113 Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*

Note: Includes shingles, shakes or rough sawn siding.

09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.07	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.06	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.79	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.51*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.51*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 20,000, Deduct	*-0.57*	
		For >20,000, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.00	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	3.73	
		For Oil Based Paint, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.75*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.49	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	3.16	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0124	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0125	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0126	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.38	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0127	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0128	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0129	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	2.01	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0130	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	1.04	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0131	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.18	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0132	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.33	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0133	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0134 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0135 Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*

09 91 13 00-0136	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0137	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.31	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0138	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	2.34	
		For Oil Based Paint, Add	*0.14*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0139	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0140	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0141	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.93	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0142	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.86	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0143	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0145	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

09 91 13 00-0147	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0148	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.31	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0149	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.35	
		For Oil Based Paint, Add	*0.14*	
		For Orange Peel Finish, Add	*0.33*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0150	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0151	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0152	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.92	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.26*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
		For Epoxy Paint, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.86	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0154	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0155	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0156	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0159	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.50	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0160	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0161	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.81	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	
09 91 13 00-0162	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0163	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.31	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	2.34	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0165	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0166	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0167	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.91	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0168	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.26	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	2.23	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	2.26	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.94	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.63*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.54*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.79*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.00	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.15	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.86	
		For Oil Based Paint, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.58*	
		For >20,000, Deduct	*-0.77*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.67	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.86	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	3.37	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.67*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.50	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.64	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	3.00	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.15	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.30	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.30	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.40	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	2.22	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.50	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.64	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	3.00	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.42	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.55	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.22	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.32	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.53	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.79	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	

09 91 13 00-0204 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0205 Paint Exterior Concrete Floors *(09 91 13 00-0204)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0206	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0207	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0208	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.93	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0212	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0213	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0214	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.44	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0215	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.34	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0216	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.83	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.02*	
		For >20,000, Deduct	*-1.37*	
09 91 13 00-0217	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.17	
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0218 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0219	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.17	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0220	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0221	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.38	
		For Oil Based Paint, Add	*0.15*	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0222	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0223	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0224	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.92	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0225	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.86	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0226	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0227	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.72	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0228	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.48	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0229	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.97	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000 To 20,000, Deduct	*-1.05*	
		For >20,000, Deduct	*-1.39*	
09 91 13 00-0230	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.21	
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0231 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0232 Paint Exterior Door Frames *(09 91 13 00-0231)*

09 91 13 00-0233	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.51	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.40*	
09 91 13 00-0234	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.97	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.52*	
09 91 13 00-0235	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	3.33	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.87*	
09 91 13 00-0236	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.52	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.41*	
09 91 13 00-0237	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.98	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.52*	
09 91 13 00-0238	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	3.34	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.88*	

09 91 13 00-0239 Paint Exterior Metal Doors *(09 91 13 00-0231)*

09 91 13 00-0240	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: One face	66.26	
		For Half Louvered Door, Add	*6.14*	
		For Full Louvered Door, Add	*10.23*	
		For Electrostatic Painting, Add	*10.43*	
		For >5 To 10, Deduct	*-3.31*	
		For >10 To 25, Deduct	*-6.63*	
		For >25, Deduct	*-9.94*	
09 91 13 00-0241	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face	66.26	
		For Half Louvered Door, Add	*6.14*	
		For Full Louvered Door, Add	*10.23*	
		For Electrostatic Painting, Add	*10.43*	
		For >5 To 10, Deduct	*-3.31*	
		For >10 To 25, Deduct	*-6.63*	
		For >25, Deduct	*-9.94*	
09 91 13 00-0242	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face	119.50	
		For Half Louvered Door, Add	*10.37*	
		For Full Louvered Door, Add	*17.28*	
		For Electrostatic Painting, Add	*19.51*	
		For >5 To 10, Deduct	*-5.98*	
		For >10 To 25, Deduct	*-11.95*	
		For >25, Deduct	*-17.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0243	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces	118.92	
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.34*	
		For Electrostatic Painting, Add	*18.72*	
		For >5 To 10, Deduct	*-5.95*	
		For >10 To 25, Deduct	*-11.89*	
		For >25, Deduct	*-17.84*	
09 91 13 00-0244	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces	118.92	
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.34*	
		For Electrostatic Painting, Add	*18.72*	
		For >5 To 10, Deduct	*-5.95*	
		For >10 To 25, Deduct	*-11.89*	
		For >25, Deduct	*-17.84*	
09 91 13 00-0245	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces	215.24	
		For Half Louvered Door, Add	*18.62*	
		For Full Louvered Door, Add	*31.03*	
		For Electrostatic Painting, Add	*35.19*	
		For >5 To 10, Deduct	*-10.76*	
		For >10 To 25, Deduct	*-21.52*	
		For >25, Deduct	*-32.29*	
09 91 13 00-0246	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door Note: One face	65.56	
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For Electrostatic Painting, Add	*10.74*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.56*	
		For >25, Deduct	*-9.83*	
09 91 13 00-0247	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: One face	65.55	
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For Electrostatic Painting, Add	*10.74*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.56*	
		For >25, Deduct	*-9.83*	
09 91 13 00-0248	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: One face	119.03	
		For Half Louvered Door, Add	*9.54*	
		For Full Louvered Door, Add	*15.91*	
		For Electrostatic Painting, Add	*20.21*	
		For >5 To 10, Deduct	*-5.95*	
		For >10 To 25, Deduct	*-11.90*	
		For >25, Deduct	*-17.85*	
09 91 13 00-0249	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door Note: Both faces	117.65	
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For Electrostatic Painting, Add	*19.28*	
		For >5 To 10, Deduct	*-5.88*	
		For >10 To 25, Deduct	*-11.77*	
		For >25, Deduct	*-17.65*	
09 91 13 00-0250	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	117.65	
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For Electrostatic Painting, Add	*19.28*	
		For >5 To 10, Deduct	*-5.88*	
		For >10 To 25, Deduct	*-11.77*	
		For >25, Deduct	*-17.65*	
09 91 13 00-0251	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	214.53	
		For Half Louvered Door, Add	*17.15*	
		For Full Louvered Door, Add	*28.58*	
		For Electrostatic Painting, Add	*36.49*	
		For >5 To 10, Deduct	*-10.73*	
		For >10 To 25, Deduct	*-21.45*	
		For >25, Deduct	*-32.18*	
09 91 13 00-0252	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.23	
		For Electrostatic Painting, Add	*0.39*	
09 91 13 00-0253	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.39	
		For Electrostatic Painting, Add	*0.43*	
09 91 13 00-0254	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	6.95	
		For Electrostatic Painting, Add	*0.86*	
09 91 13 00-0255	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.96	
		For Electrostatic Painting, Add	*0.46*	
09 91 13 00-0256	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	4.12	
		For Electrostatic Painting, Add	*0.50*	
09 91 13 00-0257	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	8.01	
		For Electrostatic Painting, Add	*0.97*	

09 91 13 00-0258 Paint Exterior Wood Doors *(09 91 13 00-0231)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0259	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	62.78	
		Note: One face		
		For Half Louvered Door, Add	*6.14*	
		For Full Louvered Door, Add	*10.23*	
		For >5 To 10, Deduct	*-3.14*	
		For >10 To 25, Deduct	*-6.28*	
		For >25, Deduct	*-9.42*	
09 91 13 00-0260	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	62.78	
		Note: One face		
		For Half Louvered Door, Add	*6.14*	
		For Full Louvered Door, Add	*10.23*	
		For >5 To 10, Deduct	*-3.14*	
		For >10 To 25, Deduct	*-6.28*	
		For >25, Deduct	*-9.42*	
09 91 13 00-0261	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	112.59	
		Note: One face		
		For Half Louvered Door, Add	*10.37*	
		For Full Louvered Door, Add	*17.28*	
		For >5 To 10, Deduct	*-5.63*	
		For >10 To 25, Deduct	*-11.26*	
		For >25, Deduct	*-16.89*	
09 91 13 00-0262	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	112.67	
		Note: Both faces		
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.34*	
		For >5 To 10, Deduct	*-5.63*	
		For >10 To 25, Deduct	*-11.27*	
		For >25, Deduct	*-16.90*	
09 91 13 00-0263	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	112.67	
		Note: Both faces		
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.34*	
		For >5 To 10, Deduct	*-5.63*	
		For >10 To 25, Deduct	*-11.27*	
		For >25, Deduct	*-16.90*	
09 91 13 00-0264	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	202.74	
		Note: Both faces		
		For Half Louvered Door, Add	*18.62*	
		For Full Louvered Door, Add	*31.03*	
		For >5 To 10, Deduct	*-10.14*	
		For >10 To 25, Deduct	*-20.27*	
		For >25, Deduct	*-30.41*	
09 91 13 00-0265	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	61.73	
		Note: One face		
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For >5 To 10, Deduct	*-3.09*	
		For >10 To 25, Deduct	*-6.17*	
		For >25, Deduct	*-9.26*	
09 91 13 00-0266	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	61.73	
		Note: One face		
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For >5 To 10, Deduct	*-3.09*	
		For >10 To 25, Deduct	*-6.17*	
		For >25, Deduct	*-9.26*	
09 91 13 00-0267	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	111.46	
		Note: One face		
		For Half Louvered Door, Add	*9.55*	
		For Full Louvered Door, Add	*15.91*	
		For >5 To 10, Deduct	*-5.57*	
		For >10 To 25, Deduct	*-11.15*	
		For >25, Deduct	*-16.72*	
09 91 13 00-0268	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	110.78	
		Note: Both faces		
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For >5 To 10, Deduct	*-5.54*	
		For >10 To 25, Deduct	*-11.08*	
		For >25, Deduct	*-16.62*	
09 91 13 00-0269	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	110.78	
		Note: Both faces		
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For >5 To 10, Deduct	*-5.54*	
		For >10 To 25, Deduct	*-11.08*	
		For >25, Deduct	*-16.62*	
09 91 13 00-0270	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	200.78	
		Note: Both faces		
		For Half Louvered Door, Add	*17.15*	
		For Full Louvered Door, Add	*28.58*	
		For >5 To 10, Deduct	*-10.04*	
		For >10 To 25, Deduct	*-20.08*	
		For >25, Deduct	*-30.12*	
09 91 13 00-0271	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.19	
09 91 13 00-0272	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.31	
09 91 13 00-0273	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.80	
09 91 13 00-0274	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.90	
09 91 13 00-0275	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	4.04	
09 91 13 00-0276	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	7.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0277 Paint Exterior Metal Windows *(09 91 13 00-0231)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0278	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	108.55	
		For Electrostatic Painting, Add	*13.38*	
		For >5 To 10, Deduct	*-5.43*	
		For >10 To 25, Deduct	*-10.86*	
		For >25, Deduct	*-16.28*	
09 91 13 00-0279	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	131.83	
		For Electrostatic Painting, Add	*17.09*	
		For >5 To 10, Deduct	*-6.59*	
		For >10 To 25, Deduct	*-13.18*	
		For >25, Deduct	*-19.77*	
09 91 13 00-0280	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	178.05	
		For Electrostatic Painting, Add	*23.35*	
		For >5 To 10, Deduct	*-8.90*	
		For >10 To 25, Deduct	*-17.81*	
		For >25, Deduct	*-26.71*	
09 91 13 00-0281	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	200.51	
		For Electrostatic Painting, Add	*26.32*	
		For >5 To 10, Deduct	*-10.03*	
		For >10 To 25, Deduct	*-20.05*	
		For >25, Deduct	*-30.08*	
09 91 13 00-0282	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	222.32	
		For Electrostatic Painting, Add	*29.12*	
		For >5 To 10, Deduct	*-11.12*	
		For >10 To 25, Deduct	*-22.23*	
		For >25, Deduct	*-33.35*	
09 91 13 00-0283	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	7.05	
		For Electrostatic Painting, Add	*0.92*	

09 91 13 00-0284 Paint Exterior Wood Windows *(09 91 13 00-0231)*

Note: Two finish coats paint over primer.

09 91 13 00-0285	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	106.24	
		For >5 To 10, Deduct	*-5.31*	
		For >10 To 25, Deduct	*-10.62*	
		For >25, Deduct	*-15.94*	
09 91 13 00-0286	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	128.26	
		For >5 To 10, Deduct	*-6.41*	
		For >10 To 25, Deduct	*-12.83*	
		For >25, Deduct	*-19.24*	
09 91 13 00-0287	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	172.98	
		For >5 To 10, Deduct	*-8.65*	
		For >10 To 25, Deduct	*-17.30*	
		For >25, Deduct	*-25.95*	
09 91 13 00-0288	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	194.79	
		For >5 To 10, Deduct	*-9.74*	
		For >10 To 25, Deduct	*-19.48*	
		For >25, Deduct	*-29.22*	
09 91 13 00-0289	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	216.02	
		For >5 To 10, Deduct	*-10.80*	
		For >10 To 25, Deduct	*-21.60*	
		For >25, Deduct	*-32.40*	
09 91 13 00-0290	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	7.21	

09 91 13 00-0291 Paint Exterior Security Screens *(09 91 13 00-0231)*

09 91 13 00-0292	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	2.28	
		For Electrostatic Painting, Add	*0.29*	
09 91 13 00-0293	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	2.36	
		For Electrostatic Painting, Add	*0.28*	
09 91 13 00-0294	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	3.90	
		For Electrostatic Painting, Add	*0.46*	

09 91 13 00-0295 Paint Exterior Window Guards *(09 91 13 00-0231)*

09 91 13 00-0296	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	2.28	
09 91 13 00-0297	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.36	
09 91 13 00-0298	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	3.90	

09 91 13 00-0299 Paint Exterior Window Trim *(09 91 13 00-0231)*

09 91 13 00-0300	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.08	
09 91 13 00-0301	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.08	
09 91 13 00-0302	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	3.31	
09 91 13 00-0303	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.30	
09 91 13 00-0304	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.30	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0305	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	3.77	

09 91 13 00-0306 Paint Exterior Roofing And Trim *(09 91 13)*

09 91 13 00-0307 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0306)*

09 91 13 00-0308	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.87	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 91 13 00-0309	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	5.27	
		For Up To 100, Add	*2.84*	
		For >100 To 250, Add	*1.38*	
		For >250 To 500, Add	*0.61*	

09 91 13 00-0310 Paint Metal Roofing *(09 91 13 00-0306)*

09 91 13 00-0311	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	1.24	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0312	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	2.16	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	

09 91 13 00-0313 Paint Fascia Board *(09 91 13 00-0306)*

09 91 13 00-0314	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	1.18	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0315	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	1.18	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0316	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	2.05	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	

09 91 13 00-0317 Paint Soffit *(09 91 13 00-0306)*

09 91 13 00-0318	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.36	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0319	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.36	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0320	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	2.33	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	

09 91 13 00-0321 Paint Metal Surfaces *(09 91 13)*

Note: Tasks can be used for exterior or interior applications.

09 91 13 00-0322 Paint Structural Steel *(09 91 13 00-0321)*

09 91 13 00-0323 Paint Structural Steel, Brush Work *(09 91 13 00-0322)*

09 91 13 00-0324	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.58	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0325	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	1.40	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For Epoxy Paint, Add	*0.15*	

09 91 13 00-0326 Paint Structural Steel, Spray Work *(09 91 13 00-0322)*

09 91 13 00-0327	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	1.05	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0328	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.86	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0329 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0322)*

09 91 13 00-0330	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	1.18	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0331	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	1.18	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0332	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.97	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0333	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.56	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0334	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.52	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0335	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.86	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0336	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.45	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0337	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.45	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0338	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	2.42	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For Epoxy Paint, Add	*0.34*	

09 91 13 00-0339 Paint Steel Pipes *(09 91 13 00-0321)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0340	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.13	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0341	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.39	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0342	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.70	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0343	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	3.37	
		For Electrostatic Painting, Add	*0.43*	
		For Epoxy Paint, Add	*0.35*	
09 91 13 00-0344	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	4.26	
		For Electrostatic Painting, Add	*0.54*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0345	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.13	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0346	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.39	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0347	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.70	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0348	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	3.37	
		For Electrostatic Painting, Add	*0.43*	
		For Epoxy Paint, Add	*0.35*	
09 91 13 00-0349	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	4.26	
		For Electrostatic Painting, Add	*0.54*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0350	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	4.32	
		For Electrostatic Painting, Add	*0.58*	
		For Epoxy Paint, Add	*0.50*	
09 91 13 00-0351	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.78	
		For Electrostatic Painting, Add	*0.61*	
		For Epoxy Paint, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0352	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	5.16	
		For Electrostatic Painting, Add	*0.66*	
		For Epoxy Paint, Add	*0.55*	
09 91 13 00-0353	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	6.53	
		For Electrostatic Painting, Add	*0.83*	
		For Epoxy Paint, Add	*0.68*	
09 91 13 00-0354	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	8.03	
		For Electrostatic Painting, Add	*1.03*	
		For Epoxy Paint, Add	*0.85*	
09 91 13 00-0355	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	10.54	
		For Electrostatic Painting, Add	*1.11*	
		For Epoxy Paint, Add	*0.64*	

09 91 13 00-0356 Paint Metal Louvers *(09 91 13 00-0321)*

09 91 13 00-0357	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	2.22	
		For Electrostatic Painting, Add	*0.26*	
09 91 13 00-0358	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	2.25	
		For Electrostatic Painting, Add	*0.26*	
09 91 13 00-0359	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	4.60	
		For Electrostatic Painting, Add	*0.54*	

09 91 13 00-0360 Paint Ladders *(09 91 13 00-0321)*

09 91 13 00-0361	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	6.21	
		For Epoxy Paint, Add	*0.36*	
09 91 13 00-0362	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	6.94	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0363	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	13.73	
		For Epoxy Paint, Add	*0.76*	

09 91 13 00-0364 Paint Handrails *(09 91 13 00-0321)*

09 91 13 00-0365	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.44	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0366	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.71	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0367	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	4.49	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0368	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	4.30	
		For Epoxy Paint, Add	*0.47*	
09 91 13 00-0369	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	4.72	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0370	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	8.15	
		For Epoxy Paint, Add	*0.79*	
09 91 13 00-0371	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	4.65	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0372	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	5.10	
		For Epoxy Paint, Add	*0.51*	
09 91 13 00-0373	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	8.67	
		For Epoxy Paint, Add	*0.82*	
09 91 13 00-0374	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	2.61	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0375	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.88	
		For Epoxy Paint, Add	*0.27*	
09 91 13 00-0376	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	5.24	
		For Epoxy Paint, Add	*0.52*	

09 91 13 00-0377 Paint Grating *(09 91 13 00-0321)*

09 91 13 00-0378	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	4.50	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0379	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	4.56	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0380	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	6.83	
		For Epoxy Paint, Add	*0.49*	

09 91 13 00-0381 Paint Fire Escape Components *(09 91 13 00-0321)*

09 91 13 00-0382 Paint Fire Escape Ladders *(09 91 13 00-0381)*

Note: Includes hand rails.

09 91 13 00-0383 Paint Fire Escape Ladders, Spray Work *(09 91 13 00-0382)*

09 91 13 00-0384	LF	Paint Fire Escape Ladders, 1 Coat Primer, Sprayed	4.21	
		For Up To 100, Add	*3.05*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.61*	
		For Epoxy Paint, Add	*0.26*	
		For Electrostatic Painting, Add	*0.45*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0385	LF	Paint Fire Escape Ladders, 1 Coat Paint, Sprayed	4.69	
		For Up To 100, Add	*3.41*	
		For >100 To 250, Add	*1.60*	
		For >250 To 500, Add	*0.69*	
		For Epoxy Paint, Add	*0.29*	
		For Electrostatic Painting, Add	*0.50*	
		For Epoxy Paint, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0386	LF	Paint Fire Escape Ladders, 2 Coats Paint, Sprayed	9.24	
		For Up To 100, Add	*6.78*	
		For >100 To 250, Add	*3.17*	
		For >250 To 500, Add	*1.36*	
		For Epoxy Paint, Add	*0.54*	
		For Electrostatic Painting, Add	*0.96*	
		For Epoxy Paint, Add	*0.54*	

09 91 13 00-0387 Paint Fire Escape Ladders, Brush Work *(09 91 13 00-0382)*

09 91 13 00-0388	LF	Paint Fire Escape Ladders, 1 Coat Primer, Brush/Roller Work	6.21	
		For Up To 100, Add	*4.55*	
		For >100 To 250, Add	*2.13*	
		For >250 To 500, Add	*0.91*	
		For Epoxy Paint, Add	*0.36*	
		For Epoxy Paint, Add	*0.36*	
09 91 13 00-0389	LF	Paint Fire Escape Ladders, 1 Coat Paint, Brush/Roller Work	6.94	
		For Up To 100, Add	*5.10*	
		For >100 To 250, Add	*2.38*	
		For >250 To 500, Add	*1.02*	
		For Epoxy Paint, Add	*0.40*	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0390	LF	Paint Fire Escape Ladders, 2 Coats Paint, Brush/Roller Work	13.73	
		For Up To 100, Add	*10.15*	
		For >100 To 250, Add	*4.74*	
		For >250 To 500, Add	*2.03*	
		For Epoxy Paint, Add	*0.76*	
		For Epoxy Paint, Add	*0.76*	

09 91 13 00-0391 Paint Fire Escape Landings *(09 91 13 00-0381)*

Note: Includes the top of the landing and support brackets. Double the SF for the bottom of the landing.

09 91 13 00-0392 Paint Fire Escape Landings, Spray Work *(09 91 13 00-0391)*

09 91 13 00-0393	SF	Paint Fire Escape Landings, 1 Coat Primer, Sprayed	3.07	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.44*	
		For Epoxy Paint, Add	*0.21*	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0394	SF	Paint Fire Escape Landings, 1 Coat Paint, Sprayed	3.13	
		For Up To 100, Add	*2.20*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.44*	
		For Epoxy Paint, Add	*0.23*	
		For Electrostatic Painting, Add	*0.35*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0395	SF	Paint Fire Escape Landings, 2 Coats Paint, Sprayed	4.71	
		For Up To 100, Add	*3.24*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.66*	
		For Epoxy Paint, Add	*0.38*	
		For Electrostatic Painting, Add	*0.54*	
		For Epoxy Paint, Add	*0.38*	

09 91 13 00-0396 Paint Fire Escape Landings, Brush Work *(09 91 13 00-0391)*

09 91 13 00-0397	SF	Paint Fire Escape Landings, 1 Coat Primer, Brush/Roller Work	4.50	
		For Up To 100, Add	*3.26*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.66*	
		For Epoxy Paint, Add	*0.28*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0398	SF	Paint Fire Escape Landings, 1 Coat Paint, Brush/Roller Work	4.56	
		For Up To 100, Add	*3.27*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.66*	
		For Epoxy Paint, Add	*0.30*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0399	SF	Paint Fire Escape Landings, 2 Coats Paint, Brush/Roller Work	6.83	
		For Up To 100, Add	*4.83*	
		For >100 To 250, Add	*2.27*	
		For >250 To 500, Add	*0.98*	
		For Epoxy Paint, Add	*0.49*	
		For Epoxy Paint, Add	*0.49*	

09 91 13 00-0400 Paint Fire Escape Stairs *(09 91 13 00-0381)*

09 91 13 00-0401 Paint Fire Escape Stairs, Spray Work *(09 91 13 00-0400)*

09 91 13 00-0402	RSR	Paint Fire Escape Stairs, 1 Coat Primer, Sprayed	9.66	
		For Up To 100, Add	*6.69*	
		For >100 To 250, Add	*3.15*	
		For >250 To 500, Add	*1.36*	
		For Epoxy Paint, Add	*0.76*	
		For Electrostatic Painting, Add	*1.10*	
		For Epoxy Paint, Add	*0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0403	RSR	Paint Fire Escape Stairs, 1 Coat Paint, Sprayed	9.66	
		For Up To 100, Add	*6.69*	
		For >100 To 250, Add	*3.15*	
		For >250 To 500, Add	*1.36*	
		For Epoxy Paint, Add	*0.76*	
		For Electrostatic Painting, Add	*1.10*	
		For Epoxy Paint, Add	*0.76*	
09 91 13 00-0404	RSR	Paint Fire Escape Stairs, 2 Coats Paint, Sprayed	19.33	
		For Up To 100, Add	*13.39*	
		For >100 To 250, Add	*6.31*	
		For >250 To 500, Add	*2.72*	
		For Epoxy Paint, Add	*1.52*	
		For Electrostatic Painting, Add	*2.21*	
		For Epoxy Paint, Add	*1.52*	

09 91 13 00-0405 Paint Fire Escape Stairs, Brush Work *(09 91 13 00-0400)*

09 91 13 00-0406	RSR	Paint Fire Escape Stairs, 1 Coat Primer, Brush/Roller Work	14.04	
		For Up To 100, Add	*9.98*	
		For >100 To 250, Add	*4.68*	
		For >250 To 500, Add	*2.01*	
		For Epoxy Paint, Add	*0.98*	
		For Epoxy Paint, Add	*0.98*	
09 91 13 00-0407	RSR	Paint Fire Escape Stairs, 1 Coat Paint, Brush/Roller Work	14.04	
		For Up To 100, Add	*9.98*	
		For >100 To 250, Add	*4.68*	
		For >250 To 500, Add	*2.01*	
		For Epoxy Paint, Add	*0.98*	
		For Epoxy Paint, Add	*0.98*	
09 91 13 00-0408	RSR	Paint Fire Escape Stairs, 2 Coats Paint, Brush/Roller Work	28.08	
		For Up To 100, Add	*19.96*	
		For >100 To 250, Add	*9.37*	
		For >250 To 500, Add	*4.03*	
		For Epoxy Paint, Add	*1.96*	
		For Epoxy Paint, Add	*1.96*	

09 91 13 00-0409 Paint Fire Escape Railings *(09 91 13 00-0381)*

Note: Includes top and bottom rails and vertical bars.

09 91 13 00-0410 Paint Fire Escape Railings, Spray Work *(09 91 13 00-0409)*

09 91 13 00-0411	LF	Paint Fire Escape Railings, 1 Coat Primer, Sprayed	2.77	
		For Up To 100, Add	*1.93*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	
		For Epoxy Paint, Add	*0.21*	
		For Electrostatic Painting, Add	*0.31*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0412	LF	Paint Fire Escape Railings, 1 Coat Paint, Sprayed	3.08	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
		For Epoxy Paint, Add	*0.23*	
		For Electrostatic Painting, Add	*0.35*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0413	LF	Paint Fire Escape Railings, 2 Coats Paint, Sprayed	5.29	
		For Up To 100, Add	*3.75*	
		For >100 To 250, Add	*1.76*	
		For >250 To 500, Add	*0.76*	
		For Epoxy Paint, Add	*0.38*	
		For Electrostatic Painting, Add	*0.58*	
		For Epoxy Paint, Add	*0.38*	

09 91 13 00-0414 Paint Fire Escape Railings, Brush Work *(09 91 13 00-0409)*

09 91 13 00-0415	LF	Paint Fire Escape Railings, 1 Coat Primer, Brush/Roller Work	4.04	
		For Up To 100, Add	*2.88*	
		For >100 To 250, Add	*1.35*	
		For >250 To 500, Add	*0.58*	
		For Epoxy Paint, Add	*0.28*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0416	LF	Paint Fire Escape Railings, 1 Coat Paint, Brush/Roller Work	4.49	
		For Up To 100, Add	*3.22*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.65*	
		For Epoxy Paint, Add	*0.30*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0417	LF	Paint Fire Escape Railings, 2 Coats Paint, Brush/Roller Work	7.75	
		For Up To 100, Add	*5.59*	
		For >100 To 250, Add	*2.62*	
		For >250 To 500, Add	*1.13*	
		For Epoxy Paint, Add	*0.50*	
		For Epoxy Paint, Add	*0.50*	

09 91 13 00-0418 Other Site Work Painting *(09 91 13)*

09 91 13 00-0419 Paint Fencing *(09 91 13 00-0418)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0420	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	1.06	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0421	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	2.00	
		For Epoxy Paint, Add	*0.23*	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 91 13 00-0422	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	1.05	
		For Epoxy Paint, Add	*0.13*	
		For Electrostatic Painting, Add	*0.15*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0423	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.96	
		For Epoxy Paint, Add	*0.26*	
		For Electrostatic Painting, Add	*0.28*	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 91 13 00-0424	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.97	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0425	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.91	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0426	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.66	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0427	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	1.27	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0428	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	1.27	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0429	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.90	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0430	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.93	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0431	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.69	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 91 13 00-0432	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.81	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0433	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.52	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	

09 91 13 00-0434 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0418)*

09 91 13 00-0435	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	4.90
09 91 13 00-0436	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	4.91
09 91 13 00-0437	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	8.72
09 91 13 00-0438	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.68
09 91 13 00-0439	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.70
09 91 13 00-0440	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	4.97

09 91 13 00-0441 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0418)*

09 91 13 00-0442	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	6.07
09 91 13 00-0443	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	6.08
09 91 13 00-0444	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	10.79
09 91 13 00-0445	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	3.26
09 91 13 00-0446	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	3.28
09 91 13 00-0447	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	6.06

09 91 13 00-0448 Paint Flagpoles *(09 91 13 00-0418)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0449	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	314.88	
09 91 13 00-0450	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	423.55	
09 91 13 00-0451	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	532.27	
09 91 13 00-0452	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	641.02	
09 91 13 00-0453	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	828.59	
09 91 13 00-0454	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	933.58	
09 91 13 00-0455	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	1,038.60	

09 91 13 00-0456 Paint Lattice Or Trellis *(09 91 13 00-0418)*

09 91 13 00-0457	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	2.11	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 91 13 00-0458	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	3.89	
		For Up To 100, Add	*2.64*	
		For >100 To 250, Add	*1.25*	
		For >250 To 500, Add	*0.54*	

09 91 13 00-0459 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0460 Paint Exterior Concrete Stairs *(09 91 13 00-0459)*

09 91 13 00-0461	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	27.03
09 91 13 00-0462	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	27.03
09 91 13 00-0463	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	33.21
09 91 13 00-0464	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	51.17
09 91 13 00-0465	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	54.07

09 91 13 00-0466 Paint Exterior Metal Stairs *(09 91 13 00-0459)*

09 91 13 00-0467	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	14.04	
		For Oil Based Paint, Add	*0.75*	
09 91 13 00-0468	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	14.04	
		For Oil Based Paint, Add	*0.75*	
09 91 13 00-0469	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	28.08	
		For Oil Based Paint, Add	*1.50*	

09 91 13 00-0470 Paint Exterior Wood Stairs *(09 91 13 00-0459)*

09 91 13 00-0471	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	13.91
09 91 13 00-0472	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	13.91
09 91 13 00-0473	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	20.09
09 91 13 00-0474	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	38.05
09 91 13 00-0475	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	27.82

09 91 13 00-0476 Paint Exterior Stair Nosing *(09 91 13 00-0459)*

09 91 13 00-0477	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	2.08	

09 91 13 00-0478 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0479 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0478)*

09 91 13 00-0480	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.78	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0481	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.95	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0482	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	3.51	
		For Work >15' To 20' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.67*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0483	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.61	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0484	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.76	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0485	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	3.14	
		For Work >15' To 20' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.46*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0486	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	2.82	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0487	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	3.71	
		For Work >15' To 20' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.01*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0488 Paint Exterior Wood Trim *(09 91 13 00-0478)*

09 91 13 00-0489	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	2.10	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0490	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.27	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0491	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.13	
		For Oil Based Paint, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.55*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.53*	
		For >2,500 To 5,000, Deduct	*-0.21*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000 To 20,000, Deduct	*-0.62*	
		For >20,000, Deduct	*-0.83*	
09 91 13 00-0492	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0493	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.85	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0494	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	3.45	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000 To 20,000, Deduct	*-0.52*	
		For >20,000, Deduct	*-0.69*	
09 91 13 00-0495	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.49	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0496	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0497	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	3.16	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	

09 91 13 00-0498 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0499	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.11	
		For Epoxy Paint, Add	*0.22*	
		For Electrostatic Painting, Add	*0.27*	
09 91 13 00-0500	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.98	
		For Epoxy Paint, Add	*0.17*	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0501	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	4.00	
		For Epoxy Paint, Add	*0.36*	
		For Electrostatic Painting, Add	*0.48*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0321 for additional interior materials.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

09 91 23 00-0003	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.31	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0004	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0005	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.69	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.25	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0009	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0010	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0011	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.92	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0012	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.35	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	1.10	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0015	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.25	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0016		Paint Interior Concrete Walls *(09 91 23 00-0001)*		
09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	2.26	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.87	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	1.15	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.93	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.85	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.20	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.53	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.77	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0034	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	3.17	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.63*	
09 91 23 00-0035	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0036	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.39	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0037	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.60	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0038	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	1.08	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0039	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.35	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0040	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	2.42	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0041	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.54	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

09 91 23 00-0043	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.44	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.69	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0045	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	3.07	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 23 00-0046	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.88	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0047	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0048	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.43	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.54	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0050	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.59	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0051	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0052	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.32	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0053	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	2.13	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.53	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0055	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.28	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.48	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0061 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0062	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.17	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0063	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.24	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0064	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	2.25	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.32*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0065	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0067	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.86	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.26*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0068	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0069	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0070	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0071	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.41	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.59	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.76	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.05	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.26	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.92	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	2.39	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0082 Paint Interior Galvanized Walls *(09 91 23 00-0081)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.47	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.62	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.95	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.59*	
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	1.09	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.26	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.37	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.98	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.31	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	2.15	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*

Note: Alkyd enamel paint.

09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.47	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.62	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.94	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.21	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.37	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.59	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.09	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.31	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	2.15	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.20	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.64	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.72	
		For Electrostatic Painting, Add	*0.42*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0107	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.93	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0108	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.12	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0109	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.73	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.50*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.75*	
09 91 23 00-0110	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.45	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0111	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.64	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0112	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	3.00	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0113	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0114	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0115	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	2.74	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 23 00-0116	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.36	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*

09 91 23 00-0119	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.44	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.63	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0121	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0122	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0123	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	2.04	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0124	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0125	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0126	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0127	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.24	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*

Note: Includes grid.

09 91 23 00-0130	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.27	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0131	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0132	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.48	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0133	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.09	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0134	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0135	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	2.00	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0136	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0137	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0138	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.66	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0139	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	

09 91 23 00-0140 Paint Interior Concrete Ceilings *(09 91 23 00-0128)*

09 91 23 00-0141	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.27	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0142	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.39	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0143	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	2.48	
		For Oil Based Paint, Add	*0.14*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0144	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0145	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0146	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	2.01	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0147	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0148	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0149	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0150	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.31	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.99	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	1.04	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0153	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.23	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

09 91 23 00-0155	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.27	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0156	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.40	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0157	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	2.48	
		For Epoxy Paint, Add	*0.21*	
		For Oil Based Paint, Add	*0.14*	
		For Orange Peel Finish, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0158	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.09	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0159	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.08	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0160	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	2.00	
		For Epoxy Paint, Add	*0.18*	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0161	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.07	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0162	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.05	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0163	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.66	
		For Epoxy Paint, Add	*0.19*	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0164	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.23	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.62	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.78	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	3.25	
		For Electrostatic Painting, Add	*0.44*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000, Deduct	*-0.65*	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.25	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.41	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.59	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.31	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.51	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	2.37	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.62	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.78	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	3.25	
		For Electrostatic Painting, Add	*0.44*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000, Deduct	*-0.65*	
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.37	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.53	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.88	
		For Electrostatic Painting, Add	*0.42*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.31	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.51	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.37	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.34	
		For Electrostatic Painting, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.70	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.72	
		For Electrostatic Painting, Add	*0.26*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.01	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	3.17	
		For Electrostatic Painting, Add	*0.49*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.63*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.54	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0196	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.62	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	2.93	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.95*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.59*	
09 91 23 00-0198	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0199	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.34	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0200	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.51	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0201	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0202	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0203	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.93	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0204	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.26	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.77	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	3.21	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.64*	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.34	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.51	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	2.12	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	

09 91 23 00-0215 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0216 Paint Interior Concrete Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0217	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0218	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0219	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.12	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0220	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0221	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0222	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.16*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0223	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0224	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0225	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0226	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.99	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0227	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.97	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0228	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.84	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0229	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.59	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0230	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	7.08	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.45*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 20,000, Deduct	*-1.06*	
		For >20,000, Deduct	*-1.42*	
09 91 23 00-0231	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.17	
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0232 Paint Interior Wood Floors And Decks *(09 91 23 00-0215)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0233	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0234	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.31	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0235	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	2.45	
		For Oil Based Paint, Add	*0.14*	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0236	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0237	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0238	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	2.05	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0239	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0240	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0241	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.53	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0242	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.59	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0243	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	7.08	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.45*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 20,000, Deduct	*-1.06*	
		For >20,000, Deduct	*-1.42*	
09 91 23 00-0244	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.21	
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0245 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0246 Paint Interior Door Frames *(09 91 23 00-0245)*

09 91 23 00-0247	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.47	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.39*	
09 91 23 00-0248	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.93	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.50*	
09 91 23 00-0249	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	3.26	
		For Oil Based Paint, Add	*0.17*	
		For Painting One Face Of Frame Only, Deduct	*-0.85*	
09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.52	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.41*	
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.98	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.52*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	3.34	
		For Oil Based Paint, Add	*0.18*	
		For Painting One Face Of Frame Only, Deduct	*-0.88*	

09 91 23 00-0253 Paint Interior Metal Doors *(09 91 23 00-0245)*

09 91 23 00-0254	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	70.81	
		For Electrostatic Painting, Add	*10.88*	
		For Half Louvered Door, Add	*6.82*	
		For Full Louvered Door, Add	*11.37*	
		For Oil Based Paint, Add	*4.81*	
		For >5 To 10, Deduct	*-3.54*	
		For >10 To 25, Deduct	*-7.08*	
		For >25, Deduct	*-10.62*	
09 91 23 00-0255	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	70.81	
		For Electrostatic Painting, Add	*10.88*	
		For Half Louvered Door, Add	*6.82*	
		For Full Louvered Door, Add	*11.37*	
		For Oil Based Paint, Add	*4.81*	
		For >5 To 10, Deduct	*-3.54*	
		For >10 To 25, Deduct	*-7.08*	
		For >25, Deduct	*-10.62*	
09 91 23 00-0256	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	127.16	
		For Electrostatic Painting, Add	*20.27*	
		For Half Louvered Door, Add	*11.52*	
		For Full Louvered Door, Add	*19.20*	
		For Oil Based Paint, Add	*8.88*	
		For >5 To 10, Deduct	*-6.36*	
		For >10 To 25, Deduct	*-12.72*	
		For >25, Deduct	*-19.07*	
09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	127.05	
		For Electrostatic Painting, Add	*19.54*	
		For Half Louvered Door, Add	*12.23*	
		For Full Louvered Door, Add	*20.38*	
		For Oil Based Paint, Add	*8.63*	
		For >5 To 10, Deduct	*-6.35*	
		For >10 To 25, Deduct	*-12.71*	
		For >25, Deduct	*-19.06*	
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	127.07	
		For Electrostatic Painting, Add	*19.54*	
		For Half Louvered Door, Add	*12.23*	
		For Full Louvered Door, Add	*20.38*	
		For Oil Based Paint, Add	*8.63*	
		For >5 To 10, Deduct	*-6.35*	
		For >10 To 25, Deduct	*-12.71*	
		For >25, Deduct	*-19.06*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	229.03	
		For Electrostatic Painting, Add	*36.57*	
		For Half Louvered Door, Add	*20.69*	
		For Full Louvered Door, Add	*34.48*	
		For Oil Based Paint, Add	*16.01*	
		For >5 To 10, Deduct	*-11.45*	
		For >10 To 25, Deduct	*-22.90*	
		For >25, Deduct	*-34.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0260	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	65.56	
		For Electrostatic Painting, Add	*10.74*	
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For Oil Based Paint, Add	*4.67*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.56*	
		For >25, Deduct	*-9.83*	
09 91 23 00-0261	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	65.55	
		For Electrostatic Painting, Add	*10.74*	
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For Oil Based Paint, Add	*4.67*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.56*	
		For >25, Deduct	*-9.83*	
09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	119.03	
		For Electrostatic Painting, Add	*20.21*	
		For Half Louvered Door, Add	*9.54*	
		For Full Louvered Door, Add	*15.91*	
		For Oil Based Paint, Add	*8.72*	
		For >5 To 10, Deduct	*-5.95*	
		For >10 To 25, Deduct	*-11.90*	
		For >25, Deduct	*-17.85*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	117.65	
		For Electrostatic Painting, Add	*19.28*	
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For Oil Based Paint, Add	*8.39*	
		For >5 To 10, Deduct	*-5.88*	
		For >10 To 25, Deduct	*-11.77*	
		For >25, Deduct	*-17.65*	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	117.65	
		For Electrostatic Painting, Add	*19.28*	
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For Oil Based Paint, Add	*8.39*	
		For >5 To 10, Deduct	*-5.88*	
		For >10 To 25, Deduct	*-11.77*	
		For >25, Deduct	*-17.65*	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	214.53	
		For Electrostatic Painting, Add	*36.49*	
		For Half Louvered Door, Add	*17.15*	
		For Full Louvered Door, Add	*28.58*	
		For Oil Based Paint, Add	*15.74*	
		For >5 To 10, Deduct	*-10.73*	
		For >10 To 25, Deduct	*-21.45*	
		For >25, Deduct	*-32.18*	

09 91 23 00-0266 Paint Interior Wood Doors *(09 91 23 00-0245)*

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	61.93	
		For Oil Based Paint, Add	*3.92*	
		For Half Louvered Door, Add	*6.82*	
		For Full Louvered Door, Add	*11.37*	
		For >5 To 10, Deduct	*-3.10*	
		For >10 To 25, Deduct	*-6.19*	
		For >25, Deduct	*-9.29*	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	61.93	
		For Oil Based Paint, Add	*3.92*	
		For Half Louvered Door, Add	*6.82*	
		For Full Louvered Door, Add	*11.37*	
		For >5 To 10, Deduct	*-3.10*	
		For >10 To 25, Deduct	*-6.19*	
		For >25, Deduct	*-9.29*	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	109.52	
		For Oil Based Paint, Add	*7.11*	
		For Half Louvered Door, Add	*11.52*	
		For Full Louvered Door, Add	*19.20*	
		For >5 To 10, Deduct	*-5.48*	
		For >10 To 25, Deduct	*-10.95*	
		For >25, Deduct	*-16.43*	
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	111.11	
		For Oil Based Paint, Add	*7.04*	
		For Half Louvered Door, Add	*12.23*	
		For Full Louvered Door, Add	*20.38*	
		For >5 To 10, Deduct	*-5.56*	
		For >10 To 25, Deduct	*-11.11*	
		For >25, Deduct	*-16.67*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	111.11	
		For Oil Based Paint, Add	*7.04*	
		For Half Louvered Door, Add	*12.23*	
		For Full Louvered Door, Add	*20.38*	
		For >5 To 10, Deduct	*-5.56*	
		For >10 To 25, Deduct	*-11.11*	
		For >25, Deduct	*-16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	197.11	
		For Oil Based Paint, Add	*12.82*	
		For Half Louvered Door, Add	*20.69*	
		For Full Louvered Door, Add	*34.48*	
		For >5 To 10, Deduct	*-9.86*	
		For >10 To 25, Deduct	*-19.71*	
		For >25, Deduct	*-29.57*	
09 91 23 00-0273	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	55.78	
		For Oil Based Paint, Add	*3.69*	
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For >5 To 10, Deduct	*-2.79*	
		For >10 To 25, Deduct	*-5.58*	
		For >25, Deduct	*-8.37*	
09 91 23 00-0274	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	55.78	
		For Oil Based Paint, Add	*3.69*	
		For Half Louvered Door, Add	*5.65*	
		For Full Louvered Door, Add	*9.42*	
		For >5 To 10, Deduct	*-2.79*	
		For >10 To 25, Deduct	*-5.58*	
		For >25, Deduct	*-8.37*	
09 91 23 00-0275	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	99.65	
		For Oil Based Paint, Add	*6.78*	
		For Half Louvered Door, Add	*9.55*	
		For Full Louvered Door, Add	*15.91*	
		For >5 To 10, Deduct	*-4.98*	
		For >10 To 25, Deduct	*-9.97*	
		For >25, Deduct	*-14.95*	
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	100.09	
		For Oil Based Paint, Add	*6.63*	
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For >5 To 10, Deduct	*-5.00*	
		For >10 To 25, Deduct	*-10.01*	
		For >25, Deduct	*-15.01*	
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	100.09	
		For Oil Based Paint, Add	*6.63*	
		For Half Louvered Door, Add	*10.13*	
		For Full Louvered Door, Add	*16.89*	
		For >5 To 10, Deduct	*-5.00*	
		For >10 To 25, Deduct	*-10.01*	
		For >25, Deduct	*-15.01*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	179.41	
		For Oil Based Paint, Add	*12.23*	
		For Half Louvered Door, Add	*17.15*	
		For Full Louvered Door, Add	*28.58*	
		For >5 To 10, Deduct	*-8.97*	
		For >10 To 25, Deduct	*-17.94*	
		For >25, Deduct	*-26.91*	

09 91 23 00-0279 Paint Interior Metal Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	118.74	
		For Oil Based Paint, Add	*6.78*	
		For Electrostatic Painting, Add	*14.40*	
		For >5 To 10, Deduct	*-5.94*	
		For >10 To 25, Deduct	*-11.87*	
		For >25, Deduct	*-17.81*	
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	143.59	
		For Oil Based Paint, Add	*8.48*	
		For Electrostatic Painting, Add	*18.26*	
		For >5 To 10, Deduct	*-7.18*	
		For >10 To 25, Deduct	*-14.36*	
		For >25, Deduct	*-21.54*	
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	193.73	
		For Oil Based Paint, Add	*11.53*	
		For Electrostatic Painting, Add	*24.92*	
		For >5 To 10, Deduct	*-9.69*	
		For >10 To 25, Deduct	*-19.37*	
		For >25, Deduct	*-29.06*	
09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	218.16	
		For Oil Based Paint, Add	*13.00*	
		For Electrostatic Painting, Add	*28.08*	
		For >5 To 10, Deduct	*-10.91*	
		For >10 To 25, Deduct	*-21.82*	
		For >25, Deduct	*-32.72*	
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	241.92	
		For Oil Based Paint, Add	*14.39*	
		For Electrostatic Painting, Add	*31.08*	
		For >5 To 10, Deduct	*-12.10*	
		For >10 To 25, Deduct	*-24.19*	
		For >25, Deduct	*-36.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	7.68	
		For Oil Based Paint, Add	*0.46*	
		For Electrostatic Painting, Add	*0.99*	

09 91 23 00-0286 Paint Interior Wood Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over primer.

09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	112.85	
		For Oil Based Paint, Add	*6.19*	
		For >5 To 10, Deduct	*-5.64*	
		For >10 To 25, Deduct	*-11.29*	
		For >25, Deduct	*-16.93*	
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	134.48	
		For Oil Based Paint, Add	*7.57*	
		For >5 To 10, Deduct	*-6.72*	
		For >10 To 25, Deduct	*-13.45*	
		For >25, Deduct	*-20.17*	
09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	235.18	
		For Oil Based Paint, Add	*12.96*	
		For >5 To 10, Deduct	*-11.76*	
		For >10 To 25, Deduct	*-23.52*	
		For >25, Deduct	*-35.28*	
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	264.75	
		For Oil Based Paint, Add	*14.59*	
		For >5 To 10, Deduct	*-13.24*	
		For >10 To 25, Deduct	*-26.48*	
		For >25, Deduct	*-39.71*	
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	225.83	
		For Oil Based Paint, Add	*12.78*	
		For >5 To 10, Deduct	*-11.29*	
		For >10 To 25, Deduct	*-22.58*	
		For >25, Deduct	*-33.87*	
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	7.56	
		For Oil Based Paint, Add	*0.43*	

09 91 23 00-0293 Paint Interior Security Screens *(09 91 23 00-0245)*

09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	2.28	
		For Oil Based Paint, Add	*0.13*	
		For Electrostatic Painting, Add	*0.29*	
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	2.36	
		For Oil Based Paint, Add	*0.13*	
		For Electrostatic Painting, Add	*0.28*	
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	3.90	
		For Oil Based Paint, Add	*0.22*	
		For Electrostatic Painting, Add	*0.46*	

09 91 23 00-0297 Paint Interior Window Guards *(09 91 23 00-0245)*

09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	2.28	
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.36	
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	3.90	
		For Oil Based Paint, Add	*0.22*	

09 91 23 00-0301 Paint Interior Window Trim *(09 91 23 00-0245)*

09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	2.15	
		For Oil Based Paint, Add	*0.12*	
		For Painting One Face Of Frame Only, Deduct	*-0.58*	
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	2.15	
		For Oil Based Paint, Add	*0.12*	
		For Painting One Face Of Frame Only, Deduct	*-0.58*	
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	4.73	
		For Oil Based Paint, Add	*0.27*	
		For Painting One Face Of Frame Only, Deduct	*-1.28*	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	2.40	
		For Painting One Face Of Frame Only, Deduct	*-0.68*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	2.40	
		For Painting One Face Of Frame Only, Deduct	*-0.68*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	5.22	
		For Painting One Face Of Frame Only, Deduct	*-1.47*	

09 91 23 00-0308 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0309 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0308)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.66	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	2.27	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	3.60	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.54*	

09 91 23 00-0313 Paint Exposed Metal Lockers And Cabinets *(09 91 23 00-0308)*

09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	2.11	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	2.17	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	4.00	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.60*	

09 91 23 00-0317 Paint Interior Stairs *(09 91 23)*

09 91 23 00-0318 Paint Interior Concrete Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	29.76	
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	29.76	
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair Note: Excludes riser.	21.55	
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair Note: Excludes riser.	39.51	
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	59.51	

09 91 23 00-0324 Paint Interior Metal Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	16.12	
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	15.49	
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	31.00	

09 91 23 00-0328 Paint Interior Wood Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	15.17	
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	15.17	
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair Note: Excludes riser.	14.25	
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair Note: Excludes riser.	32.21	
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	30.34	

09 91 23 00-0334 Paint Interior Stair Nosing *(09 91 23 00-0317)*

09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	2.03	

09 91 23 00-0336 Paint Interior Trim *(09 91 23)*

09 91 23 00-0337 Paint Interior Metal Trim *(09 91 23 00-0336)*

09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.95	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.26*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.43*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.68*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.94*	
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	2.13	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.28*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.47*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.76*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	3.85	
		For Work >15' To 20' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.85*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.61	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.76	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	3.18	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.49*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0344 Paint Interior Wood Trim *(09 91 23 00-0336)*

09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	1.01	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.13	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	2.36	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0348	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	3.11	
		For Work >15' To 20' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.54*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.17*	
09 91 23 00-0349	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	3.45	
		For Work >15' To 20' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.71*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0350	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	6.24	
		For Work >15' To 20' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*2.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*3.05*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.35*	
09 91 23 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.54	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.14*	
09 91 23 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.83	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.36*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.16*	
09 91 23 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	5.09	
		For Work >15' To 20' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.41*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.29*	

09 91 23 00-0354 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0355 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0354)*

09 91 23 00-0356	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.07	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0357	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.58	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0358	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	2.28	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.61	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.61	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	2.59	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0362	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.26	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 23 00-0363 Stencil Painting Letters/Numbers *(09 91 23)*
Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0364	EA	Up To 1" High, Stencil Painting, Per Letter/Number	2.56	
		For >200 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.51*	
09 91 23 00-0365	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.98	
		For >200 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000, Deduct	*-0.60*	
09 91 23 00-0366	EA	2" To 3" High, Stencil Painting, Per Letter/Number	5.03	
		For >200 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-0.80*	
		For >2,000, Deduct	*-1.01*	
09 91 23 00-0367	EA	3" To 4" High, Stencil Painting, Per Letter/Number	6.18	
		For >200 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,000, Deduct	*-0.99*	
		For >2,000, Deduct	*-1.24*	
09 91 23 00-0368	EA	4" To 6" High, Stencil Painting, Per Letter/Number	8.52	
		For >200 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000, Deduct	*-1.70*	
09 91 23 00-0369	EA	6" To 12" High, Stencil Painting, Per Letter/Number	11.30	
		For >200 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,000, Deduct	*-1.81*	
		For >2,000, Deduct	*-2.26*	
09 91 23 00-0370	EA	Over 12" High, Stencil Painting, Per Letter/Number	13.34	
		For >200 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000 To 2,000, Deduct	*-2.13*	
		For >2,000, Deduct	*-2.67*	

09 91 23 00-0371 Logo Painting *(09 91 23)*

09 91 23 00-0372	SF	Simple Design, Paint Logo	49.23	
09 91 23 00-0373	SF	Complex Design, Paint Logo	57.84	

09 91 23 00-0374 Paint Additives *(09 91 23)*

09 91 23 00-0375	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0376	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	

09 91 23 00-0377 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0378	EA	Up To 1" High, Hand Paint, Per Letter/Number	3.16	
09 91 23 00-0379	EA	1" To 2" High, Hand Paint, Per Letter/Number	3.68	
09 91 23 00-0380	EA	2" To 3" High, Hand Paint, Per Letter/Number	5.59	
09 91 23 00-0381	EA	3" To 4" High, Hand Paint, Per Letter/Number	6.83	
09 91 23 00-0382	EA	4" To 6" High, Hand Paint, Per Letter/Number	9.43	
09 91 23 00-0383	EA	6" To 12" High, Hand Paint, Per Letter/Number	11.95	
09 91 23 00-0384	EA	Over 12" High, Hand Paint, Per Letter/Number	14.03	

09 91 23 00-0385 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0386 Conduit/Pipe *(09 91 23 00-0385)*

09 91 23 00-0387	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	59.72	
		For Work >15' To 20' Above Floor, Add	*8.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*31.04*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0388	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	94.22	
		For Work >15' To 20' Above Floor, Add	*10.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*16.93*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*27.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*37.25*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0389	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	73.53	
		For Work >15' To 20' Above Floor, Add	*7.45*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*27.32*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0390	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	59.59	
		For Work >15' To 20' Above Floor, Add	*5.59*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.49*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0391	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	110.32	
		For Work >15' To 20' Above Floor, Add	*8.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*31.04*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0392	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	101.32	
		For Work >15' To 20' Above Floor, Add	*7.45*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*27.32*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0393 Ductwork *(09 91 23 00-0385)*

09 91 23 00-0394	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	59.72	
		For Work >15' To 20' Above Floor, Add	*8.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*31.04*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0395	CSF	Metal Primer Ductwork With Glove/Mitt	89.36	
		For Work >15' To 20' Above Floor, Add	*8.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*31.04*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0396	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	66.81	
		For Work >15' To 20' Above Floor, Add	*6.77*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*18.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*24.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0397	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	106.45	
		For Work >15' To 20' Above Floor, Add	*8.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*31.04*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0398	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	92.03	
		For Work >15' To 20' Above Floor, Add	*6.77*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*18.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*24.83*	
		Note: Applied only to work area above 40'.		

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	62.70
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	39.95
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	50.66
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	143.49
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack	41.78
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	64.41
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	51.70
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	39.95
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	36.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	63.97	
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	53.27	
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	53.27	
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	60.06	
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	39.17	
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	107.32	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	41.78	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	33.42	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	86.43	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	53.89	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	60.81	

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	29.24	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	145.01	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	15.67	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	90.61	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	47.52	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	20.81	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	31.56	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	86.07	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	84.97	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	69.36	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	63.58	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	60.34	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	71.10	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	63.12	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	89.85	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	363.46	
09 91 33 00-0039	GAL	High Heat Paint	151.93	
09 91 33 00-0040	GAL	Heat Resistant Paint	101.29	
09 91 33 00-0041	GAL	Zinc Chromate Paint	91.64	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	36.17	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	101.29	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	63.12	
09 91 33 00-0045	GAL	Alkyd Latex, Black	75.16	
09 91 33 00-0046	GAL	Alkyd Latex, White	68.33	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	82.40	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	92.45	
09 91 33 00-0049	GAL	Vinyl Paint	79.90	
09 91 33 00-0050	GAL	Silicone Alkyd	97.13	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	98.70	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	123.77	
09 91 33 00-0053	GAL	Chlorinated Rubber	90.87	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	94.00	
09 91 33 00-0055	GAL	Coal Tar Epoxy	67.37	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	84.08	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	109.67	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	75.20	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	47.78	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	58.88	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	97.92	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	33.16	
09 91 33 00-0063	GAL	Linseed Oil	28.98	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	47.52	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	53.53	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	48.96	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	39.34	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	27.16	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	50.66	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	45.17	
09 91 33 00-0072	GAL	Varnish, Clear	47.42	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.44	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	30.78	
09 91 33 00-0075	GAL	Polyurethane	54.04	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	47.66	
09 91 33 00-0077	GAL	Shellac, Clear	62.53	
09 91 33 00-0078	GAL	Acetone	20.63	
09 91 33 00-0079	GAL	Paint Thinner	5.09	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	20.89	
09 91 33 00-0081	GAL	Turpentine	28.72	
09 91 33 00-0082	GAL	Wood Filler Paste	49.09	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	39.17	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	106.51	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 92 Factory Finish *(09 90)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 92 00 00-0001 Factory Finished Doors *(09 92)*

09 92 00 00-0002	EA	Factory Finish Steel Door, One Face, Prime And 2 Coats Paint	128.45
09 92 00 00-0003	EA	Factory Finish Steel Door, Both Faces, Prime And 2 Coats Paint	229.34
09 92 00 00-0004	EA	Factory Finish Wood/Fiberglass Door, One Face, Prime And 2 Coats Paint	99.26
09 92 00 00-0005	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Prime And 2 Coats Paint	176.68
09 92 00 00-0006	EA	Factory Finish Wood/Fiberglass Door, One Face, Two Coats Stain And One Coat Polyurethane	77.02
09 92 00 00-0007	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Two Coats Stain And One Coat Polyurethane	142.74
09 92 00 00-0008	EA	Factory Finish Wood Door, One Face, One Coat Shellac, Varnish Or Polyurethane	27.29
09 92 00 00-0009	EA	Factory Finish Wood Door, Both Faces, One Coat Shellac, Varnish Or Polyurethane	48.95

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	1.22
		For Ceiling Work, Add	*0.17*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 20,000, Deduct	*-0.07*
		For >20,000, Deduct	*-0.10*
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.97
		For Ceiling Work, Add	*0.13*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 20,000, Deduct	*-0.05*
		For >20,000, Deduct	*-0.08*
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.37
		For Ceiling Work, Add	*0.04*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 20,000, Deduct	*-0.02*
		For >20,000, Deduct	*-0.04*

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.50
		For Up To 100, Add	*1.07*
		For >100 To 250, Add	*0.50*
		For >250 To 500, Add	*0.22*
		For >4,000, Deduct	*-0.08*
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	2.23
		For Up To 100, Add	*1.58*
		For >100 To 250, Add	*0.74*
		For >250 To 500, Add	*0.32*
		For >4,000, Deduct	*-0.11*

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.70
		For Up To 100, Add	*0.43*
		For >100 To 250, Add	*0.21*
		For >250 To 500, Add	*0.09*
		For >4,000, Deduct	*-0.04*
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.54
		For Up To 100, Add	*0.31*
		For >100 To 250, Add	*0.15*
		For >250 To 500, Add	*0.07*
		For >4,000, Deduct	*-0.03*

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	72.40
		For Up To 4, Add	*52.85*
		For >4 To 10, Add	*24.74*
		For >10 To 20, Add	*10.62*
		For >160, Deduct	*-3.62*
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	51.51
		For Up To 4, Add	*36.51*
		For >4 To 10, Add	*17.14*
		For >10 To 20, Add	*7.37*
		For >160, Deduct	*-2.58*

09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.81

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	1.06	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >4,000, Deduct	*-0.05*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.82	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >4,000, Deduct	*-0.09*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	1.21	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >4,000, Deduct	*-0.06*	

09 93 23 53-0006 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	3.97	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	
		For >4,000, Deduct	*-0.20*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.91	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	4.50	
		For Up To 100, Add	*3.17*	
		For >100 To 250, Add	*1.49*	
		For >250 To 500, Add	*0.64*	
		For >4,000, Deduct	*-0.23*	

09 93 23 53-0010 Wood Door And Window Finishes *(09 93 23 53)*

See CSI section 08 14 16 00-0659 for factory finish.

09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	52.29	
		For Up To 4, Add	*38.08*	
		For >4 To 10, Add	*17.83*	
		For >10 To 20, Add	*7.65*	
		For >160, Deduct	*-2.61*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	158.51	
		For Up To 4, Add	*113.64*	
		For >4 To 10, Add	*53.29*	
		For >10 To 20, Add	*22.90*	
		For >160, Deduct	*-7.93*	

09 93 23 53-0013 Cabinet Finishes *(09 93 23 53)*

09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.82	

09 93 23 53-0015 Gym, Stage And Dance Floor Finishes *(09 93 23 53)*

09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.12	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.91	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.02	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.13	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.91	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.02	
		For Stage Or Dance Floors, Deduct	*-0.10*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.13	
			For Stage Or Dance Floors, Deduct	*-0.10*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

	09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.82	
			For Up To 100, Add	*1.12*	
			For >100 To 250, Add	*0.53*	
			For >250 To 500, Add	*0.23*	
	09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.93	
			For Up To 100, Add	*1.14*	
			For >100 To 250, Add	*0.55*	
			For >250 To 500, Add	*0.24*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric Painting *(09 96 53)*

Note: Per coat.

	09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	1.11	
			For Work >15' To 20' Above Floor, Add	*0.14*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*0.23*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*0.37*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*0.51*	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	*0.72*	
			For >100 To 250, Add	*0.34*	
			For >250 To 500, Add	*0.15*	
			For >2,500 To 5,000, Deduct	*-0.06*	
			For >5,000 To 10,000, Deduct	*-0.11*	
			For >10,000 To 20,000, Deduct	*-0.17*	
			For >20,000, Deduct	*-0.22*	
	09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.95	
			For Work >15' To 20' Above Floor, Add	*0.12*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*0.19*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*0.31*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*0.42*	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	*0.60*	
			For >100 To 250, Add	*0.29*	
			For >250 To 500, Add	*0.12*	
			For >2,500 To 5,000, Deduct	*-0.05*	
			For >5,000 To 10,000, Deduct	*-0.10*	
			For >10,000 To 20,000, Deduct	*-0.14*	
			For >20,000, Deduct	*-0.19*	
	09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.88	
			For Work >15' To 20' Above Floor, Add	*0.10*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*0.16*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*0.26*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*0.35*	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	*0.52*	
			For >100 To 250, Add	*0.25*	
			For >250 To 500, Add	*0.11*	
			For >2,500 To 5,000, Deduct	*-0.04*	
			For >5,000 To 10,000, Deduct	*-0.09*	
			For >10,000 To 20,000, Deduct	*-0.13*	
			For >20,000, Deduct	*-0.18*	
	09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.26	
			For Work >15' To 20' Above Floor, Add	*0.16*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*0.27*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*0.43*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*0.59*	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	*0.99*	
			For >100 To 250, Add	*0.50*	
			For >250 To 500, Add	*0.22*	
			For >2,500 To 5,000, Deduct	*-0.11*	
			For >5,000 To 10,000, Deduct	*-0.23*	
			For >10,000 To 20,000, Deduct	*-0.34*	
			For >20,000, Deduct	*-0.45*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	2.09	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.35	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	1.26	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	1.08	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.99	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.43	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.49*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.23	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.47	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.91

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	7.62

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	5.64
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	10.12
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	15.12

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	4.61

09 97 Special Coatings *(09 90)*

09 97 26 Cementitious Coatings *(09 97)*

09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001 Ceramic-Like Glazed Coating *(09 97 26 13)*

09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*

09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	3.34

09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*

09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.84

09 97 35 Dry Erase Coatings *(09 97)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	13.77	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	7.52	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	14.69	
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	2.21	
09 97 63 00-0003		VanHearron Sealers And Cleaners *(09 97 63)*		
09 97 63 00-0004	SF	Vertical Or Horizontal Exterior Above Grade Tile And Stone Sealer (VanHearron Top Tile)	0.59	
09 97 63 00-0005	SF	Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Water Repellent (VanHearron Solo Seal)	0.55	
09 97 63 00-0006	SF	Chemical Hardener, Densifier, Soluble Chloride Reducer For Cementitious Materials (VanHearron Deep Seal)	0.52	
09 97 63 00-0007	SF	Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Grout Sealer/Densifier And Stain Inhibitor (VanHearron Top Grout)	0.50	
09 97 63 00-0008	SF	Self Sealing Mix For Grout And Mortar - Material Only (VanHearron Grout Once!)	0.39	
09 97 63 00-0009	SF	Water, Oil And Graffiti Resistant Treatment For Concrete, Porous Tile, Cast Stone, Paving, Sandstone, Limestone, Brick, Grout And Some Natural Stones (VanHearron Stain Guard 5000)	1.80	
09 97 63 00-0010	SF	Stone Enhancer And Sealant (VanHearron Inhance)	1.62	
09 97 63 00-0011	SF	Low Effort Cleaner/Degreaser (VanHearron Mighty Indigo)	0.52	
09 97 63 00-0012	SF	Safe Restoration Cleaner (VanHearron Efflorescence Remover)	0.71	
09 97 63 00-0013	SF	Cleaner (VanHearron Mold And Mildew Remover)	0.52	
09 97 63 00-0014	SF	Wood Restore (VanHearron Grey No More)	0.52	
09 97 63 00-0015	SF	Safe Masonry Detergent (VanHearron Brick Wash)	0.71	

END OF SECTION 09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*
Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.49
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	20.54
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.36
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.18
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	27.94

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.30
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.00
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	38.15
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	60.22

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.07
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	157.30
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	220.21
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	90.67

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	404.88
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	318.81
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	274.34
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	232.45
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	133.93
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	63.18
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	12.64

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	55.40	12.00
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	34.61	5.65
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.91	4.87
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.48	3.18
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	20.12	1.76

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	58.31	12.00
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	37.45	5.65
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.53	4.87
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.65	3.18
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.23	1.76

10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.

10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	53.60	12.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	32.77	5.65
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	28.16	4.87
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	23.01	3.18
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	18.48	1.76
10 11 13 13-0020		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0021		Chalkboard Face Sheets And Panels *(10 11 13 13-0020)*		
10 11 13 13-0022	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite) Note: Includes porcelain enamel steel chalkboard skin.	18.96	5.65
10 11 13 13-0023	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.	22.20	5.65
10 11 13 13-0024		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0020)*		
10 11 13 13-0025	LF	Chalk And Marker Tray, Field Applied	27.60	7.76
10 11 13 13-0026	PR	Chalk And Marker Tray End Closures, Field Applied	36.16	14.12
10 11 13 13-0027	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	20.45	7.76
10 11 13 13-0028	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	20.06	7.76
10 11 13 13-0029	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	21.16	7.76
10 11 13 13-0030	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	23.25	7.76
10 11 13 13-0031	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	21.16	7.76
10 11 13 13-0032		Removal And Reinstallation Of Chalkboards *(10 11 13 13)* Note: Includes storage and cleaning.		
10 11 13 13-0033	SF	Removal And Reinstallation Of Chalkboard	14.64	
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,385.73	141.15
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,671.57	141.15
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,022.04	150.33
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,354.15	150.33
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,169.30	161.62
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,434.21	161.62
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,004.89	169.38
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,662.50	169.38
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,238.36	141.15
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,830.44	141.15
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,379.20	150.33
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,922.81	150.33
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,607.97	161.62
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,847.55	161.62
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,848.96	169.38
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,648.67	169.38
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,601.89	141.15
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,086.01	141.15
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,613.84	150.33
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,169.57	150.33
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,251.30	161.62
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,506.30	161.62
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,674.05	169.38
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,559.20	169.38
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,840.11	141.15
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,128.16	141.15
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,419.14	150.33
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,919.22	150.33
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,292.06	161.62
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,753.58	161.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,137.70	141.15
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,584.90	141.15
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,037.24	150.33
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,860.04	150.33
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,377.15	161.62
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,123.94	161.62
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,628.06	141.15
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,237.73	141.15
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,852.53	150.33
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,996.95	150.33
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,671.54	161.62
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,723.43	161.62
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,051.71	282.31
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,306.84	282.31
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,595.04	291.14
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,062.33	291.14
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,582.52	299.96
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,033.29	299.96
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,021.67	317.60
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,146.37	317.60
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,170.14	282.31
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,507.44	282.31
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,887.74	291.14
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,574.47	291.14
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,261.22	299.96
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,913.80	299.96
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,246.10	317.60
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,443.72	317.60
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,373.14	282.31
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,224.45	282.31
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,679.21	291.14
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,572.16	291.14
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,514.70	299.96
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,417.56	299.96
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,206.14	317.60
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,553.80	317.60
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	673.97	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,148.76	
10 11 16		**Markerboards** *(10 11)*		
10 11 16 13		**Fixed Markerboards** *(10 11 16)* Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001		Porcelain Enamel Steel Markerboards *(10 11 16 13)*		
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	55.58	12.00
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	35.25	5.65
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.91	4.87
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.71	3.18
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.86	1.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	58.35	12.00
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	36.08	5.65
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	31.15	4.87
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.27	3.18
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.42	1.76
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	53.58	12.00
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	32.78	5.65
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	29.50	4.87
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	23.15	3.18
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	18.17	1.76
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)* Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	45.11	12.00
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	26.95	5.65
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	23.37	4.87
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	17.37	3.18
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	13.76	1.76
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)* Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	44.17	12.00
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	26.51	5.65
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	22.75	4.87
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	16.26	3.18
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.76	1.76
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	60.67	12.00
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	39.19	5.65
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.81	4.87
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.47	3.18
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	25.09	1.76
		For Magnetic Surface, Add	*2.16*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	60.67	12.00
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	39.19	5.65
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.81	4.87
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.47	3.18
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	25.09	1.76
		For Magnetic Surface, Add	*2.16*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	106.12	12.00
		For Magnetic Surface, Add	*8.21*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	66.50	5.65
		For Magnetic Surface, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	56.23	4.87
		For Magnetic Surface, Add	*4.65*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	47.21	3.18
		For Magnetic Surface, Add	*4.09*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	36.42	1.76
		For Magnetic Surface, Add	*3.29*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	27.08	4.87
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	22.79	3.18
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	18.85	1.76
10 11 16 13-0056		Removal And Reinstallation Of Markerboard *(10 11 16 13)*		
		Note: Includes storage and cleaning.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	84.69	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	98.81	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	112.92	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	127.04	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	141.15	
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	18.70	5.65
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	21.61	5.65
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	21.54	5.65
		Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032)	13.43	5.65
		Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*		
		See CSI section 10 11 13 13-0024 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,357.71	141.15
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,634.20	141.15
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,975.33	150.33
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,298.10	150.33
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,103.91	161.62
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,359.48	161.62
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,911.48	169.38
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,550.40	169.38
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,210.34	141.15
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,793.08	141.15
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,332.49	150.33
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,866.76	150.33
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,542.58	161.62
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,772.82	161.62
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,755.54	169.38
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,536.57	169.38
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,573.86	141.15
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,048.65	141.15
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,567.13	150.33
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,113.52	150.33
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,185.91	161.62
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,431.57	161.62
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,580.63	169.38
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,475.12	169.38

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,802.75	141.15
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,081.45	141.15
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,363.09	150.33
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,844.49	150.33
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,198.64	161.62
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,641.48	161.62
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,062.97	141.15
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,491.49	141.15
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,925.14	150.33
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,710.58	150.33
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,190.32	161.62
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,899.74	161.62
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,515.96	141.15
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,097.60	141.15
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,684.38	150.33
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,772.75	150.33
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,391.30	161.62
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,387.13	161.62
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)* Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,005.00	282.31
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,248.45	282.31
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,524.98	291.14
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,968.92	291.14
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,465.75	299.96
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,893.17	299.96
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,858.20	317.60
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,959.55	317.60
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,076.72	282.31
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,390.68	282.31
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,747.62	291.14
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,387.64	291.14
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,027.68	299.96
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,633.55	299.96
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,919.15	317.60
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,070.06	317.60
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,233.02	282.31
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,049.30	282.31
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,469.03	291.14
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,291.92	291.14
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,164.39	299.96
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,997.19	299.96
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,715.71	317.60
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,993.31	317.60
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)* See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		

10 11 23 Tackboards *(10 11)*

10 11 23 13 Fixed Tackboards *(10 11 23)*

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0001		**Fixed Tackboards** *(10 11 23 13)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		**Cork Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		**5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	38.78	12.00
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.57	5.65
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.69	4.87
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.61	3.18
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.59	1.76
10 11 23 13-0009		**1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)** *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	40.52	12.00
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	22.38	5.65
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.28	4.87
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.97	3.18
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.58	1.76
10 11 23 13-0015		**1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	40.71	12.00
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	24.08	5.65
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	22.13	4.87
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.77	3.18
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.93	1.76
10 11 23 13-0021		**Burlap Backed Cork Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		**5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	43.83	12.00
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.63	5.65
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	25.09	4.87
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.04	3.18
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.13	1.76
10 11 23 13-0028		**1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	48.05	12.00
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	32.14	5.65
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.64	4.87
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.34	3.18
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.54	1.76
10 11 23 13-0034		**Polyester Fabric Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		**5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	39.97	12.00
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	23.04	5.65
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	20.34	4.87
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	16.31	3.18
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	13.10	1.76
10 11 23 13-0041		**1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	42.36	12.00
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	26.14	5.65
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	24.06	4.87
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.88	3.18
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	15.13	1.76
10 11 23 13-0047		**Vinyl Fabric Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		**5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	38.78	12.00
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	21.66	5.65
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.83	4.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.61	3.18
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.38	1.76
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	40.71	12.00
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	24.93	5.65
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	22.13	4.87
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.77	3.18
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.93	1.76

10 13 Directories *(10 10)*

10 13 11 Directory and Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	61.09	12.00
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	39.11	5.65
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	35.44	4.87
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	26.87	3.18
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	21.16	1.76
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	61.64	12.00
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	39.47	5.65
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	36.18	4.87
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	25.67	3.18
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	21.71	1.76
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0015		Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*		
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	143.89	12.00
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	113.83	5.65
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	95.39	4.87
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.82	3.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.99	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0023		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*		
10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	124.43	12.00
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	98.45	4.87
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	70.47	3.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	63.02	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0028		Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	129.30	12.00
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.06*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	98.69	5.65
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.48*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	83.56	4.87
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.76*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	61.26	3.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.98*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	56.69	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.63*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	196.68	12.00
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*34.54*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	113.75	5.65
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.49*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	95.88	4.87
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.23*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	73.69	3.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.47*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	67.71	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.84*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	193.28	12.00
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	128.16	5.65
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	124.31	4.87
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	140.58	12.00
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	111.35	5.65
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.91	4.87
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	85.48	3.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.89	1.76
		For Fluorescent Lights, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0056		**Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)** *(10 13 11 00-0049)*		
10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	118.55	12.00
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.87	4.87
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	66.16	3.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.71	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0061		**Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets** *(10 13 11 00-0048)*		
10 13 11 00-0062		**Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)** *(10 13 11 00-0061)*		
10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	132.32	12.00
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.66*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	101.71	5.65
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.08*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	86.58	4.87
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.37*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	64.28	3.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.59*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.71	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.24*	
10 13 11 00-0068		**Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)** *(10 13 11 00-0061)*		
10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	199.70	12.00
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*35.14*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	116.77	5.65
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.10*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	98.90	4.87
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.83*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.71	3.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.07*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.73	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.44*	
10 13 11 00-0074		**Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets** *(10 13 11 00-0047)*		
		Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075		**Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets** *(10 13 11 00-0074)*		
10 13 11 00-0076		**Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets** *(10 13 11 00-0075)*		
10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	190.26	12.00
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	125.15	5.65
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	121.32	4.87
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 23 Panel Signage *(10 14)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11		**Panel Signage** *(10 14 23)*		
10 14 23 11-0001		Indoor/Outdoor Signs *(10 14 23 11)* Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002		Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0003		Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)* Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	53.98	15.80
		For >25 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-5.60*	
		For >100, Deduct	*-6.72*	
		For Clear Glass Mount, Add	*17.91*	
		For Glow-In-Dark, Add	*44.78*	
		For Reflective Finish, Add	*50.38*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	69.97	15.80
		For >25 To 50, Deduct	*-3.84*	
		For >50 To 100, Deduct	*-9.60*	
		For >100, Deduct	*-11.51*	
		For Clear Glass Mount, Add	*30.70*	
		For Glow-In-Dark, Add	*76.76*	
		For Reflective Finish, Add	*86.36*	
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	95.55	15.80
		For >25 To 50, Deduct	*-6.40*	
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-19.19*	
		For Clear Glass Mount, Add	*51.17*	
		For Glow-In-Dark, Add	*127.92*	
		For Reflective Finish, Add	*143.91*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	127.54	15.80
		For >25 To 50, Deduct	*-9.60*	
		For >50 To 100, Deduct	*-23.99*	
		For >100, Deduct	*-28.79*	
		For Clear Glass Mount, Add	*76.76*	
		For Glow-In-Dark, Add	*191.90*	
		For Reflective Finish, Add	*215.89*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	185.11	15.80
		For >25 To 50, Deduct	*-15.35*	
		For >50 To 100, Deduct	*-38.38*	
		For >100, Deduct	*-46.06*	
		For Clear Glass Mount, Add	*122.82*	
		For Glow-In-Dark, Add	*307.04*	
		For Reflective Finish, Add	*345.42*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	287.45	15.80
		For >25 To 50, Deduct	*-25.59*	
		For >50 To 100, Deduct	*-63.97*	
		For >100, Deduct	*-76.76*	
		For Clear Glass Mount, Add	*204.69*	
		For Glow-In-Dark, Add	*511.72*	
		For Reflective Finish, Add	*575.69*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	415.38	15.80
		For >25 To 50, Deduct	*-38.38*	
		For >50 To 100, Deduct	*-95.95*	
		For >100, Deduct	*-115.14*	
		For Clear Glass Mount, Add	*307.03*	
		For Glow-In-Dark, Add	*767.58*	
		For Reflective Finish, Add	*863.53*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.46	0.02
		For Clear Glass Mount, Add	*0.34*	
		For Glow-In-Dark, Add	*0.86*	
		For Reflective Finish, Add	*0.97*	
10 14 23 11-0012		Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)* Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	60.37	15.80
		For >25 To 50, Deduct	*-2.88*	
		For >50 To 100, Deduct	*-7.20*	
		For >100, Deduct	*-8.63*	
		For Glow-In-Dark, Add	*57.56*	
		For Reflective Finish, Add	*61.88*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	76.37	15.80
		For >25 To 50, Deduct	*-4.48*	
		For >50 To 100, Deduct	*-11.20*	
		For >100, Deduct	*-13.43*	
		For Glow-In-Dark, Add	*89.56*	
		For Reflective Finish, Add	*96.28*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	108.35	15.80
		For >25 To 50, Deduct	*-7.68*	
		For >50 To 100, Deduct	*-19.19*	
		For >100, Deduct	*-23.03*	
		For Glow-In-Dark, Add	*153.52*	
		For Reflective Finish, Add	*165.03*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	140.33	15.80
		For >25 To 50, Deduct	*-10.87*	
		For >50 To 100, Deduct	*-27.19*	
		For >100, Deduct	*-32.62*	
		For Glow-In-Dark, Add	*217.48*	
		For Reflective Finish, Add	*233.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	188.30	15.80
		For >25 To 50, Deduct	*-15.67*	
		For >50 To 100, Deduct	*-39.18*	
		For >100, Deduct	*-47.01*	
		For Glow-In-Dark, Add	*313.42*	
		For Reflective Finish, Add	*336.93*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	236.28	15.80
		For >25 To 50, Deduct	*-20.47*	
		For >50 To 100, Deduct	*-51.17*	
		For >100, Deduct	*-61.41*	
		For Glow-In-Dark, Add	*409.38*	
		For Reflective Finish, Add	*440.08*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	287.45	15.80
		For >25 To 50, Deduct	*-25.59*	
		For >50 To 100, Deduct	*-63.97*	
		For >100, Deduct	*-76.76*	
		For Glow-In-Dark, Add	*511.72*	
		For Reflective Finish, Add	*550.10*	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.31	0.02
		For Glow-In-Dark, Add	*0.56*	
		For Reflective Finish, Add	*0.60*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	108.35	15.80
		For >25 To 50, Deduct	*-7.68*	
		For >50 To 100, Deduct	*-19.19*	
		For >100, Deduct	*-23.03*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	127.54	15.80
		For >25 To 50, Deduct	*-9.60*	
		For >50 To 100, Deduct	*-23.99*	
		For >100, Deduct	*-28.79*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	159.52	15.80
		For >25 To 50, Deduct	*-12.79*	
		For >50 To 100, Deduct	*-31.98*	
		For >100, Deduct	*-38.38*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	189.58	15.80
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-39.50*	
		For >100, Deduct	*-47.40*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	2.11	0.16
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	74.25	15.80
		For >25 To 50, Deduct	*-4.27*	
		For >50 To 100, Deduct	*-10.67*	
		For >100, Deduct	*-12.80*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	87.71	15.80
		For >25 To 50, Deduct	*-5.61*	
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-16.84*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	105.67	15.80
		For >25 To 50, Deduct	*-7.41*	
		For >50 To 100, Deduct	*-18.52*	
		For >100, Deduct	*-22.22*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	141.59	15.80
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-27.50*	
		For >100, Deduct	*-33.00*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.41	0.16
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	40.57	15.80
		For >25 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-2.69*	
		For Glow-In-Dark, Add	*5.39*	
		For Reflective Finish, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	47.31	15.80
		For >25 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.93*	
		For >100, Deduct	*-4.72*	
		For Glow-In-Dark, Add	*9.43*	
		For Reflective Finish, Add	*11.79*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	60.77	15.80
		For >25 To 50, Deduct	*-2.92*	
		For >50 To 100, Deduct	*-7.30*	
		For >100, Deduct	*-8.75*	
		For Glow-In-Dark, Add	*17.51*	
		For Reflective Finish, Add	*21.89*	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	76.49	15.80
		For >25 To 50, Deduct	*-4.49*	
		For >50 To 100, Deduct	*-11.23*	
		For >100, Deduct	*-13.47*	
		For Glow-In-Dark, Add	*26.94*	
		For Reflective Finish, Add	*33.68*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	123.63	15.80
		For >25 To 50, Deduct	*-9.20*	
		For >50 To 100, Deduct	*-23.01*	
		For >100, Deduct	*-27.61*	
		For Glow-In-Dark, Add	*55.22*	
		For Reflective Finish, Add	*69.03*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	143.84	15.80
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-28.06*	
		For >100, Deduct	*-33.68*	
		For Glow-In-Dark, Add	*67.35*	
		For Reflective Finish, Add	*84.19*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	170.78	15.80
		For >25 To 50, Deduct	*-13.92*	
		For >50 To 100, Deduct	*-34.80*	
		For >100, Deduct	*-41.76*	
		For Glow-In-Dark, Add	*83.51*	
		For Reflective Finish, Add	*104.39*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.18	0.02
		For Glow-In-Dark, Add	*0.09*	
		For Reflective Finish, Add	*0.11*	

10 14 23 11-0042 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0043 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0042)*

10 14 23 11-0044	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	56.58	22.11
		For >25 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-3.71*	
		For Glow-In-Dark, Add	*7.41*	
		For Reflective Finish, Add	*9.26*	
10 14 23 11-0045	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	66.68	22.11
		For >25 To 50, Deduct	*-2.25*	
		For >50 To 100, Deduct	*-5.61*	
		For >100, Deduct	*-6.74*	
		For Glow-In-Dark, Add	*13.47*	
		For Reflective Finish, Add	*16.84*	
10 14 23 11-0046	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	80.15	22.11
		For >25 To 50, Deduct	*-3.59*	
		For >50 To 100, Deduct	*-8.98*	
		For >100, Deduct	*-10.78*	
		For Glow-In-Dark, Add	*21.55*	
		For Reflective Finish, Add	*26.94*	
10 14 23 11-0047	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	100.35	22.11
		For >25 To 50, Deduct	*-5.61*	
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-16.84*	
		For Glow-In-Dark, Add	*33.67*	
		For Reflective Finish, Add	*42.09*	

10 14 23 11-0048 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0049 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0048)*

10 14 23 11-0050	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	57.70	22.11
		For >25 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.37*	
		For >100, Deduct	*-4.04*	
		For Glow-In-Dark, Add	*8.08*	
		For Reflective Finish, Add	*10.10*	
10 14 23 11-0051	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	68.93	22.11
		For >25 To 50, Deduct	*-2.47*	
		For >50 To 100, Deduct	*-6.18*	
		For >100, Deduct	*-7.41*	
		For Glow-In-Dark, Add	*14.82*	
		For Reflective Finish, Add	*18.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0052	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	93.62	22.11
		For >25 To 50, Deduct	*-4.94*	
		For >50 To 100, Deduct	*-12.35*	
		For >100, Deduct	*-14.82*	
		For Glow-In-Dark, Add	*29.63*	
		For Reflective Finish, Add	*37.04*	
10 14 23 11-0053	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	102.60	22.11
		For >25 To 50, Deduct	*-5.84*	
		For >50 To 100, Deduct	*-14.59*	
		For >100, Deduct	*-17.51*	
		For Glow-In-Dark, Add	*35.02*	
		For Reflective Finish, Add	*43.78*	

10 14 23 11-0054 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0055 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0054)*

10 14 23 11-0056	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	61.07	22.11
		For >25 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.21*	
		For >100, Deduct	*-5.05*	
		For Glow-In-Dark, Add	*10.10*	
		For Reflective Finish, Add	*12.63*	
10 14 23 11-0057	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	77.91	22.11
		For >25 To 50, Deduct	*-3.37*	
		For >50 To 100, Deduct	*-8.42*	
		For >100, Deduct	*-10.10*	
		For Glow-In-Dark, Add	*20.21*	
		For Reflective Finish, Add	*25.26*	
10 14 23 11-0058	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	84.64	22.11
		For >25 To 50, Deduct	*-4.04*	
		For >50 To 100, Deduct	*-10.10*	
		For >100, Deduct	*-12.12*	
		For Glow-In-Dark, Add	*24.25*	
		For Reflective Finish, Add	*30.31*	
10 14 23 11-0059	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	93.62	22.11
		For >25 To 50, Deduct	*-4.94*	
		For >50 To 100, Deduct	*-12.35*	
		For >100, Deduct	*-14.82*	
		For Glow-In-Dark, Add	*29.63*	
		For Reflective Finish, Add	*37.04*	

10 14 23 11-0060 Standoffs For Wall Signage *(10 14 23 11)*
Note: Excludes signage

10 14 23 11-0061	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	18.77	7.05
10 14 23 11-0062	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	19.37	7.05
10 14 23 11-0063	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	19.52	7.05
10 14 23 11-0064	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	20.52	7.05
10 14 23 11-0065	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	21.12	7.05
10 14 23 11-0066	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	22.32	7.05
10 14 23 11-0067	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	22.13	8.46
10 14 23 11-0068	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	23.79	8.46
10 14 23 11-0069	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	25.14	8.46
10 14 23 11-0070	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	26.55	8.46
10 14 23 11-0071	EA	1" Diameter x 1" Long, Stainless Steel Standoff	28.50	8.46
10 14 23 11-0072	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	30.91	8.46
10 14 23 11-0073	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	20.97	7.05
10 14 23 11-0074	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.42	7.05
10 14 23 11-0075	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	23.49	8.46
10 14 23 11-0076	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.94	8.46
10 14 23 11-0077	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	25.95	8.46
10 14 23 11-0078	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	26.25	8.46

10 14 23 11-0079 Removal And Reinstallation Of Building Signage *(10 14 23 11)*
Note: Includes storage and cleaning.

10 14 23 11-0080	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	247.02	
10 14 23 11-0081	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	283.65	
10 14 23 11-0082	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	318.94	
10 14 23 11-0083	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	94.77	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*
Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	99.21	28.44
		For Hi-Intensity Grade, Add	*12.70*	
		For Diamond Grade, Add	*24.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	115.39	30.07
		For Hi-Intensity Grade, Add	*16.61*	
		For Diamond Grade, Add	*31.56*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	125.07	31.60
		For Hi-Intensity Grade, Add	*25.37*	
		For Diamond Grade, Add	*40.22*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	145.60	33.23
		For Hi-Intensity Grade, Add	*9.51*	
		For Diamond Grade, Add	*51.51*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	196.52	34.75
		For Hi-Intensity Grade, Add	*27.94*	
		For Diamond Grade, Add	*87.64*	

10 14 53 11-0009 Steel Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	146.66	28.44
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	182.34	30.07
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	193.44	31.60
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	273.56	33.23
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	345.82	34.75

10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	149.99	28.44
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	190.86	30.07
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	210.22	31.60
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	274.33	33.23

10 14 53 11-0020 Other Reflectorized Traffic Signs *(10 14 53 11-0002)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	61.04	25.27
		For Hi-Intensity Grade, Add	*3.15*	
		For Diamond Grade, Add	*5.98*	
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	66.28	25.27
		For Hi-Intensity Grade, Add	*4.72*	
		For Diamond Grade, Add	*8.97*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	66.28	25.27
		For Hi-Intensity Grade, Add	*4.72*	
		For Diamond Grade, Add	*8.97*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	70.21	25.27
		For Hi-Intensity Grade, Add	*5.90*	
		For Diamond Grade, Add	*11.21*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	74.15	25.27
		For Hi-Intensity Grade, Add	*7.08*	
		For Diamond Grade, Add	*13.45*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	85.17	26.85
		For Hi-Intensity Grade, Add	*9.44*	
		For Diamond Grade, Add	*17.93*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	116.64	26.85
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	71.53	25.27
		For Hi-Intensity Grade, Add	*6.29*	
		For Diamond Grade, Add	*11.96*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	85.17	26.85
		For Hi-Intensity Grade, Add	*9.44*	
		For Diamond Grade, Add	*17.93*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	95.66	26.85
		For Hi-Intensity Grade, Add	*12.59*	
		For Diamond Grade, Add	*23.91*	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	106.15	26.85
		For Hi-Intensity Grade, Add	*15.73*	
		For Diamond Grade, Add	*29.89*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	116.64	26.85
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0034	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	100.91	26.85
		For Hi-Intensity Grade, Add	*14.16*	
		For Diamond Grade, Add	*26.90*	
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	116.64	26.85
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	135.53	28.44
		For Hi-Intensity Grade, Add	*23.60*	
		For Diamond Grade, Add	*44.84*	
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	151.26	28.44
		For Hi-Intensity Grade, Add	*28.32*	
		For Diamond Grade, Add	*53.80*	
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	195.37	34.75
		For Hi-Intensity Grade, Add	*37.76*	
		For Diamond Grade, Add	*71.74*	
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	211.10	34.75
		For Hi-Intensity Grade, Add	*42.48*	
		For Diamond Grade, Add	*80.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	140.77	28.44
		For Hi-Intensity Grade, Add	*25.17*	
		For Diamond Grade, Add	*47.82*	
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	161.75	28.44
		For Hi-Intensity Grade, Add	*31.46*	
		For Diamond Grade, Add	*59.78*	
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	182.73	28.44
		For Hi-Intensity Grade, Add	*37.76*	
		For Diamond Grade, Add	*71.74*	
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	216.34	34.75
		For Hi-Intensity Grade, Add	*44.05*	
		For Diamond Grade, Add	*83.69*	
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	237.32	34.75
		For Hi-Intensity Grade, Add	*50.34*	
		For Diamond Grade, Add	*95.65*	
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	258.29	34.75
		For Hi-Intensity Grade, Add	*56.63*	
		For Diamond Grade, Add	*107.60*	
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	279.27	34.75
		For Hi-Intensity Grade, Add	*62.93*	
		For Diamond Grade, Add	*119.56*	
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	187.97	28.44
		For Hi-Intensity Grade, Add	*39.33*	
		For Diamond Grade, Add	*74.73*	
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	226.83	34.75
		For Hi-Intensity Grade, Add	*47.20*	
		For Diamond Grade, Add	*89.67*	
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	253.05	34.75
		For Hi-Intensity Grade, Add	*55.06*	
		For Diamond Grade, Add	*104.62*	
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	291.91	41.07
		For Hi-Intensity Grade, Add	*62.93*	
		For Diamond Grade, Add	*119.56*	
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	356.98	47.39
		For Hi-Intensity Grade, Add	*78.66*	
		For Diamond Grade, Add	*149.45*	
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	258.29	34.75
		For Hi-Intensity Grade, Add	*56.63*	
		For Diamond Grade, Add	*107.60*	
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	302.40	41.07
		For Hi-Intensity Grade, Add	*66.08*	
		For Diamond Grade, Add	*125.54*	
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	346.49	47.39
		For Hi-Intensity Grade, Add	*75.51*	
		For Diamond Grade, Add	*143.47*	
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	377.96	47.39
		For Hi-Intensity Grade, Add	*84.95*	
		For Diamond Grade, Add	*161.41*	
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	422.06	53.71
		For Hi-Intensity Grade, Add	*94.39*	
		For Diamond Grade, Add	*179.34*	
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	502.87	60.02
		For Hi-Intensity Grade, Add	*114.84*	
		For Diamond Grade, Add	*218.20*	
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	529.09	60.02
		For Hi-Intensity Grade, Add	*122.71*	
		For Diamond Grade, Add	*233.15*	
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	705.36	69.51
		For Hi-Intensity Grade, Add	*169.91*	
		For Diamond Grade, Add	*322.82*	
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	351.74	47.39
		For Hi-Intensity Grade, Add	*77.09*	
		For Diamond Grade, Add	*146.47*	
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	443.04	53.71
		For Hi-Intensity Grade, Add	*100.69*	
		For Diamond Grade, Add	*191.30*	
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	497.63	60.02
		For Hi-Intensity Grade, Add	*113.27*	
		For Diamond Grade, Add	*215.21*	
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	539.58	60.02
		For Hi-Intensity Grade, Add	*125.86*	
		For Diamond Grade, Add	*239.13*	
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	600.48	69.51
		For Hi-Intensity Grade, Add	*138.44*	
		For Diamond Grade, Add	*263.04*	
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	642.43	69.51
		For Hi-Intensity Grade, Add	*151.03*	
		For Diamond Grade, Add	*286.95*	
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	738.98	75.82
		For Hi-Intensity Grade, Add	*176.20*	
		For Diamond Grade, Add	*334.78*	
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	822.88	75.82
		For Hi-Intensity Grade, Add	*201.37*	
		For Diamond Grade, Add	*382.60*	
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	864.83	75.82
		For Hi-Intensity Grade, Add	*213.95*	
		For Diamond Grade, Add	*406.51*	
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	913.10	78.98
		For Hi-Intensity Grade, Add	*226.54*	
		For Diamond Grade, Add	*430.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	780.93	75.82
		For Hi-Intensity Grade, Add	*188.78*	
		For Diamond Grade, Add	*358.69*	
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,712.46	101.10
		For Hi-Intensity Grade, Add	*453.08*	
		For Diamond Grade, Add	*860.85*	
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	1,248.72	78.98
		For Hi-Intensity Grade, Add	*327.23*	
		For Diamond Grade, Add	*621.73*	
10 14 53 11-0073		Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*		
10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	105.60	23.76
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	120.01	25.27
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	128.48	26.92
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	154.93	28.44
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	190.86	30.07
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	214.52	30.07
10 14 53 11-0080		Non-Reflectorized Traffic Signs *(10 14 53 11-0001)* Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0081		Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*		
10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	59.01	25.27
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	63.24	25.27
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	63.24	25.27
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	66.41	25.27
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	69.58	25.27
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	79.08	26.85
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	104.46	26.85
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	67.47	25.27
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	79.08	26.85
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	87.54	26.85
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	96.00	26.85
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	104.46	26.85
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	91.77	26.85
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	104.46	26.85
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	120.30	28.44
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	132.99	28.44
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	171.00	34.75
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	183.69	34.75
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	124.53	28.44
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	141.45	28.44
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	158.36	28.44
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	187.92	34.75
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	204.83	34.75
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	221.75	34.75
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	238.66	34.75
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	162.59	28.44
10 14 53 11-0108	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	196.38	34.75
10 14 53 11-0109	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	217.52	34.75
10 14 53 11-0110	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	251.30	41.07
10 14 53 11-0111	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	306.22	47.39
10 14 53 11-0112	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	221.75	34.75
10 14 53 11-0113	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	259.76	41.07
10 14 53 11-0114	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	297.77	47.39
10 14 53 11-0115	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	323.14	47.39
10 14 53 11-0116	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	361.15	53.71
10 14 53 11-0117	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	428.77	60.02
10 14 53 11-0118	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	449.91	60.02
10 14 53 11-0119	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	595.73	69.51
10 14 53 11-0120	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	301.99	47.39
10 14 53 11-0121	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	378.07	53.71
10 14 53 11-0122	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	424.54	60.02
10 14 53 11-0123	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	458.37	60.02
10 14 53 11-0124	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	511.15	69.51
10 14 53 11-0125	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	544.98	69.51
10 14 53 11-0126	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	625.28	75.82
10 14 53 11-0127	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	692.95	75.82
10 14 53 11-0128	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	726.78	75.82
10 14 53 11-0129	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	766.93	78.98
10 14 53 11-0130	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	659.11	75.82
10 14 53 11-0131	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,420.10	101.10
10 14 53 11-0132	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	1,037.57	78.98
10 14 53 11-0133		Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*		
10 14 53 11-0134	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	59.35	25.27
10 14 53 11-0135	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	63.75	25.27
10 14 53 11-0136	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	63.75	25.27
10 14 53 11-0137	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	67.05	25.27
10 14 53 11-0138	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	70.36	25.27
10 14 53 11-0139	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	80.12	26.85
10 14 53 11-0140	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	106.52	26.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	68.15	25.27
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	80.12	26.85
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	88.92	26.85
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	97.72	26.85
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	106.52	26.85
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	93.32	26.85
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	106.52	26.85
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	122.89	28.44
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	136.09	28.44
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	175.14	34.75
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	188.34	34.75
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	127.29	28.44
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	144.89	28.44
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	162.50	28.44
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	192.74	34.75
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	210.35	34.75
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	227.95	34.75
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	245.56	34.75
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	166.90	28.44
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	201.55	34.75
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	223.55	34.75
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	258.20	41.07
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	314.84	47.39
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	227.95	34.75
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	267.00	41.07
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	306.04	47.39
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	332.44	47.39
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	371.49	53.71
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	441.35	60.02
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	463.35	60.02
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	614.34	69.51
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	310.44	47.39
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	389.10	53.71
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	436.95	60.02
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	472.16	60.02
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	526.32	69.51
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	561.53	69.51
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	644.58	75.82
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	715.00	75.82
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	750.21	75.82
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	791.74	78.98
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	679.79	75.82
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,469.74	101.10
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	1,073.42	78.98

10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	89.18	23.76
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	97.51	25.27
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	105.01	26.92
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	138.15	28.44
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	148.03	30.07
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	171.73	31.60

10 14 53 11-0192 Aluminum Street Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0193 Aluminum Engineer Grade Street Signs *(10 14 53 11-0192)*

10 14 53 11-0194	EA	6" High, Aluminum Engineer Grade Street Sign	112.01	12.64
		For Diamond Grade, Add	*49.44*	
10 14 53 11-0195	EA	8" High, Aluminum Engineer Grade Street Sign	127.32	12.64
		For Diamond Grade, Add	*58.17*	
10 14 53 11-0196	EA	9" High, Aluminum Engineer Grade Street Sign	138.71	12.64
		For Diamond Grade, Add	*64.66*	

10 14 53 11-0197 Street Sign Accessories *(10 14 53 11-0192)*

10 14 53 11-0198	EA	Single Bracket And Post Cap For Street Sign	33.50	6.32
10 14 53 11-0199	EA	Double Bracket And Post Cap For Street Sign	33.50	6.32

10 14 53 11-0200 Sign Posts *(10 14 53 11-0001)*

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill., 32 31 13 13-0019 for concrete fill.

10 14 53 11-0201 U-Channel Sign Posts *(10 14 53 11-0200)*

Note: Excludes digging and concrete.

10 14 53 11-0202 Baked Enamel U-Channel Sign Posts *(10 14 53 11-0201)*

10 14 53 11-0203	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	87.50	25.65
10 14 53 11-0204	EA	6' Baked Enamel U-Channel Sign Post	115.03	32.07
10 14 53 11-0205	EA	7' Baked Enamel U-Channel Sign Post	137.33	38.48
10 14 53 11-0206	EA	8' Baked Enamel U-Channel Sign Post	160.82	44.89
10 14 53 11-0207	EA	10' Baked Enamel U-Channel Sign Post	194.01	54.51
10 14 53 11-0208	EA	12' Baked Enamel U-Channel Sign Post	199.81	54.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0209		Galvanized Steel U-Channel Sign Posts *(10 14 53 11-0201)*		
10 14 53 11-0210	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	94.96	25.65
10 14 53 11-0211	EA	6' Galvanized Steel U-Channel Sign Post	126.88	32.07
10 14 53 11-0212	EA	7' Galvanized Steel U-Channel Sign Post	164.11	38.48
10 14 53 11-0213	EA	8' Galvanized Steel U-Channel Sign Post	190.42	44.89
10 14 53 11-0214	EA	10' Galvanized Steel U-Channel Sign Post	215.57	54.51
10 14 53 11-0215	EA	12' Galvanized Steel U-Channel Sign Post	218.57	54.51
10 14 53 11-0216		Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 11-0201)*		
10 14 53 11-0217	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	85.74	25.65
10 14 53 11-0218	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	111.21	32.07
10 14 53 11-0219	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	132.71	38.48
10 14 53 11-0220	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	155.31	44.89
10 14 53 11-0221	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	184.02	54.51
10 14 53 11-0222	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	193.89	54.51
10 14 53 11-0223		Tubular Sign Posts *(10 14 53 11-0200)* Note: Excludes digging and concrete.		
10 14 53 11-0224		2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 11-0223)*		
10 14 53 11-0225	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	128.10	32.07
10 14 53 11-0226	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	151.95	38.48
10 14 53 11-0227	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	179.57	44.89
10 14 53 11-0228	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	231.77	54.51
10 14 53 11-0229	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	252.10	54.51
10 14 53 11-0230		Square Sign Posts *(10 14 53 11-0200)* Note: Excludes digging and concrete.		
10 14 53 11-0231		Galvanized Steel Square Sign Posts *(10 14 53 11-0230)*		
10 14 53 11-0232	EA	3' To 4' Galvanized Steel Square Sign Post Base	96.62	25.65
10 14 53 11-0233	EA	6' Galvanized Steel Square Sign Post	154.92	32.07
10 14 53 11-0234	EA	7' Galvanized Steel Square Sign Post	181.56	38.48
10 14 53 11-0235	EA	8' Galvanized Steel Square Sign Post	211.78	44.89
10 14 53 11-0236	EA	10' Galvanized Steel Square Sign Post	258.65	54.51
10 14 53 11-0237	EA	12' Galvanized Steel Square Sign Post	272.85	54.51
10 14 53 11-0238		Sign Post Accessories *(10 14 53 11-0001)*		
10 14 53 11-0239		Sign Post Brackets *(10 14 53 11-0238)*		
10 14 53 11-0240	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	66.43	9.48
10 14 53 11-0241	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	88.64	15.80
10 14 53 11-0242	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	80.24	12.64
10 14 53 11-0243		Sign Post Caps *(10 14 53 11-0238)*		
10 14 53 11-0244	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	30.34	6.32
10 14 53 11-0245		Sign Post Replacement Bolts *(10 14 53 11-0238)*		
10 14 53 11-0246	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	21.13	
10 14 53 11-0247		Removal Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations.		
10 14 53 11-0248	EA	>4 To 10 SF Sign Area, Sign Removal	252.74	
10 14 53 11-0249	EA	>10 To 20 SF Sign Area, Sign Removal	606.59	
10 14 53 11-0250	EA	>20 To 40 SF Sign Area, Sign Removal	909.90	
10 14 53 11-0251	EA	>40 To 100 SF Sign Area, Sign Removal	1,392.50	
10 14 53 11-0252		Removal And Reinstallation Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations		
10 14 53 11-0253	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	385.64	
10 14 53 11-0254	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	914.54	
10 14 53 11-0255	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,368.79	
10 14 53 11-0256	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	2,092.41	
10 14 53 11-0257	EA	Removal And Reinstallation Of Street Sign On Post	145.33	
10 14 53 11-0258	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	495.47	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001 **Enamel Coated Steel Toilet Partitions And Urinal Screens** *(10 21 13 13)*
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 **Enamel Coated Steel Toilet Partitions** *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0003 **Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,107.65	158.80
		For >10, Deduct	*-79.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,332.93	172.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,421.95	179.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0007 **Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*
Note: Includes head rail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,163.22	194.09
		For >10, Deduct	*-77.50*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,345.33	208.20
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,420.46	215.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0011 **Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*
Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,373.02	229.37
		For >10, Deduct	*-91.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,592.46	243.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,670.80	250.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0015 **Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*
Note: Excludes above ceiling steel.

10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,341.90	264.66
		For >10, Deduct	*-81.26*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,597.21	278.78
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,684.05	285.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0019 **Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0020 **Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	591.60	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	654.52	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	719.27	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0024 **Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	345.70	84.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	372.96	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	394.55	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	440.43	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	489.30	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	522.17	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	555.04	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0034		**Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	550.31	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	590.69	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	651.72	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0038		**Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0039		**Enamel Coated Steel, Toilet Partition Doors** *(10 21 13 13-0038)*		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	341.70	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	349.21	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	370.34	30.35
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	404.12	30.35
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	411.62	30.35
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0045		**Enamel Coated Steel, Toilet Partition Panels** *(10 21 13 13-0038)*		
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	253.58	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	279.41	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	305.24	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	331.05	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	356.88	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	382.70	59.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	406.65	63.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	432.48	67.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	450.79	70.58
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	461.13	71.99
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	474.74	74.11
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	517.45	77.63
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	554.54	81.16
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0059		**70" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	188.72	21.17
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	208.91	24.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	230.98	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	268.07	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	303.28	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	338.48	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	433.74	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	497.10	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	534.18	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	153.07	21.17
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	167.63	24.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	184.07	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	208.02	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	230.09	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	254.03	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	311.76	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	350.72	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	374.67	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	212.22	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	232.41	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	254.49	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	291.56	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	326.77	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	361.98	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	457.24	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	520.59	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	557.67	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,483.80	158.80
		For >10, Deduct	*-216.62*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*758.17*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,992.46	172.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*926.32*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,133.88	179.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*970.88*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes head rail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,123.96	194.09
		For >10, Deduct	*-173.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*607.52*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,575.50	208.20
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*755.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,802.45	215.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*830.17*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,928.11	229.37
		For >10, Deduct	*-246.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*864.27*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,139.62	243.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*928.42*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,285.11	250.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*974.40*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,943.49	264.66
		For >10, Deduct	*-241.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*844.96*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,567.52	278.78
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*1,053.48*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,748.76	285.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*1,111.98*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	836.13	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	944.36	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	966.15	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*259.15*	

10 21 13 14-0024 Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	622.36	84.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*158.57*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	673.48	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*171.52*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	734.76	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*188.04*	

10 21 13 14-0028 Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	994.22	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*283.78*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,042.99	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*295.91*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,091.53	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*307.97*	

10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	836.13	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	944.34	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,056.98	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*290.94*	

10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 14-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 14-0037 Stainless Steel, Toilet Partition Doors *(10 21 13 14-0036)*

10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	539.55	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*169.08*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	615.85	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*195.79*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	633.48	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*199.49*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	655.51	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*207.20*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	661.64	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*209.34*	

10 21 13 14-0043 Stainless Steel, Toilet Partition Panels *(10 21 13 14-0036)*

10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	472.33	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*135.67*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	524.16	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*151.34*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	546.70	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*156.76*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	572.16	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*163.21*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	614.00	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*175.38*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	662.46	59.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*189.87*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	772.77	63.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*226.01*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	845.26	67.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*248.91*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	867.81	70.58
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*254.33*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	910.24	71.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*268.19*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	966.13	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*286.27*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,012.30	77.63
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*299.96*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,109.40	81.16
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*331.47*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	324.75	21.17
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*98.84*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	354.18	24.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*106.67*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	385.35	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	438.90	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*131.38*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	492.46	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*147.66*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	546.00	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*163.93*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	690.81	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*212.14*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	790.86	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*244.69*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	844.41	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*260.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	249.91	21.17
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*72.65*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	271.17	24.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*77.62*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	293.16	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*82.85*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	379.00	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*110.42*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	427.57	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*124.95*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	443.23	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*127.96*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	501.69	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*145.95*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	565.28	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*165.74*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	600.38	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*175.55*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	357.80	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*105.47*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	392.41	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	425.30	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*124.15*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	487.45	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*143.44*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	547.89	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*162.12*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	608.33	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*180.80*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	778.98	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*238.06*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	892.79	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*275.43*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	954.95	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*294.71*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,412.65	158.80
		For >10, Deduct	*-109.51*	
		For Cast Stainless Steel Hardware, Add	*180.50*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,721.27	172.91
		For Cast Stainless Steel Hardware, Add	*180.52*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,850.52	179.97
		For Cast Stainless Steel Hardware, Add	*180.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0007		**Overhead Braced, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* Note: Includes head rail.		
10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,536.69	194.09
		For >10, Deduct	*-114.85*	
		For Cast Stainless Steel Hardware, Add	*180.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,858.65	208.20
		For Cast Stainless Steel Hardware, Add	*180.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,997.94	215.26
		For Cast Stainless Steel Hardware, Add	*180.59*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0011		**Ceiling Hung, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,056.36	264.66
		For >10, Deduct	*-152.71*	
		For Cast Stainless Steel Hardware, Add	*180.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,388.62	278.78
		For Cast Stainless Steel Hardware, Add	*180.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,517.88	285.85
		For Cast Stainless Steel Hardware, Add	*180.71*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	605.92	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	660.10	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	682.05	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	473.28	84.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	498.85	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	523.35	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	621.30	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	681.08	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	745.67	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	575.82	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	631.13	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	652.44	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	461.29	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	500.63	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	518.42	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	530.58	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	542.02	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	244.13	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	269.73	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	295.33	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	321.87	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	346.52	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	373.18	59.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	382.41	63.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	393.02	67.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	413.69	70.58
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	430.42	71.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	449.33	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	510.03	77.63
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	578.61	81.16
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0053		**69" Long, Laminated Plastic, Toilet Partition Pilasters** *(10 21 13 16-0032)*		
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	194.70	21.17
		For 1-1/4" Pilaster, Add	*12.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*152.35*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	224.64	24.70
		For 1-1/4" Pilaster, Add	*14.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*175.24*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	231.70	28.23
		For 1-1/4" Pilaster, Add	*14.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*175.24*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	255.92	31.76
		For 1-1/4" Pilaster, Add	*15.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*192.40*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	267.99	35.29
		For 1-1/4" Pilaster, Add	*16.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*197.41*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	291.49	38.82
		For 1-1/4" Pilaster, Add	*17.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*213.86*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	368.64	42.35
		For 1-1/4" Pilaster, Add	*23.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*283.95*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	444.37	45.87
		For 1-1/4" Pilaster, Add	*29.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*352.62*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	497.92	49.40
		For 1-1/4" Pilaster, Add	*32.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*399.11*	
10 21 13 16-0063		**83" Long, Laminated Plastic, Toilet Partition Pilasters** *(10 21 13 16-0032)*		
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	374.94	21.17
		For 1-1/4" Pilaster, Add	*27.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*332.59*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	414.89	24.70
		For 1-1/4" Pilaster, Add	*30.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*365.49*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	421.95	28.23
		For 1-1/4" Pilaster, Add	*30.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*365.49*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	456.91	31.76
		For 1-1/4" Pilaster, Add	*32.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*393.39*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	499.01	35.29
		For 1-1/4" Pilaster, Add	*35.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*428.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	533.24	38.82
		For 1-1/4" Pilaster, Add	*37.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*455.61*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	661.55	42.35
		For 1-1/4" Pilaster, Add	*47.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*576.86*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	752.64	45.87
		For 1-1/4" Pilaster, Add	*54.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*660.89*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	773.29	49.40
		For 1-1/4" Pilaster, Add	*55.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*674.48*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,033.43	194.09
		For >10, Deduct	*-164.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,020.06*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,494.98	208.20
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,288.71*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,760.60	215.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,444.64*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,041.70	229.37
		For >10, Deduct	*-158.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*981.42*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,543.48	243.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,275.02*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,809.09	250.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,430.95*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,148.16	264.66
		For >10, Deduct	*-161.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,003.67*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,539.18	278.78
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,228.60*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,804.79	285.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,384.53*	

10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	484.49	84.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*195.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	511.02	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*203.11*	
10 21 13 19-0019		Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	611.83	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	768.72	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	853.15	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*397.75*	
10 21 13 19-0023		Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	625.94	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	782.82	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	925.57	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*433.90*	
10 21 13 19-0027		Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0001)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028		Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	479.94	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*262.56*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	518.48	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*286.45*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	563.79	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*310.17*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	641.78	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*358.52*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	660.24	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*369.97*	
10 21 13 19-0034		Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	178.55	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.19*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	279.48	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*116.39*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	380.38	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*174.57*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	442.80	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*208.90*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	534.10	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*261.13*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	570.62	59.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*279.40*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	639.58	63.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*317.77*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	719.85	67.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*363.17*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	785.52	70.58
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*399.51*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	802.56	71.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*408.32*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	829.49	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*422.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	935.93	77.63
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	1,008.07	81.16
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*524.36*	

10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	223.16	21.17
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*112.10*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	248.34	24.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*123.34*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	270.36	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*132.62*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	290.78	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*140.90*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	326.39	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*158.60*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	361.97	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*176.29*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	494.27	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*253.94*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	558.28	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*289.25*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	607.75	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*315.54*	

10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	273.02	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*134.27*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	300.69	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*147.05*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	331.28	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*161.63*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	375.07	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*184.41*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	419.29	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*207.45*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	463.10	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*230.24*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	591.29	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*305.34*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	661.03	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*344.21*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	718.55	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*375.49*	

10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes head rail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,609.27	194.09
		For >10, Deduct	*-222.11*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,377.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,222.49	208.20
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,739.77*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,576.14	215.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,950.28*	

10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,595.73	229.37
		For >10, Deduct	*-213.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,324.92*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,263.24	243.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,721.28*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,616.88	250.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,931.78*	

10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,714.77	264.66
		For >10, Deduct	*-218.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,354.97*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,232.74	278.78
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,658.61*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,586.37	285.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,869.11*	

10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	594.79	84.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*263.80*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	621.63	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*271.69*	

10 21 13 19-0086 Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	954.53	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,084.62	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*550.00*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,156.41	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*585.77*	

10 21 13 19-0090 Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	775.87	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*358.58*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	982.74	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,170.52	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*585.77*	

10 21 13 19-0094 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0095		**Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	628.15	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*354.45*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	680.20	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*386.72*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	738.88	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*418.72*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	844.18	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	869.09	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*499.45*	
10 21 13 19-0101		**Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	211.40	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*78.56*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	345.18	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*157.13*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	478.95	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*235.69*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	560.71	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*282.01*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	681.50	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*352.52*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	728.34	59.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*377.18*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	818.97	63.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*429.00*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	924.88	67.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*490.28*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,011.06	70.58
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*539.34*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,033.06	71.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*551.23*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,067.93	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*570.23*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,209.18	77.63
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*653.42*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,304.07	81.16
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*707.88*	
10 21 13 19-0115		**82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0094)*		
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	286.44	21.17
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*151.34*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	317.97	24.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*166.51*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	345.22	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*179.03*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	398.22	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*207.51*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	447.34	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*233.59*	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	496.39	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*259.63*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	637.62	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*342.82*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	721.58	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*390.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	785.87	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*425.98*	
10 21 13 19-0125		96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*		
10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	348.82	28.23
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*181.26*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	383.71	31.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*198.52*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	422.54	35.29
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*218.22*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	479.19	38.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*248.97*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	536.41	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*280.07*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	593.06	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*310.81*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	763.67	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*412.21*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	855.33	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*464.67*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	930.52	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*506.91*	
10 21 13 19-0135		Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*		
		Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136		Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0137		Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,119.31	158.80
		For >10, Deduct	*-180.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*394.24*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,596.73	172.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*489.98*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,895.51	179.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*550.47*	
10 21 13 19-0141		Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Includes head rail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,358.32	194.09
		For >10, Deduct	*-197.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*433.14*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,854.53	208.20
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*532.83*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,167.65	215.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*596.32*	
10 21 13 19-0145		Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,444.29	229.37
		For >10, Deduct	*-198.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*439.90*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,937.01	243.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*538.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,235.79	250.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*599.34*	

10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Excludes above ceiling steel.

10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,422.97	264.66
		For >10, Deduct	*-189.36*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*424.13*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,900.04	278.78
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*519.80*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,198.82	285.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*580.28*	

10 21 13 19-0153 Solid Phenolic Urinal Screens *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0154 Floor Anchored, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	784.74	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*133.19*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	885.39	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*152.07*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,057.57	112.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*185.97*	

10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	508.33	84.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*79.66*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	586.81	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*93.88*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	701.86	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*115.79*	

10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	518.03	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*79.44*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	643.66	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*103.57*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	749.49	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*123.53*	

10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	804.48	91.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*139.60*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	905.73	98.76
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*158.60*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,081.14	105.81
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*193.18*	

10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors *(10 21 13 19-0170)*

10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	570.01	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*110.67*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	589.32	28.23
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*114.72*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	645.93	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*125.48*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	696.29	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*136.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	748.01	31.76
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*146.92*	

10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	191.72	42.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*26.71*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	252.25	45.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*38.29*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	339.53	49.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*55.49*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	427.72	52.93
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*72.88*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	476.15	56.46
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*81.92*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	526.96	59.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*91.46*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	612.87	63.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*108.38*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	701.29	67.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*125.81*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	747.68	70.58
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*134.43*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	768.39	71.99
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*138.33*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	783.35	74.11
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*140.79*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	899.13	77.63
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*163.97*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,082.14	81.16
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*201.28*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	273.38	21.17
		For 1" Pilaster, Add	*28.88*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*50.63*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	314.76	24.70
		For 1" Pilaster, Add	*33.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.20*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	321.82	28.23
		For 1" Pilaster, Add	*33.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.55*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	372.51	31.76
		For 1" Pilaster, Add	*38.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*68.06*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	418.91	35.29
		For 1" Pilaster, Add	*43.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*76.68*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	465.30	38.82
		For 1" Pilaster, Add	*48.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*85.29*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	593.23	42.35
		For 1" Pilaster, Add	*63.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*111.03*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	726.89	45.87
		For 1" Pilaster, Add	*79.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*137.97*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	763.99	49.40
		For 1" Pilaster, Add	*83.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*144.63*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	299.12	21.17
		For 1" Pilaster, Add	*32.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*56.04*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	350.52	24.70
		For 1" Pilaster, Add	*37.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*65.71*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	357.58	28.23
		For 1" Pilaster, Add	*37.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*66.06*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	413.99	31.76
		For 1" Pilaster, Add	*43.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*76.77*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	467.54	35.29
		For 1" Pilaster, Add	*49.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*86.89*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	521.46	38.82
		For 1" Pilaster, Add	*55.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*97.09*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	676.92	42.35
		For 1" Pilaster, Add	*74.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*128.60*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	805.23	45.87
		For 1" Pilaster, Add	*89.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*154.42*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	847.33	49.40
		For 1" Pilaster, Add	*93.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*162.13*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	338.98	28.23
		For 1" Pilaster, Add	*35.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*62.15*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	400.40	31.76
		For 1" Pilaster, Add	*42.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*73.92*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	407.46	35.29
		For 1" Pilaster, Add	*42.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*74.27*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	469.59	38.82
		For 1" Pilaster, Add	*49.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*86.19*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	530.29	42.35
		For 1" Pilaster, Add	*55.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*97.81*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	591.71	45.87
		For 1" Pilaster, Add	*62.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*109.58*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	774.72	49.40
		For 1" Pilaster, Add	*84.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*146.88*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	897.64	52.93
		For 1" Pilaster, Add	*98.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*171.57*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	944.76	56.46
		For 1" Pilaster, Add	*103.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*180.33*	

10 21 13 19-0221 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0222 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0221)*

Note: Small particulate finish.

10 21 13 19-0223 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0222)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,184.88	158.80
		For >10, Deduct	*-486.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,119.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,259.77	172.91
		For Solid Color Material (No Particulate), Deduct	*-1,360.20*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,940.75	179.97
		For Solid Color Material (No Particulate), Deduct	*-1,513.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0227		Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0222)*		
10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,388.03	194.09
		For >10, Deduct	*-499.99*	
		For Solid Color Material (No Particulate), Deduct	*-1,149.97*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,074.34	208.20
		For Solid Color Material (No Particulate), Deduct	*-1,531.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,830.01	215.26
		For Solid Color Material (No Particulate), Deduct	*-1,701.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0231		Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,036.92	229.37
		For >10, Deduct	*-557.82*	
		For Solid Color Material (No Particulate), Deduct	*-1,282.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,101.77	243.49
		For Solid Color Material (No Particulate), Deduct	*-1,751.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,856.84	250.55
		For Solid Color Material (No Particulate), Deduct	*-1,921.82*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0235		Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,100.32	264.66
		For >10, Deduct	*-557.10*	
		For Solid Color Material (No Particulate), Deduct	*-1,281.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,787.26	278.78
		For Solid Color Material (No Particulate), Deduct	*-1,662.83*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,542.32	285.85
		For Solid Color Material (No Particulate), Deduct	*-1,833.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0239		Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0221)*		
10 21 13 19-0240		Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,435.57	98.76
		For Solid Color Material (No Particulate), Deduct	*-284.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,894.26	105.81
		For Solid Color Material (No Particulate), Deduct	*-387.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,352.96	112.87
		For Solid Color Material (No Particulate), Deduct	*-489.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0244		Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	737.94	84.65
		For Solid Color Material (No Particulate), Deduct	*-130.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	941.58	91.70
		For Solid Color Material (No Particulate), Deduct	*-174.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,145.25	98.76
		For Solid Color Material (No Particulate), Deduct	*-217.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	963.41	91.70
		For Solid Color Material (No Particulate), Deduct	*-179.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,199.83	98.76
		For Solid Color Material (No Particulate), Deduct	*-230.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,436.21	105.81
		For Solid Color Material (No Particulate), Deduct	*-281.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,469.91	91.70
		For Solid Color Material (No Particulate), Deduct	*-295.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0254	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,928.61	98.76
		For Solid Color Material (No Particulate), Deduct	*-398.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0255	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,387.30	105.81
		For Solid Color Material (No Particulate), Deduct	*-500.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0256		**Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0221)*		
10 21 13 19-0257		**Solid Polyester (Corian), Toilet Partition Doors** *(10 21 13 19-0256)*		
10 21 13 19-0258	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,130.86	28.23
		For Solid Color Material (No Particulate), Deduct	*-247.11*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0259	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,207.65	28.23
		For Solid Color Material (No Particulate), Deduct	*-264.77*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0260	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,377.12	31.76
		For Solid Color Material (No Particulate), Deduct	*-302.13*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0261	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,535.58	31.76
		For Solid Color Material (No Particulate), Deduct	*-338.57*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0262	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,604.53	31.76
		For Solid Color Material (No Particulate), Deduct	*-354.43*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0263		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	306.97	42.35
		For Solid Color Material (No Particulate), Deduct	*-51.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	536.34	45.87
		For Solid Color Material (No Particulate), Deduct	*-102.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	765.68	49.40
		For Solid Color Material (No Particulate), Deduct	*-153.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	995.04	52.93
		For Solid Color Material (No Particulate), Deduct	*-204.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,224.38	56.46
		For Solid Color Material (No Particulate), Deduct	*-255.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,453.72	59.99
		For Solid Color Material (No Particulate), Deduct	*-306.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,683.09	63.52
		For Solid Color Material (No Particulate), Deduct	*-357.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,912.43	67.05
		For Solid Color Material (No Particulate), Deduct	*-409.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,178.82	70.58
		For Solid Color Material (No Particulate), Deduct	*-468.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,292.82	71.99
		For Solid Color Material (No Particulate), Deduct	*-494.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,371.13	74.11
		For Solid Color Material (No Particulate), Deduct	*-511.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,748.67	77.63
		For Solid Color Material (No Particulate), Deduct	*-596.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,052.12	81.16
		For Solid Color Material (No Particulate), Deduct	*-664.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0277		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0278	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	391.22	21.17
		For Solid Color Material (No Particulate), Deduct	*-80.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0279	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	485.49	24.70
		For Solid Color Material (No Particulate), Deduct	*-100.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0280	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	579.77	28.23
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0281	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	761.29	31.76
		For Solid Color Material (No Particulate), Deduct	*-160.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0282	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	942.79	35.29
		For Solid Color Material (No Particulate), Deduct	*-200.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0283	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,124.28	38.82
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0284	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,654.65	42.35
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0285	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,010.61	45.87
		For Solid Color Material (No Particulate), Deduct	*-441.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0286	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,192.10	49.40
		For Solid Color Material (No Particulate), Deduct	*-481.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0287		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	439.67	21.17
		For Solid Color Material (No Particulate), Deduct	*-91.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0289	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	546.08	24.70
		For Solid Color Material (No Particulate), Deduct	*-114.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0290	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	641.11	28.23
		For Solid Color Material (No Particulate), Deduct	*-134.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0291	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	873.35	31.76
		For Solid Color Material (No Particulate), Deduct	*-186.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0292	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,063.92	35.29
		For Solid Color Material (No Particulate), Deduct	*-228.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0293	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,269.63	38.82
		For Solid Color Material (No Particulate), Deduct	*-274.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0294	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,872.71	42.35
		For Solid Color Material (No Particulate), Deduct	*-411.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0295	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,277.12	45.87
		For Solid Color Material (No Particulate), Deduct	*-502.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0296	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,482.84	49.40
		For Solid Color Material (No Particulate), Deduct	*-548.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0297		**96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	579.77	28.23
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0299	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	717.67	31.76
		For Solid Color Material (No Particulate), Deduct	*-150.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0300	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	855.57	35.29
		For Solid Color Material (No Particulate), Deduct	*-180.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0301	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,124.28	38.82
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0302	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,392.99	42.35
		For Solid Color Material (No Particulate), Deduct	*-300.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0303	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,661.71	45.87
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0304	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,453.76	49.40
		For Solid Color Material (No Particulate), Deduct	*-541.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0305	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,984.15	52.93
		For Solid Color Material (No Particulate), Deduct	*-662.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0306	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,252.86	56.46
		For Solid Color Material (No Particulate), Deduct	*-722.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

10 21 13 43-0001 Accessories *(10 21 13 43)*

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	15.03	2.82
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	26.11	2.82
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	122.23	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	79.01	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	131.16	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	94.53	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	224.05	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	204.15	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	158.20	

10 21 16 Shower and Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,228.73	176.44
		For 66" High Panels, Add	*131.38*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,548.91	190.56
		For 66" High Panels, Add	*175.17*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,008.33	211.73
		For 66" High Panels, Add	*237.73*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,370.83	247.02
		For 66" High Panels, Add	*281.52*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,733.36	282.31
		For 66" High Panels, Add	*325.31*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,983.55	310.12
		For 66" High Panels, Add	*416.52*	
		For 6" Wide Head Rail, Add	*77.10*	
		For 8" Wide Head Rail, Add	*106.94*	
		For 10" Wide Head Rail, Add	*130.57*	
		For 12" Wide Head Rail, Add	*157.31*	
		For 18" Wide, 1/2" Thick Bench, Add	*147.02*	
		For 24" Wide, 1/2" Thick Bench, Add	*187.02*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,689.44	338.64
		For 66" High Panels, Add	*519.55*	
		For 6" Wide Head Rail, Add	*97.14*	
		For 8" Wide Head Rail, Add	*134.03*	
		For 10" Wide Head Rail, Add	*164.15*	
		For 12" Wide Head Rail, Add	*197.66*	
		For 18" Wide, 1/2" Thick Bench, Add	*152.73*	
		For 24" Wide, 1/2" Thick Bench, Add	*192.73*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,659.10	360.09
		For 66" High Panels, Add	*662.86*	
		For 6" Wide Head Rail, Add	*125.37*	
		For 8" Wide Head Rail, Add	*171.96*	
		For 10" Wide Head Rail, Add	*211.35*	
		For 12" Wide Head Rail, Add	*254.34*	
		For 18" Wide, 1/2" Thick Bench, Add	*157.02*	
		For 24" Wide, 1/2" Thick Bench, Add	*197.02*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,976.33	402.86
		For 66" High Panels, Add	*706.17*	
		For 6" Wide Head Rail, Add	*133.18*	
		For 8" Wide Head Rail, Add	*182.94*	
		For 10" Wide Head Rail, Add	*224.65*	
		For 12" Wide Head Rail, Add	*270.38*	
		For 18" Wide, 1/2" Thick Bench, Add	*165.57*	
		For 24" Wide, 1/2" Thick Bench, Add	*205.57*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,695.03	437.87
		For 66" High Panels, Add	*810.47*	
		For 6" Wide Head Rail, Add	*153.34*	
		For 8" Wide Head Rail, Add	*210.29*	
		For 10" Wide Head Rail, Add	*258.48*	
		For 12" Wide Head Rail, Add	*311.05*	
		For 18" Wide, 1/2" Thick Bench, Add	*172.57*	
		For 24" Wide, 1/2" Thick Bench, Add	*212.57*	

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0001		**Wall Panels** *(10 22 13)*		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.78	1.76
		For 5' Wide Panels, Add	*0.56*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.43	2.12
		For 5' Wide Panels, Add	*0.61*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	24.68	2.47
		For 5' Wide Panels, Add	*0.99*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)*		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.41	2.12
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.07	2.47
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.95	2.82
10 22 13 00-0009		**Sliding Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,479.80	370.54
		For 8 Gauge, Add	*147.86*	
		For 6 Gauge, Add	*295.73*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,567.46	409.35
		For 8 Gauge, Add	*153.25*	
		For 6 Gauge, Add	*306.50*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,703.37	423.47
		For 8 Gauge, Add	*170.81*	
		For 6 Gauge, Add	*341.63*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,856.59	458.76
		For 8 Gauge, Add	*186.74*	
		For 6 Gauge, Add	*373.47*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,925.57	486.99
		For 8 Gauge, Add	*191.44*	
		For 6 Gauge, Add	*382.88*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,109.75	515.22
		For 8 Gauge, Add	*213.42*	
		For 6 Gauge, Add	*426.84*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,267.51	554.04
		For 8 Gauge, Add	*229.32*	
		For 6 Gauge, Add	*458.64*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,457.16	578.74
		For 8 Gauge, Add	*252.83*	
		For 6 Gauge, Add	*505.65*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,482.88	592.85
		For 8 Gauge, Add	*253.86*	
		For 6 Gauge, Add	*507.72*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,728.75	628.14
		For 8 Gauge, Add	*283.68*	
		For 6 Gauge, Add	*567.37*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,003.91	218.79
		For 8 Gauge, Add	*103.53*	
		For 6 Gauge, Add	*207.07*	
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,077.53	247.02
		For 8 Gauge, Add	*112.22*	
		For 6 Gauge, Add	*224.45*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,153.34	261.13
		For 8 Gauge, Add	*120.77*	
		For 6 Gauge, Add	*241.55*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,148.10	282.31
		For 8 Gauge, Add	*115.75*	
		For 6 Gauge, Add	*231.51*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,226.41	296.43
		For 8 Gauge, Add	*124.68*	
		For 6 Gauge, Add	*249.35*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,281.81	310.55
		For 8 Gauge, Add	*130.16*	
		For 6 Gauge, Add	*260.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0028		Double Swing Doors *(10 22 13 00-0020)*		
10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,579.74	352.89
		For 8 Gauge, Add	*166.38*	
		For 6 Gauge, Add	*332.77*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,706.31	374.07
		For 8 Gauge, Add	*181.13*	
		For 6 Gauge, Add	*362.27*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,832.87	395.24
		For 8 Gauge, Add	*195.88*	
		For 6 Gauge, Add	*391.77*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,967.07	423.47
		For 8 Gauge, Add	*210.37*	
		For 6 Gauge, Add	*420.74*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,145.25	444.64
		For 8 Gauge, Add	*232.86*	
		For 6 Gauge, Add	*465.72*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,321.46	465.82
		For 8 Gauge, Add	*255.06*	
		For 6 Gauge, Add	*510.11*	
10 22 13 00-0035		Dutch Doors *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,324.96	218.79
		For 8 Gauge, Add	*151.69*	
		For 6 Gauge, Add	*303.38*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,404.30	247.02
		For 8 Gauge, Add	*161.24*	
		For 6 Gauge, Add	*322.48*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,448.37	261.13
		For 8 Gauge, Add	*165.03*	
		For 6 Gauge, Add	*330.06*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,534.75	296.43
		For 8 Gauge, Add	*170.93*	
		For 6 Gauge, Add	*341.86*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,473.79	282.31
		For 8 Gauge, Add	*164.61*	
		For 6 Gauge, Add	*329.21*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,562.31	296.43
		For 8 Gauge, Add	*175.06*	
		For 6 Gauge, Add	*350.12*	
10 22 33		**Accordion Folding Partitions** *(10 22)*		
10 22 33 00-0001		Accordion Doors/Partitions *(10 22 33)*		
		Note: Includes top support track and assembled panels.		
10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	98.31	6.65
		For <135, Add	*19.66*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	99.86	6.88
		For <135, Add	*19.97*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	104.56	7.10
		For <135, Add	*20.91*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	110.88	7.33
		For <135, Add	*22.18*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	112.84	7.54
		For <135, Add	*22.57*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	114.24	7.77
		For <135, Add	*22.85*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	115.62	7.98
		For <135, Add	*23.12*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	117.41	8.43
		For <135, Add	*23.48*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	124.30	8.43
		For <135, Add	*24.86*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	131.19	8.43
		For <135, Add	*26.24*	
10 22 43		**Sliding Partitions** *(10 22)*		
10 22 43 00-0001		Operable Wall *(10 22 43)*		
		Note: Includes top support track, assembled panel and frames.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	265.37	26.85
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.93*	
		For 49 STC, Add	*15.15*	
		For 52 STC, Add	*22.95*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	245.02	21.63
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.68*	
		For 49 STC, Add	*14.82*	
		For 52 STC, Add	*22.46*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	230.17	17.96
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.43*	
		For 49 STC, Add	*14.51*	
		For 52 STC, Add	*21.98*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	224.40	18.88
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.87*	
		For 49 STC, Add	*13.79*	
		For 52 STC, Add	*20.90*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	209.09	15.35
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.56*	
		For 49 STC, Add	*13.40*	
		For 52 STC, Add	*20.31*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	200.25	13.82
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.30*	
		For 49 STC, Add	*13.08*	
		For 52 STC, Add	*19.81*	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	198.46	14.88
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.98*	
		For 49 STC, Add	*12.66*	
		For 52 STC, Add	*19.19*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	187.00	12.74
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.66*	
		For 49 STC, Add	*12.26*	
		For 52 STC, Add	*18.58*	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	179.21	11.35
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.41*	
		For 49 STC, Add	*11.95*	
		For 52 STC, Add	*18.11*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	206.99	17.96
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.90*	
		For 49 STC, Add	*12.57*	
		For 52 STC, Add	*19.05*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	189.73	13.66
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.64*	
		For 49 STC, Add	*12.23*	
		For 52 STC, Add	*18.54*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	179.86	11.51
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.42*	
		For 49 STC, Add	*11.95*	
		For 52 STC, Add	*18.11*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	9.14	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.65	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.30*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.46	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.98	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.62*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.35	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.59*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	16.32	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.05*	
		For Recycled Vinyl Retainer, Deduct	*-1.15*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	17.88	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.13*	
		For Recycled Vinyl Retainer, Deduct	*-1.46*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	19.45	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.20*	
		For Recycled Vinyl Retainer, Deduct	*-1.77*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	22.38	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.35*	
		For Recycled Vinyl Retainer, Deduct	*-2.36*	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	31.53	8.46
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 200, Deduct	*-4.94*	
		For >200, Deduct	*-7.22*	
		For Recycled Vinyl Retainer, Deduct	*-3.48*	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.82	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.27*	
		For Up To 2 HR Fire Rated, Add	*7.17*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.54	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.46*	
		For Up To 2 HR Fire Rated, Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	22.94	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.38*	
		For Up To 2 HR Fire Rated, Add	*8.65*	
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	26.12	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.54*	
		For Up To 2 HR Fire Rated, Add	*10.88*	
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	52.63	8.46
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 200, Deduct	*-4.94*	
		For >200, Deduct	*-8.28*	
		For Up To 2 HR Fire Rated, Add	*26.96*	
10 26 13 00-0030		Flexible Vinyl Corner Guards *(10 26 13 00-0001)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*		
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	11.88	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.41*	
		For Bolting To Concrete Or Masonry, Add	*2.84*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.67	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.55*	
		For Bolting To Concrete Or Masonry, Add	*3.26*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.94	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.67*	
		For Bolting To Concrete Or Masonry, Add	*3.60*	
10 26 13 00-0036		Polycarbonate Corner Guards *(10 26 13)*		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	8.51	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.25*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.88	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.31*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.47	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.39*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.44	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	12.08	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.42*	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.44	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0046		Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	11.28	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.38*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	13.13	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.48*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	14.27	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.53*	
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	11.28	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.38*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	13.13	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.48*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	14.27	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.53*	
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.44	5.08
		For Galvanizing, Add	*2.09*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 200, Deduct	*-2.96*	
		For >200, Deduct	*-4.11*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.90	5.50
		For Galvanizing, Add	*3.06*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 200, Deduct	*-3.21*	
		For >200, Deduct	*-4.56*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.97	5.71
		For Galvanizing, Add	*3.31*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 200, Deduct	*-3.33*	
		For >200, Deduct	*-4.76*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.45	5.93
		For Galvanizing, Add	*3.35*	
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-4.92*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	23.61	6.14
		For Galvanizing, Add	*4.68*	
		For >50 To 100, Deduct	*-2.56*	
		For >100 To 200, Deduct	*-3.58*	
		For >200, Deduct	*-5.27*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	27.79	6.35
		For Galvanizing, Add	*6.02*	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-5.62*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	46.21	8.46
		For Galvanizing, Add	*11.24*	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 200, Deduct	*-4.94*	
		For >200, Deduct	*-7.95*	
10 26 13 00-0067		Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068		Stainless Steel Corner Guards *(10 26 13 00-0067)*		
		Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	12.33	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	13.96	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.52*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	18.19	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.73*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	18.19	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.73*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	18.19	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.73*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	18.19	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.73*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	22.28	5.08
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 200, Deduct	*-2.96*	
		For >200, Deduct	*-4.50*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	35.38	5.50
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 200, Deduct	*-3.21*	
		For >200, Deduct	*-5.44*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	48.33	5.71
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 200, Deduct	*-3.33*	
		For >200, Deduct	*-6.22*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	45.46	5.93
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-6.23*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	63.65	6.14
		For >50 To 100, Deduct	*-2.56*	
		For >100 To 200, Deduct	*-3.58*	
		For >200, Deduct	*-7.27*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	59.18	6.35
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-3.70*	
		For >200, Deduct	*-7.19*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	48.90	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-5.27*	
		For Bolting To Concrete Or Masonry, Add	*8.39*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	23.13	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.98*	
		For Bolting To Concrete Or Masonry, Add	*4.53*	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0097			Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098			90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
	10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	20.54	4.23
			For >50 To 100, Deduct	*-1.76*	
			For >100 To 200, Deduct	*-2.47*	
			For >200, Deduct	*-3.85*	
			For Bolting To Concrete Or Masonry, Add	*4.14*	

10 26 16 Bumper Guards *(10 26)*

10 26 16 13 Bumper Rails *(10 26 16)*

10 26 16 13-0001 Crash Rails *(10 26 16 13)*
Note: Includes end caps.

10 26 16 13-0002 Polycarbonate Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	14.70	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-5.25*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	15.91	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-5.31*	

10 26 16 13-0005 Aluminum Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	36.97	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-6.36*	

10 26 16 13-0007 Stainless Steel Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	62.66	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-7.65*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	49.81	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-7.01*	

10 26 16 13-0010 Wall Guards *(10 26 16 13)*

10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)*
Note: Includes end caps.

10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	14.70	4.94
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-4.69*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	17.69	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-5.40*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	18.89	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-5.46*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	19.54	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-5.49*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	22.91	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-5.94*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	23.01	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-5.95*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	23.59	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-5.98*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	27.91	6.35
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 200, Deduct	*-4.45*	
		For >200, Deduct	*-6.48*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0021		**D-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	18.80	4.94
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-4.89*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	26.70	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-5.85*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	37.81	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-6.41*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	51.80	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-7.11*	
10 26 16 13-0026		**Rectangular, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	40.43	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-6.82*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	50.33	6.35
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 200, Deduct	*-4.45*	
		For >200, Deduct	*-7.60*	
10 26 16 13-0029		**Wing Type, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	63.94	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-7.71*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	67.79	5.64
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.95*	
		For >200, Deduct	*-7.91*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	32.33	4.94
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-5.57*	
10 26 16 13-0033		**U-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	54.69	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-7.53*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	60.79	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-7.84*	
10 26 16 13-0036		**Accent Rails** *(10 26 16 13)*		
		Note: Includes end caps.		
10 26 16 13-0037		**Oval, Rigid Vinyl Accent Rails With Aluminum Retainers** *(10 26 16 13-0036)*		
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	16.80	4.94
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-4.79*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	16.82	4.94
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-4.79*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	22.74	4.94
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 200, Deduct	*-3.46*	
		For >200, Deduct	*-5.09*	
10 26 16 16		**Protective Corridor Handrails** *(10 26 16)*		
10 26 16 16-0001		**Protective Corridor Handrails** *(10 26 16 16)*		
10 26 16 16-0002		**Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers** *(10 26 16 16-0001)*		
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	37.23	10.58
		For >50 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-10.33*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	32.64	10.58
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-7.41*	
		For >100, Deduct	*-10.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	51.00	10.58
		For >50 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-11.01*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	41.82	10.58
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-7.41*	
		For >100, Deduct	*-10.56*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	53.29	10.58
		For >50 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-11.13*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	57.88	10.58
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-7.41*	
		For >100, Deduct	*-11.36*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	69.36	10.58
		For >50 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-11.93*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	76.24	10.58
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-7.41*	
		For >100, Deduct	*-12.28*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	92.31	10.58
		For >50 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-13.08*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	94.60	10.58
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-7.41*	
		For >100, Deduct	*-13.19*	

10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	34.46	8.83
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 200, Deduct	*-6.18*	
		For >200, Deduct	*-8.78*	
		For Maple, Add	*0.50*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	40.43	9.41
		For >50 To 100, Deduct	*-4.71*	
		For >100 To 200, Deduct	*-6.59*	
		For >200, Deduct	*-9.55*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	30.87	8.83
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 200, Deduct	*-6.18*	
		For >200, Deduct	*-8.60*	
		For Maple, Add	*5.68*	
		For Oak, Add	*6.35*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

10 26 23 13-0001 Impact Resistant Wall Protection *(10 26 23 13)*

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	9.61	3.53
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	9.92	3.53
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	11.72	3.53

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006 "L" Design *(10 26 23 13-0005)*

10 26 23 13-0007 L-Shield *(10 26 23 13-0006)*

10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	18.37	3.53
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Diameter Pipe	21.47	4.94
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Diameter Pipe	28.15	6.35
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Diameter Pipe	38.43	7.76

10 26 23 13-0012 "Combo" Hanger *(10 26 23 13-0006)*

10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Diameter Pipe	21.02	7.06
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Diameter Pipe	24.39	8.47
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Diameter Pipe	28.18	9.88
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Diameter Pipe	31.41	11.29
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Diameter Pipe	35.21	12.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0018		**Snap-2 Pipe Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Diameter Pipe	17.71	7.06
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Diameter Pipe	21.49	8.47
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Diameter Pipe	25.00	9.88
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Diameter Pipe	29.06	11.29
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Diameter Pipe	33.27	12.70
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	11.34	3.53
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	16.36	4.94
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	23.32	6.35
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	29.19	7.76
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	30.54	4.23
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	37.47	4.94
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	44.40	5.65
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	169.74	7.06
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	6.85	2.12
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	10.37	3.53
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	13.74	4.94
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	15.74	6.35
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	11.06	3.53
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	15.81	4.94
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	22.77	6.35
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	89.56	7.76
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	10.99	2.12
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	14.79	3.53
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	20.50	4.94
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	90.79	6.35
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	66.96	7.06
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	72.40	8.47
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	87.53	10.59
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	151.64	12.70
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	14.03	2.12
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	21.96	3.53
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Diameter Pipe	27.54	4.94
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Diameter Pipe	35.19	4.94
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Diameter Pipe	18.40	7.06
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Diameter Pipe	21.91	8.47
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Diameter Pipe	25.28	9.88
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Diameter Pipe	31.00	11.29
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Diameter Pipe	35.07	12.70
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Diameter Pipe	17.43	7.06
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Diameter Pipe	21.22	8.47
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Diameter Pipe	25.69	9.88
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Diameter Pipe	28.79	11.29
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Diameter Pipe	33.14	12.70
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	13.27	3.53
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	16.78	4.94
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	20.56	6.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	36.06	4.23
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	42.99	4.94
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	45.78	5.65
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	6.30	2.12
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	9.41	3.53
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	12.50	4.94
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	12.85	3.53
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	16.64	4.94
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	20.43	6.35
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	11.68	2.12
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	15.89	3.53
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	19.95	4.94
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	83.65	7.06
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	93.23	8.47
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	110.43	10.59
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	82.13	7.06
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	90.47	8.47
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	107.81	10.59
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	104.36	10.59
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	116.33	12.70
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	136.04	15.53
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	137.13	12.00
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	148.42	14.82
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	187.57	14.12
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	210.47	16.94
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	255.91	21.17
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	256.20	15.53
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	282.30	19.06
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	32.17	3.53
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	36.64	4.94
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	45.67	6.35
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	36.48	4.23
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	45.50	5.65
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	177.60	7.06
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	109.86	7.06
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	119.31	8.47
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	140.09	10.59
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	170.05	7.76
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	120.93	7.76
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	180.07	9.88
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	140.20	9.88
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	216.28	11.29
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	126.57	10.59
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	146.54	12.70
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	170.67	15.53
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	133.95	12.00
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	208.93	13.41
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	149.67	14.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	203.60	17.64
10 26 23 13-0138		Fittings (L Or U) *(10 26 23 13-0005)*		
10 26 23 13-0139		Hugger Hangers For Steel Pipe *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	1/2" Diameter Steel Pipe, Hugger Hanger	14.19	5.65
10 26 23 13-0141	EA	3/4" Diameter Steel Pipe, Hugger Hanger	17.71	7.06
10 26 23 13-0142	EA	1" Diameter Steel Pipe, Hugger Hanger	20.80	8.47
10 26 23 13-0143	EA	1-1/4" Diameter Steel Pipe, Hugger Hanger	24.04	9.88
10 26 23 13-0144	EA	1-1/2" Diameter Steel Pipe, Hugger Hanger	27.13	11.29
10 26 23 13-0145	EA	2" Diameter Steel Pipe, Hugger Hanger	30.51	11.29
10 26 23 13-0146	EA	2-1/2" Diameter Steel Pipe, Hugger Hanger	33.61	14.12
10 26 23 13-0147	EA	3" Diameter Steel Pipe, Hugger Hanger	41.53	15.53
10 26 23 13-0148		Hugger Hangers For Copper Pipe *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Diameter Copper Pipe, Hugger Hanger	14.33	5.65
10 26 23 13-0150	EA	3/4" Diameter Copper Pipe, Hugger Hanger	17.84	7.06
10 26 23 13-0151	EA	1" Diameter Copper Pipe, Hugger Hanger	20.94	8.47
10 26 23 13-0152	EA	1-1/4" Diameter Copper Pipe, Hugger Hanger	24.17	9.88
10 26 23 13-0153	EA	1-1/2" Diameter Copper Pipe, Hugger Hanger	27.27	11.29
10 26 23 13-0154	EA	2" Diameter Copper Pipe, Hugger Hanger	30.79	12.70
10 26 23 13-0155	EA	2-1/2" Diameter Copper Pipe, Hugger Hanger	33.89	14.12
10 26 23 13-0156	EA	3" Diameter Copper Pipe, Hugger Hanger	41.95	15.53
10 26 23 13-0157		Shield Extension (L Or U) *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	16.92	2.12
10 26 23 13-0159		Interior Steel Soffit System *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	32.75	6.35
		For 22 Gauge Steel, Add	*2.01*	
		For 20 Gauge Steel, Add	*4.29*	
		For 18 Gauge Steel, Add	*8.42*	
		For 16 Gauge Steel, Add	*12.93*	
		For Stainless Steel, Add	*5.01*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	53.56	17.64
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	129.01	21.17
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	40.66	10.59
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	9.25	4.23
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	37.01	6.35
		For 20 Gauge Steel, Add	*3.89*	
		For 22 Gauge Steel, Add	*1.82*	
		For 18 Gauge Steel, Add	*7.54*	
		For 16 Gauge Steel, Add	*12.64*	
		For Stainless Steel, Add	*6.08*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	53.56	17.64
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	129.01	21.17
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	35.02	7.76
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	9.25	4.23
		For Stainless Steel, Add	*0.20*	
10 26 41		**Bullet Resistant Panels** *(10 26)*		
10 26 41 00-0001		Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*		
		Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	23.85	1.99
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	32.31	2.13
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	36.46	2.27
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	38.81	2.41
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	42.01	2.55
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	45.19	2.69
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	75.86	3.26
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	108.87	5.11
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	129.19	6.10
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	156.29	6.67

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0001		**Toilet Accessories** *(10 28 13 13)*		
10 28 13 13-0002		**Dispensers** *(10 28 13 13-0001)*		
10 28 13 13-0003		**Paper Towel Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0004		**Stainless Steel Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	123.99	31.74
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	131.62	31.74
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	132.75	31.74
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	134.94	31.74
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	195.23	31.74
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	212.45	31.74
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	228.15	31.74
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	229.05	14.11
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	389.14	31.74
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	453.91	31.74
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	490.64	31.74
10 28 13 13-0016		**Plastic Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0017	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	97.98	31.74
10 28 13 13-0018	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	185.62	31.74
10 28 13 13-0019	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	184.44	31.74
10 28 13 13-0020		**Aluminum Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0021	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	105.62	31.74
10 28 13 13-0022		**Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0023		**Plastic Toilet Tissue Dispensers** *(10 28 13 13-0022)*		
10 28 13 13-0024	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	97.70	31.74
10 28 13 13-0025	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	114.93	31.74
10 28 13 13-0026		**Cast Aluminum Toilet Tissue Dispensers** *(10 28 13 13-0022)*		
10 28 13 13-0027	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	89.79	31.74
10 28 13 13-0028	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	90.35	31.74
10 28 13 13-0029	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	94.31	31.74
10 28 13 13-0030	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	101.66	31.74
10 28 13 13-0031	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	128.79	31.74
10 28 13 13-0032		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0022)*		
10 28 13 13-0033	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	78.76	31.74
10 28 13 13-0034	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	195.53	31.74
10 28 13 13-0035	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	120.46	31.74
10 28 13 13-0036	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	115.51	31.74
10 28 13 13-0037	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	124.13	31.74
10 28 13 13-0038	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	158.36	35.27
10 28 13 13-0039	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	124.13	31.74
10 28 13 13-0040	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	158.36	31.74
10 28 13 13-0041	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	169.36	31.74
10 28 13 13-0042	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	255.68	31.74
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	255.68	31.74
10 28 13 13-0044	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	115.69	31.74
10 28 13 13-0045	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	133.03	31.74
10 28 13 13-0046	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	89.21	31.74
10 28 13 13-0047	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	141.80	31.74
10 28 13 13-0048	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	196.90	31.74
10 28 13 13-0049	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	202.02	31.74
10 28 13 13-0050	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	255.15	31.74
10 28 13 13-0051	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	233.89	31.74
10 28 13 13-0052	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	360.40	31.74
10 28 13 13-0053	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	161.03	31.74
10 28 13 13-0054		**Soap or Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0055	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	114.10	31.74
		For 34 Fluid Ounce (B-822), Add	*5.42*	
10 28 13 13-0056	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	122.58	31.74
		For 34 Fluid Ounce (B-822), Add	*5.42*	
10 28 13 13-0057	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	81.87	31.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0058	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	87.80	31.74
10 28 13 13-0059	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	106.25	31.74
10 28 13 13-0060	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	108.70	31.74
10 28 13 13-0061	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	115.79	31.74
10 28 13 13-0062	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	142.65	31.74
10 28 13 13-0063	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	236.20	31.74
10 28 13 13-0064	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	366.52	31.74
10 28 13 13-0065	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	233.74	31.74
10 28 13 13-0066		Sanitizer Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0067		Manual Sanitizer Dispensers *(10 28 13 13-0066)*		
10 28 13 13-0068	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	95.49	31.74
10 28 13 13-0069	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	96.70	31.74
10 28 13 13-0070	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	96.32	31.74
10 28 13 13-0071		Automatic Sanitizer Dispensers *(10 28 13 13-0066)*		
10 28 13 13-0072	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	90.33	31.74
10 28 13 13-0073	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	112.94	31.74
10 28 13 13-0074	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	107.30	31.74
10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	114.21	31.74
10 28 13 13-0076	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	129.18	31.74
10 28 13 13-0077	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	129.89	31.74
10 28 13 13-0078		Automatic Floor Stand Sanitizer Dispensers *(10 28 13 13-0066)*		
10 28 13 13-0079	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	577.67	10.58
10 28 13 13-0080	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	620.96	10.58
10 28 13 13-0081	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	645.16	10.58
10 28 13 13-0082		Facial Tissue Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0083	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	129.37	31.74
10 28 13 13-0084	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	98.45	31.74
10 28 13 13-0085		Sanitary Toilet Seat Cover Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0086	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	80.73	31.74
10 28 13 13-0087	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	103.07	31.74
10 28 13 13-0088	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	173.47	31.74
10 28 13 13-0089	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	184.47	31.74
10 28 13 13-0090	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	348.15	31.74
10 28 13 13-0091		Sanitary Toilet Seat Cover/Toilet Tissue Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0092	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	542.81	31.74
10 28 13 13-0093	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	338.46	31.74
10 28 13 13-0094		Sanitary Napkin/Tampon Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	667.08	31.74
10 28 13 13-0096	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	510.45	31.74
10 28 13 13-0097	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	675.70	31.74
10 28 13 13-0098	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	517.49	31.74
10 28 13 13-0099	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	456.92	31.74
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	595.00	31.74
10 28 13 13-0101		Toilet Compartment Combination Dispenser/Disposals *(10 28 13 13-0002)*		
10 28 13 13-0102	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	490.61	70.54
10 28 13 13-0103	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	544.50	70.54
10 28 13 13-0104	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	456.36	70.54
10 28 13 13-0105	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	631.02	70.54
10 28 13 13-0106	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	647.69	70.54
10 28 13 13-0107	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	740.71	70.54
10 28 13 13-0108	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	696.22	70.54
10 28 13 13-0109		Receptacles *(10 28 13 13-0001)*		
10 28 13 13-0110		Wall Mounted Waste Receptacles *(10 28 13 13-0109)*		
10 28 13 13-0111	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	115.75	31.74
10 28 13 13-0112	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	183.64	31.74

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10 28 13 13-0113	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	423.23	70.54
10 28 13 13-0114	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	614.34	70.54
10 28 13 13-0115	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	492.49	70.54

10 28 13 13-0116 Floor-Standing/Counter Waste Receptacles *(10 28 13 13-0109)*

10 28 13 13-0117	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	134.31	31.74
10 28 13 13-0118	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	186.75	31.74
10 28 13 13-0119	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	337.63	14.11
10 28 13 13-0120	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	507.83	14.11
10 28 13 13-0121	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	476.11	14.11
10 28 13 13-0122	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	458.07	14.11

10 28 13 13-0123 Combination Paper Towel Dispenser/ Waste Receptacle *(10 28 13 13-0109)*

10 28 13 13-0124	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	355.38	70.54
10 28 13 13-0125	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	554.12	70.54
10 28 13 13-0126	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	546.21	70.54
10 28 13 13-0127	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	781.00	70.54
10 28 13 13-0128	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,064.47	70.54
10 28 13 13-0129	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	904.12	70.54
10 28 13 13-0130	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	703.42	70.54
10 28 13 13-0131	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,121.80	70.54
10 28 13 13-0132	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,042.34	77.60
10 28 13 13-0133	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	711.00	77.60

10 28 13 13-0134 Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0109)*

10 28 13 13-0135	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	109.27	35.27
10 28 13 13-0136	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	202.52	35.27
10 28 13 13-0137	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	218.96	35.27
10 28 13 13-0138	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	490.93	35.27
10 28 13 13-0139	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	267.58	35.27
10 28 13 13-0140	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	457.29	35.27

10 28 13 13-0141 Grab Bars *(10 28 13 13-0001)*

10 28 13 13-0142 1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0141)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0143	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	104.33	28.22
		For Peened Grip, Add	*4.95*	
10 28 13 13-0144	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	118.38	28.22
		For Peened Grip, Add	*6.21*	
10 28 13 13-0145	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	119.79	28.22
		For Peened Grip, Add	*6.34*	
10 28 13 13-0146	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	120.45	28.22
		For Peened Grip, Add	*6.40*	
10 28 13 13-0147	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	120.63	28.22
		For Peened Grip, Add	*6.41*	
10 28 13 13-0148	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	124.03	28.22
		For Peened Grip, Add	*6.72*	
10 28 13 13-0149	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	129.39	28.22
		For Peened Grip, Add	*7.20*	

10 28 13 13-0150 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0141)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0151	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	193.00	28.22
		For Peened Grip, Add	*12.29*	
10 28 13 13-0152	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	196.66	28.22
		For Peened Grip, Add	*12.62*	

10 28 13 13-0153 1-1/2" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0141)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0154	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	117.20	28.22
		For Peened Grip, Add	*6.10*	
10 28 13 13-0155	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	118.38	28.22
		For Peened Grip, Add	*6.21*	
10 28 13 13-0156	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	120.63	28.22
		For Peened Grip, Add	*6.41*	
10 28 13 13-0157	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	122.90	28.22
		For Peened Grip, Add	*6.62*	
10 28 13 13-0158	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	125.72	28.22
		For Peened Grip, Add	*6.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0159	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	128.27	28.22
		For Peened Grip, Add	*7.10*	
10 28 13 13-0160	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	134.49	28.22
		For Peened Grip, Add	*7.66*	
10 28 13 13-0161		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0141)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0162	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	177.72	28.22
		For Peened Grip, Add	*10.92*	
10 28 13 13-0163	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	189.89	28.22
		For Peened Grip, Add	*12.01*	
10 28 13 13-0164	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	166.98	28.22
		For Peened Grip, Add	*9.95*	
10 28 13 13-0165		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0141)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0166	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	491.55	28.22
		For Peened Grip, Add	*39.80*	
10 28 13 13-0167		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0168	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	136.14	31.74
10 28 13 13-0169	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	139.54	31.74
10 28 13 13-0170	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	155.09	31.74
10 28 13 13-0171	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	159.00	31.74
10 28 13 13-0172	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	152.84	31.74
10 28 13 13-0173	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	154.68	31.74
10 28 13 13-0174	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	163.85	31.74
10 28 13 13-0175	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	177.13	31.74
10 28 13 13-0176	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	205.21	31.74
10 28 13 13-0177	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	164.13	31.74
10 28 13 13-0178	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	166.96	31.74
10 28 13 13-0179	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	191.85	31.74
10 28 13 13-0180	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	203.07	31.74
10 28 13 13-0181	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	220.38	31.74
10 28 13 13-0182	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	267.47	31.74
10 28 13 13-0183	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	353.27	31.74
10 28 13 13-0184	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	175.77	31.74
10 28 13 13-0185		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0186	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	485.72	42.32
10 28 13 13-0187	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	513.02	42.32
10 28 13 13-0188	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,981.13	42.32
10 28 13 13-0189	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,293.72	42.32
10 28 13 13-0190	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,981.13	42.32
10 28 13 13-0191	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,293.72	42.32
10 28 13 13-0192		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0193	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	616.75	56.43
10 28 13 13-0194	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	794.86	56.43
10 28 13 13-0195	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat.	2,180.02	56.43
10 28 13 13-0196	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,891.43	
10 28 13 13-0197		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0198	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	75.73	31.74
10 28 13 13-0199	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	77.70	31.74
10 28 13 13-0200	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	129.90	31.74
10 28 13 13-0201	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	139.80	31.74
10 28 13 13-0202		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0203	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.70	1.41
10 28 13 13-0204	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	56.78	14.11
10 28 13 13-0205	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	59.19	14.11
10 28 13 13-0206	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	103.35	31.74
10 28 13 13-0207	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	109.58	31.74
10 28 13 13-0208	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	117.21	31.74
10 28 13 13-0209	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	126.54	31.74
10 28 13 13-0210	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	92.61	31.74
10 28 13 13-0211	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	99.96	31.74
10 28 13 13-0212	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	104.20	31.74
10 28 13 13-0213	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	109.58	31.74
10 28 13 13-0214	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	95.72	31.74
10 28 13 13-0215	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	101.94	31.74
10 28 13 13-0216	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	109.28	31.74
10 28 13 13-0217	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	114.38	31.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0218		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0219	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	583.97	40.06
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	625.51	40.06
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	688.28	40.06
10 28 13 13-0222	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	956.23	40.06
10 28 13 13-0223	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	605.18	40.06
10 28 13 13-0224	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	663.37	40.06
10 28 13 13-0225	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,432.07	40.06
10 28 13 13-0226	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,530.82	40.06
10 28 13 13-0227	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,636.15	40.06
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	740.58	40.06
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,844.43	40.06
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,078.97	40.06
10 28 13 13-0231	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,373.98	40.06
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,448.67	40.06
10 28 13 13-0233	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,491.35	40.06
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,534.03	40.06
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,619.38	40.06
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,117.92	40.06
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,192.60	40.06
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,235.28	40.06
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,277.96	40.06
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	1,363.32	40.06
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	1,117.92	40.06
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	1,192.60	40.06
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	1,235.28	40.06
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	1,277.96	40.06
10 28 13 13-0245	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	1,363.32	40.06
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	819.17	40.06
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	893.86	40.06
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	936.54	40.06
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	979.21	40.06
10 28 13 13-0250	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	1,064.57	40.06
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	819.17	40.06
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	893.86	40.06
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	936.54	40.06
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	979.21	40.06
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,064.57	40.06
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	605.78	40.06
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	680.47	40.06
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	765.82	40.06
10 28 13 13-0259		**Hand Dryers (Excel XLERATOR®)** *(10 28 13 13-0001)* Note: With or without noise reduction nozzle options.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,147.80	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,600.55	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,340.05	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,665.68	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,437.74	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,763.37	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,437.74	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,763.37	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,340.05	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,665.68	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,209.80	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,535.43	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,147.80	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,600.55	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,340.05	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,665.68	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,437.74	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,763.37	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,437.74	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,763.37	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,340.05	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,665.68	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,209.80	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,535.43	40.06
		For ADA-Compliant Recess Kit, Add	*186.10*	

10 28 13 13-0284 Additional Accessories *(10 28 13 13-0001)*

10 28 13 13-0285 Hooks *(10 28 13 13-0284)*

10 28 13 13-0286	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	37.55	14.11
10 28 13 13-0287	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	43.77	14.11
10 28 13 13-0288	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	38.11	14.11
10 28 13 13-0289	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	40.89	14.11
10 28 13 13-0290	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	58.46	14.11

10 28 13 13-0291 Clotheslines *(10 28 13 13-0284)*

10 28 13 13-0292	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	65.64	28.22

10 28 13 13-0293 Towel Bars *(10 28 13 13-0284)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0294	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	81.43	31.74
10 28 13 13-0295	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	81.65	31.74
10 28 13 13-0296	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	89.94	31.74
10 28 13 13-0297	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	90.73	31.74
10 28 13 13-0298	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	127.10	31.74
10 28 13 13-0299	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	131.90	31.74
10 28 13 13-0300	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	130.78	31.74
10 28 13 13-0301	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)	134.73	31.74
10 28 13 13-0302	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	141.81	31.74
10 28 13 13-0303	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	146.01	31.74
10 28 13 13-0304	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	110.99	31.74
10 28 13 13-0305	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	114.66	31.74
10 28 13 13-0306		**Towel Bar With Shelf** *(10 28 13 13-0284)*		
10 28 13 13-0307	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	234.53	31.74
10 28 13 13-0308		**Towel Pins** *(10 28 13 13-0284)*		
10 28 13 13-0309	EA	Stainless Steel Towel Pin (Bobrick B-677)	62.15	14.11
10 28 13 13-0310		**Mirrors** *(10 28 13 13)*		
10 28 13 13-0311		**Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0310)*		
10 28 13 13-0312	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	141.84	35.27
10 28 13 13-0313	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	159.68	35.27
10 28 13 13-0314	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	165.86	35.27
		For Tempered Glass (B-1658), Add	*51.91*	
10 28 13 13-0315	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	178.54	35.27
		For Tempered Glass (B-1658), Add	*60.79*	
10 28 13 13-0316	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	194.80	35.27
10 28 13 13-0317	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	201.64	35.27
		For Tempered Glass (B-1658), Add	*76.96*	
10 28 13 13-0318	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	246.52	35.27
10 28 13 13-0319	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	283.28	35.27
10 28 13 13-0320	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	339.45	35.27
10 28 13 13-0321	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	424.76	35.27
10 28 13 13-0322	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	476.59	35.27
10 28 13 13-0323		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0310)*		
10 28 13 13-0324	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	254.97	35.27
10 28 13 13-0325	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	274.16	35.27
10 28 13 13-0326	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	286.85	35.27
10 28 13 13-0327	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	322.63	35.27
10 28 13 13-0328		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0310)*		
10 28 13 13-0329	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	227.94	35.27
10 28 13 13-0330	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	249.12	35.27
		For Tempered Glass (B-2908), Add	*103.90*	
10 28 13 13-0331	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	256.27	35.27
		For Tempered Glass (B-2908), Add	*108.62*	
10 28 13 13-0332	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	298.56	35.27
10 28 13 13-0333	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	300.18	35.27
		For Tempered Glass (B-2908), Add	*137.60*	
10 28 13 13-0334	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	398.08	35.27
10 28 13 13-0335	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	466.38	35.27
10 28 13 13-0336	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	530.14	35.27
10 28 13 13-0337	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	356.52	35.27
10 28 13 13-0338	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	432.52	35.27
10 28 13 13-0339	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	657.34	35.27
10 28 13 13-0340		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0310)*		
10 28 13 13-0341	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	235.35	35.27
10 28 13 13-0342	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	455.00	35.27
10 28 13 13-0343	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	476.48	35.27
10 28 13 13-0344	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	530.14	35.27
10 28 13 13-0345		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0310)*		
10 28 13 13-0346	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	254.32	35.27
10 28 13 13-0347	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	326.19	35.27
10 28 13 13-0348		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0310)*		
10 28 13 13-0349	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	342.46	35.27
10 28 13 13-0350	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	356.46	35.27
10 28 13 13-0351	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	429.64	35.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0352	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	526.23	35.27
10 28 13 13-0353		Medicine Cabinets *(10 28 13 13)*		
10 28 13 13-0354		Metal Medicine Cabinets *(10 28 13 13-0353)*		
10 28 13 13-0355	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	278.59	70.54
10 28 13 13-0356	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	284.00	70.54
10 28 13 13-0357	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	292.05	70.54
10 28 13 13-0358	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	598.79	70.54
10 28 13 13-0359	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	809.41	70.54
10 28 13 13-0360		Janitorial Material *(10 28 13 13)*		
10 28 13 13-0361	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	58.46	14.11
10 28 13 13-0362	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	150.00	31.74
10 28 13 13-0363	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	144.92	31.74
10 28 13 13-0364	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	162.82	31.74
10 28 13 13-0365	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	180.53	31.74
10 28 13 13-0366	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	125.04	31.74
10 28 13 13-0367	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	323.58	31.74
10 28 13 13-0368	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	460.14	31.74
10 28 13 13-0369		Removal And Reinstallation Of Bathroom Accessories *(10 28 13 13)*		
10 28 13 13-0370	EA	Removal And Reinstallation Of Bathroom Accessory	44.09	
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Residential Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	144.44	31.74
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	209.20	31.74
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	222.37	31.74
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	150.02	31.74
10 28 16 13-0007		Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	94.92	21.16
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	109.60	21.16
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	109.60	21.16
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	224.05	21.16
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	187.12	21.16
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	122.20	28.22
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	123.84	28.22
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	91.30	21.16
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	80.82	14.11
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	94.92	21.16
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	193.34	21.16
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	114.67	21.16
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	121.32	14.11
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	373.30	21.16
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	179.91	21.16
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	98.53	21.16
10 28 16 13-0024		Residential Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0025	EA	Surface Mounted Plastic Paper Towel Dispenser	128.94	31.74
10 28 16 13-0026	EA	Surface Mounted Plastic Napkin Disposal	114.49	31.74
10 28 16 13-0027	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	119.59	
10 28 16 13-0028	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	134.89	31.74
10 28 16 13-0029	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	128.99	31.74
10 28 16 13-0030	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	158.01	38.80
10 28 16 13-0031	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	88.77	28.22
10 28 16 13-0032	EA	13 Gallon Plastic Waste Door For Countertops	301.32	52.91
10 28 16 13-0033		Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)* Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0034	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	352.81	70.54
10 28 16 13-0035	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	456.37	70.54
10 28 16 13-0036	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	369.34	70.54
10 28 16 13-0037	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	478.92	70.54
10 28 16 13-0038	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	379.76	70.54
10 28 16 13-0039	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	498.72	70.54
10 28 16 13-0040	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	394.08	70.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0041	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	522.93	70.54

10 28 19 Tub and Shower Enclosures *(10 28)*

10 28 19 16 Shower Doors *(10 28 19)*

10 28 19 16-0001 Swinging Shower Doors *(10 28 19 16)*

10 28 19 16-0002 Framed, Swinging Shower Doors *(10 28 19 16-0001)*

10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	607.61	78.27
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	637.16	39.14
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	759.74	39.14
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	634.02	39.14
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	675.88	39.14

10 28 19 16-0008 Sliding Shower Doors *(10 28 19 16)*

10 28 19 16-0009 Framed, Sliding Shower Doors *(10 28 19 16-0008)*

10 28 19 16-0010	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	1,010.91	39.14
10 28 19 16-0011	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	928.00	39.14
10 28 19 16-0012	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	950.33	39.14
10 28 19 16-0013	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	974.08	39.14
10 28 19 16-0014	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	987.33	39.14
10 28 19 16-0015	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	1,006.94	39.14

10 28 19 19 Tub Doors *(10 28 19)*

10 28 19 19-0001 Sliding Bathtub Doors *(10 28 19 19)*

10 28 19 19-0002 Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	903.07	39.14
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	912.63	39.14
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	934.23	39.14

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,773.71	45.85
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.25*	
		For Swing Key Hook Panel, Add	*159.25*	
		For Non-Locking Weather Housing, Add	*400.75*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,880.12	45.85
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.25*	
		For Swing Key Hook Panel, Add	*159.25*	
		For Second Swing Key Hook Panel, Add	*126.25*	
		For Non-Locking Weather Housing, Add	*400.75*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	890.55	45.85
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	784.14	45.85
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.25*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,044.84	45.85
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.25*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,111.34	45.85
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.25*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	458.81	57.84
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	466.60	57.84
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	468.15	57.84
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	516.44	57.84
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	642.61	57.84
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	659.74	57.84

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	439.69	57.84
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	445.78	57.84
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	455.93	57.84
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	473.18	57.84
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	526.43	57.84
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	542.67	57.84

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	595.90	57.84
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	609.67	57.84
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	616.56	57.84
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	663.61	57.84
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	758.30	57.84
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	786.99	57.84

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,786.82	57.84
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,799.99	57.84
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	2,068.48	57.84

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	560.05	57.84
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	619.24	57.84

10 44 13 00-0031 Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0032 Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	500.86	57.84
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	516.44	57.84
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	518.00	57.84
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	570.96	57.84
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	676.88	57.84
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	694.01	57.84

10 44 13 00-0039 Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	484.82	57.84
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	500.04	57.84
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	509.18	57.84
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	526.43	57.84
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	586.32	57.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	600.53	57.84
10 44 13 00-0046		**Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	656.17	57.84
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	672.24	57.84
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	679.12	57.84
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	714.70	57.84
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	803.06	57.84
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	822.57	57.84
10 44 13 00-0053		**Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,255.71	57.84
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,266.76	57.84
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,600.25	57.84
10 44 13 00-0057		**Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	616.13	57.84
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	672.20	57.84
10 44 13 00-0060		**Surface Mounted Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0061		**Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	488.40	57.84
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	497.75	57.84
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	572.51	57.84
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	664.41	57.84
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	689.34	57.84
10 44 13 00-0067		**Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	581.25	57.84
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	594.44	57.84
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	623.88	57.84
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	681.74	57.84
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	706.10	57.84
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	756.01	57.84
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	777.81	57.84
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	831.75	57.84
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	936.18	57.84
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	968.31	57.84
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,589.84	57.84
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,920.78	57.84
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	581.86	57.84
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	650.40	57.84
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	890.27	57.84
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	47.23	17.64
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	43.05	17.64
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	40.50	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	124.35	35.27
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	238.02	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	261.82	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	357.03	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	487.94	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	571.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	138.05	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	142.81	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	190.42	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	345.13	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	349.89	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	130.71	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	137.25	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	185.17	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	326.78	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	331.13	

10 44 13 00-0106 Fire Hose Cabinets *(10 44 13)*

Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.

10 44 13 00-0107 Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	784.09	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	796.38	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	806.62	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	816.87	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	829.15	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	861.90	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	872.15	209.84
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	840.84	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	860.64	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	863.21	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	871.44	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	882.24	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	912.83	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	943.43	209.84
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,075.74	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,178.18	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,188.04	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,219.56	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,229.41	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,280.63	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,331.86	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	816.87	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	829.15	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	839.37	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	851.66	209.84
		For Solid Steel Door, Deduct	*-8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	861.90	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	894.65	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	906.93	209.84
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	860.64	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	882.24	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	885.32	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	891.24	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	902.03	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	932.63	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	963.23	209.84
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,136.81	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,249.11	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,258.96	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,290.48	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,300.33	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,351.56	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,402.78	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	829.15	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	839.37	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	851.66	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	861.90	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	872.15	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	906.93	209.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	917.18	209.84
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	912.83	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	932.63	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	937.77	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	943.43	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	952.43	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	984.83	209.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	1,004.63	209.84
		For Solid Aluminum Door, Add	*6.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0174		Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)* Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,219.56	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,546.61	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,629.35	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,649.05	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,668.76	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,751.50	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,853.95	209.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 16		**Fire Extinguishers** *(10 44)*		
10 44 16 13		**Portable Fire Extinguishers** *(10 44 16)* Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001		Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*		
10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	189.23	18.34
		For >5 To 10, Deduct	*-4.76*	
		For >10, Deduct	*-9.52*	
		For Placement In Cabinet, Deduct	*-47.03*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	265.81	21.16
		For >5 To 10, Deduct	*-7.86*	
		For >10, Deduct	*-15.73*	
		For Placement In Cabinet, Deduct	*-54.26*	
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	345.72	26.81
		For >5 To 10, Deduct	*-10.23*	
		For >10, Deduct	*-20.46*	
		For Placement In Cabinet, Deduct	*-70.54*	
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	426.64	33.86
		For >5 To 10, Deduct	*-12.51*	
		For >10, Deduct	*-25.03*	
		For Placement In Cabinet, Deduct	*-88.18*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	467.53	33.86
		For >5 To 10, Deduct	*-14.56*	
		For >10, Deduct	*-29.12*	
		For Placement In Cabinet, Deduct	*-88.18*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,397.43	53.61
		For >5 To 10, Deduct	*-55.76*	
		For >10, Deduct	*-111.53*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,640.49	53.61
		For >5 To 10, Deduct	*-117.92*	
		For >10, Deduct	*-235.83*	
10 44 16 13-0009		Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*		
10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	130.35	18.34
		For >5 To 10, Deduct	*-1.81*	
		For >10, Deduct	*-3.63*	
		For Placement In Cabinet, Deduct	*-47.03*	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	159.98	21.16
		For >5 To 10, Deduct	*-2.57*	
		For >10, Deduct	*-5.15*	
		For Placement In Cabinet, Deduct	*-54.26*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	223.01	26.81
		For >5 To 10, Deduct	*-4.10*	
		For >10, Deduct	*-8.19*	
		For Placement In Cabinet, Deduct	*-70.54*	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	305.30	33.86
		For >5 To 10, Deduct	*-6.45*	
		For >10, Deduct	*-12.90*	
		For Placement In Cabinet, Deduct	*-88.18*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,654.56	53.61
		For >5 To 10, Deduct	*-68.62*	
		For >10, Deduct	*-137.24*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,406.18	53.61
		For >5 To 10, Deduct	*-106.20*	
		For >10, Deduct	*-212.40*	
10 44 16 13-0016		Other Portable Fire Extinguishers *(10 44 16 13)*		
10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	214.07	21.16
		For >5 To 10, Deduct	*-5.28*	
		For >10, Deduct	*-10.56*	
		For Placement In Cabinet, Deduct	*-54.26*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	328.69	33.86
		For >5 To 10, Deduct	*-7.62*	
		For >10, Deduct	*-15.23*	
		For Placement In Cabinet, Deduct	*-88.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	345.28	33.86
		For >5 To 10, Deduct	*-8.45*	
		For >10, Deduct	*-16.89*	
		For Placement In Cabinet, Deduct	*-88.18*	
10 44 16 13-0020	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	459.93	33.86
		For >5 To 10, Deduct	*-14.18*	
		For >10, Deduct	*-28.36*	
10 44 16 13-0021		Fire Extinguisher Backboards *(10 44 16 13)*		
10 44 16 13-0022		Fire Extinguisher Backboards *(10 44 16 13-0021)* Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	163.12	24.12
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	212.79	
10 44 16 13-0025		Inspections And Testing *(10 44 16 13)*		
10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.61	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	11.19	
10 44 19		**Fire Blankets** *(10 44)*		
10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	569.87	57.84
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	421.90	57.84

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001		Institutional And Corridor Lockers *(10 51 13)* Note: Price per frame. Powder coated enamel paint. 24 gauge tops, bottoms, backs and sides. Doors less than 12" are 18 gauge. Doors 12" and wider are 16 gauge. Includes number plate and single point lock with silencers. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002		Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)* Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	292.43	43.74
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-21.81*	
		For >100, Deduct	*-33.37*	
		For 14 Gauge Doors, Add	*16.40*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	303.29	43.74
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-10.79*	
		For >50 To 100, Deduct	*-22.89*	
		For >100, Deduct	*-35.00*	
		For 14 Gauge Doors, Add	*17.27*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	318.14	43.74
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-11.53*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-37.22*	
		For 14 Gauge Doors, Add	*18.45*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	317.79	45.15
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-11.38*	
		For >50 To 100, Deduct	*-24.10*	
		For >100, Deduct	*-36.83*	
		For 14 Gauge Doors, Add	*18.20*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	326.79	45.15
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-11.83*	
		For >50 To 100, Deduct	*-25.00*	
		For >100, Deduct	*-38.18*	
		For 14 Gauge Doors, Add	*18.92*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	335.57	45.15
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-12.26*	
		For >50 To 100, Deduct	*-25.88*	
		For >100, Deduct	*-39.50*	
		For 14 Gauge Doors, Add	*19.62*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	350.72	45.15
		For 16 Gauge Bottom, Add	*6.65*	
		For >25 To 50, Deduct	*-13.02*	
		For >50 To 100, Deduct	*-27.40*	
		For >100, Deduct	*-41.77*	
		For 14 Gauge Doors, Add	*20.83*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0010 EA 15" x 18" x 72" Single Tier Institutional Or Corridor Locker	365.71	45.15
For 16 Gauge Bottom, Add	*6.65*	
For >25 To 50, Deduct	*-13.77*	
For >50 To 100, Deduct	*-28.90*	
For >100, Deduct	*-44.02*	
For 14 Gauge Doors, Add	*22.03*	
10 51 13 00-0011 EA 18" x 18" x 72" Single Tier Institutional Or Corridor Locker	381.60	45.15
For 16 Gauge Bottom, Add	*8.10*	
For >25 To 50, Deduct	*-14.57*	
For >50 To 100, Deduct	*-30.49*	
For >100, Deduct	*-46.41*	
For 14 Gauge Doors, Add	*23.30*	
10 51 13 00-0012 EA 18" x 21" x 72" Single Tier Institutional Or Corridor Locker	396.26	45.15
For 16 Gauge Bottom, Add	*8.10*	
For >25 To 50, Deduct	*-15.30*	
For >50 To 100, Deduct	*-31.95*	
For >100, Deduct	*-48.60*	
For 14 Gauge Doors, Add	*24.48*	
10 51 13 00-0013 EA 24" x 24" x 72" Single Tier Institutional Or Corridor Locker	530.25	45.15
For 16 Gauge Bottom, Add	*11.50*	
For >25 To 50, Deduct	*-22.00*	
For >50 To 100, Deduct	*-45.35*	
For >100, Deduct	*-68.70*	
For 14 Gauge Doors, Add	*35.20*	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0015 EA 12" x 12" x 60" Two Tier Institutional Or Corridor Locker	343.13	45.15
For 16 Gauge Bottom, Add Per Frame	*11.60*	
For >25 To 50, Deduct	*-12.64*	
For >50 To 100, Deduct	*-26.64*	
For >100, Deduct	*-40.63*	
For 14 Gauge Doors, Add	*27.81*	
10 51 13 00-0016 EA 12" x 15" x 60" Two Tier Institutional Or Corridor Locker	349.97	45.15
For 16 Gauge Bottom, Add Per Frame	*11.60*	
For >25 To 50, Deduct	*-12.98*	
For >50 To 100, Deduct	*-27.32*	
For >100, Deduct	*-41.66*	
For 14 Gauge Doors, Add	*28.56*	
10 51 13 00-0017 EA 12" x 18" x 60" Two Tier Institutional Or Corridor Locker	356.87	45.15
For 16 Gauge Bottom, Add Per Frame	*11.60*	
For >25 To 50, Deduct	*-13.33*	
For >50 To 100, Deduct	*-28.01*	
For >100, Deduct	*-42.70*	
For 14 Gauge Doors, Add	*29.32*	
10 51 13 00-0018 EA 12" x 12" x 72" Two Tier Institutional Or Corridor Locker	358.52	46.56
For 16 Gauge Bottom, Add Per Frame	*11.60*	
For >25 To 50, Deduct	*-13.27*	
For >50 To 100, Deduct	*-27.94*	
For >100, Deduct	*-42.60*	
For 14 Gauge Doors, Add	*29.19*	
10 51 13 00-0019 EA 12" x 15" x 72" Two Tier Institutional Or Corridor Locker	373.48	46.56
For 16 Gauge Bottom, Add Per Frame	*11.60*	
For >25 To 50, Deduct	*-14.02*	
For >50 To 100, Deduct	*-29.43*	
For >100, Deduct	*-44.85*	
For 14 Gauge Doors, Add	*30.84*	
10 51 13 00-0020 EA 12" x 18" x 72" Two Tier Institutional Or Corridor Locker	382.51	46.56
For 16 Gauge Bottom, Add Per Frame	*11.60*	
For >25 To 50, Deduct	*-14.47*	
For >50 To 100, Deduct	*-30.34*	
For >100, Deduct	*-46.20*	
For 14 Gauge Doors, Add	*31.83*	
10 51 13 00-0021 EA 15" x 15" x 72" Two Tier Institutional Or Corridor Locker	395.45	46.56
For 16 Gauge Bottom, Add Per Frame	*13.30*	
For >25 To 50, Deduct	*-15.12*	
For >50 To 100, Deduct	*-31.63*	
For >100, Deduct	*-48.14*	
For 14 Gauge Doors, Add	*33.26*	
10 51 13 00-0022 EA 15" x 18" x 72" Two Tier Institutional Or Corridor Locker	408.44	46.56
For 16 Gauge Bottom, Add Per Frame	*13.30*	
For >25 To 50, Deduct	*-15.77*	
For >50 To 100, Deduct	*-32.93*	
For >100, Deduct	*-50.09*	
For 14 Gauge Doors, Add	*34.69*	
10 51 13 00-0023 EA 18" x 18" x 72" Two Tier Institutional Or Corridor Locker	467.26	46.56
For 16 Gauge Bottom, Add Per Frame	*16.20*	
For >25 To 50, Deduct	*-18.71*	
For >50 To 100, Deduct	*-38.81*	
For >100, Deduct	*-58.91*	
For 14 Gauge Doors, Add	*41.16*	
10 51 13 00-0024 EA 18" x 21" x 72" Two Tier Institutional Or Corridor Locker	477.94	46.56
For 16 Gauge Bottom, Add Per Frame	*16.20*	
For >25 To 50, Deduct	*-19.24*	
For >50 To 100, Deduct	*-39.88*	
For >100, Deduct	*-60.52*	
For 14 Gauge Doors, Add	*42.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0025		**Three Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	401.05	47.97
		For 16 Gauge Bottom, Add Per Frame	*17.40*	
		For >25 To 50, Deduct	*-15.26*	
		For >50 To 100, Deduct	*-31.95*	
		For >100, Deduct	*-48.64*	
		For 14 Gauge Doors, Add	*45.77*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	408.08	47.97
		For 16 Gauge Bottom, Add Per Frame	*17.40*	
		For >25 To 50, Deduct	*-15.61*	
		For >50 To 100, Deduct	*-32.65*	
		For >100, Deduct	*-49.70*	
		For 14 Gauge Doors, Add	*46.82*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	433.04	47.97
		For 16 Gauge Bottom, Add Per Frame	*17.40*	
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-35.15*	
		For >100, Deduct	*-53.44*	
		For 14 Gauge Doors, Add	*50.57*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	456.95	47.97
		For 16 Gauge Bottom, Add Per Frame	*19.95*	
		For >25 To 50, Deduct	*-18.05*	
		For >50 To 100, Deduct	*-37.54*	
		For >100, Deduct	*-57.03*	
		For 14 Gauge Doors, Add	*54.15*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	475.99	47.97
		For 16 Gauge Bottom, Add Per Frame	*19.95*	
		For >25 To 50, Deduct	*-19.00*	
		For >50 To 100, Deduct	*-39.44*	
		For >100, Deduct	*-59.89*	
		For 14 Gauge Doors, Add	*57.01*	
10 51 13 00-0031		**Four Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	394.48	49.38
		For 16 Gauge Bottom, Add Per Frame	*23.20*	
		For >25 To 50, Deduct	*-14.79*	
		For >50 To 100, Deduct	*-31.05*	
		For >100, Deduct	*-47.32*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	406.74	49.38
		For 16 Gauge Bottom, Add Per Frame	*23.20*	
		For >25 To 50, Deduct	*-15.40*	
		For >50 To 100, Deduct	*-32.28*	
		For >100, Deduct	*-49.16*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	426.46	49.38
		For 16 Gauge Bottom, Add Per Frame	*23.20*	
		For >25 To 50, Deduct	*-16.39*	
		For >50 To 100, Deduct	*-34.25*	
		For >100, Deduct	*-52.12*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	442.24	49.38
		For 16 Gauge Bottom, Add Per Frame	*26.60*	
		For >25 To 50, Deduct	*-17.17*	
		For >50 To 100, Deduct	*-35.83*	
		For >100, Deduct	*-54.48*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	464.96	49.38
		For 16 Gauge Bottom, Add Per Frame	*26.60*	
		For >25 To 50, Deduct	*-18.31*	
		For >50 To 100, Deduct	*-38.10*	
		For >100, Deduct	*-57.89*	
10 51 13 00-0037		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	428.14	50.79
		For 16 Gauge Bottom, Add Per Frame	*34.80*	
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-34.18*	
		For >100, Deduct	*-52.03*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	437.59	50.79
		For 16 Gauge Bottom, Add Per Frame	*34.80*	
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-53.45*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	455.44	50.79
		For 16 Gauge Bottom, Add Per Frame	*34.80*	
		For >25 To 50, Deduct	*-17.69*	
		For >50 To 100, Deduct	*-36.91*	
		For >100, Deduct	*-56.13*	
10 51 13 00-0041		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	770.52	33.86
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,237.90	70.54
10 51 13 00-0044		**All-Welded Steel Lockers** *(10 51 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0045		**All-Welded Steel Lockers** *(10 51 13 00-0044)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	196.13	24.69
		For >25 To 50, Deduct	*-8.04*	
		For >50 To 100, Deduct	*-16.62*	
		For >100, Deduct	*-25.19*	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	205.62	24.69
		For >25 To 50, Deduct	*-8.52*	
		For >50 To 100, Deduct	*-17.56*	
		For >100, Deduct	*-26.61*	
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	214.77	24.69
		For >25 To 50, Deduct	*-8.98*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-27.98*	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	203.97	24.69
		For >25 To 50, Deduct	*-8.44*	
		For >50 To 100, Deduct	*-17.40*	
		For >100, Deduct	*-26.36*	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	213.11	24.69
		For >25 To 50, Deduct	*-8.89*	
		For >50 To 100, Deduct	*-18.31*	
		For >100, Deduct	*-27.73*	
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	222.25	24.69
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-29.11*	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	215.95	27.16
		For >25 To 50, Deduct	*-8.86*	
		For >50 To 100, Deduct	*-18.30*	
		For >100, Deduct	*-27.74*	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	224.41	27.16
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.14*	
		For >100, Deduct	*-29.01*	
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	233.55	27.16
		For >25 To 50, Deduct	*-9.74*	
		For >50 To 100, Deduct	*-20.06*	
		For >100, Deduct	*-30.38*	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	242.10	27.16
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-20.91*	
		For >100, Deduct	*-31.66*	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	249.15	27.16
		For >25 To 50, Deduct	*-10.52*	
		For >50 To 100, Deduct	*-21.62*	
		For >100, Deduct	*-32.72*	
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	258.86	27.16
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-22.59*	
		For >100, Deduct	*-34.17*	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	269.79	27.16
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-23.68*	
		For >100, Deduct	*-35.81*	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	434.41	27.16
		For >25 To 50, Deduct	*-19.78*	
		For >50 To 100, Deduct	*-40.14*	
		For >100, Deduct	*-60.51*	
10 51 13 00-0061		**Two Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)* Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	233.60	24.69
		For >25 To 50, Deduct	*-9.92*	
		For >50 To 100, Deduct	*-20.36*	
		For >100, Deduct	*-30.81*	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	237.80	24.69
		For >25 To 50, Deduct	*-10.13*	
		For >50 To 100, Deduct	*-20.78*	
		For >100, Deduct	*-31.44*	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	249.06	24.69
		For >25 To 50, Deduct	*-10.69*	
		For >50 To 100, Deduct	*-21.91*	
		For >100, Deduct	*-33.13*	
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	244.13	27.16
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-21.12*	
		For >100, Deduct	*-31.96*	
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	259.65	27.16
		For >25 To 50, Deduct	*-11.04*	
		For >50 To 100, Deduct	*-22.67*	
		For >100, Deduct	*-34.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	268.11	27.16
		For >25 To 50, Deduct	*-11.47*	
		For >50 To 100, Deduct	*-23.51*	
		For >100, Deduct	*-35.56*	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	280.17	27.16
		For >25 To 50, Deduct	*-12.07*	
		For >50 To 100, Deduct	*-24.72*	
		For >100, Deduct	*-37.37*	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	285.85	27.16
		For >25 To 50, Deduct	*-12.35*	
		For >50 To 100, Deduct	*-25.29*	
		For >100, Deduct	*-38.22*	
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	302.21	27.16
		For >25 To 50, Deduct	*-13.17*	
		For >50 To 100, Deduct	*-26.92*	
		For >100, Deduct	*-40.68*	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	314.88	27.16
		For >25 To 50, Deduct	*-13.80*	
		For >50 To 100, Deduct	*-28.19*	
		For >100, Deduct	*-42.58*	

10 51 13 00-0072 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	287.85	27.16
		For >25 To 50, Deduct	*-12.45*	
		For >50 To 100, Deduct	*-25.49*	
		For >100, Deduct	*-38.52*	
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	294.21	27.16
		For >25 To 50, Deduct	*-12.77*	
		For >50 To 100, Deduct	*-26.12*	
		For >100, Deduct	*-39.48*	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	300.53	27.16
		For >25 To 50, Deduct	*-13.09*	
		For >50 To 100, Deduct	*-26.76*	
		For >100, Deduct	*-40.42*	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	315.48	27.16
		For >25 To 50, Deduct	*-13.83*	
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-42.67*	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	318.24	27.16
		For >25 To 50, Deduct	*-13.97*	
		For >50 To 100, Deduct	*-28.53*	
		For >100, Deduct	*-43.08*	

10 51 13 00-0078 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	272.77	27.16
		For >25 To 50, Deduct	*-11.70*	
		For >50 To 100, Deduct	*-23.98*	
		For >100, Deduct	*-36.26*	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	278.78	27.16
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-24.58*	
		For >100, Deduct	*-37.16*	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	284.74	27.16
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-25.18*	
		For >100, Deduct	*-38.06*	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	298.81	27.16
		For >25 To 50, Deduct	*-13.00*	
		For >50 To 100, Deduct	*-26.58*	
		For >100, Deduct	*-40.17*	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	301.37	27.16
		For >25 To 50, Deduct	*-13.13*	
		For >50 To 100, Deduct	*-26.84*	
		For >100, Deduct	*-40.55*	

10 51 13 00-0084 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	282.11	27.16
		For >25 To 50, Deduct	*-12.17*	
		For >50 To 100, Deduct	*-24.91*	
		For >100, Deduct	*-37.66*	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	290.88	27.16
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-25.79*	
		For >100, Deduct	*-38.98*	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	297.33	27.16
		For >25 To 50, Deduct	*-12.93*	
		For >50 To 100, Deduct	*-26.44*	
		For >100, Deduct	*-39.94*	

10 51 13 00-0088 All Welded Locker Accessories *(10 51 13 00-0044)*

10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	131.84	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	214.71	5.64
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	248.61	5.64
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	151.92	5.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	47.67	5.64
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	42.68	5.64

10 51 13 00-0095 Athletic Lockers *(10 51 13)*

Note: Price per frame. Powder coated enamel paint. 16 gauge tops, bottoms, and sides. 18 gauge backs. 14 gauge vented doors. Excludes slope top, base fillers, and locks.

10 51 13 00-0096 Single Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0097	EA	12" x 15" x 72" Single Tier Athletic Locker	447.37	45.15
		For >25 To 50, Deduct	*-17.85*	
		For >50 To 100, Deduct	*-37.06*	
		For >100, Deduct	*-56.27*	
10 51 13 00-0098	EA	12" x 18" x 72" Single Tier Athletic Locker	473.32	45.15
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-39.66*	
		For >100, Deduct	*-60.16*	
10 51 13 00-0099	EA	15" x 15" x 72" Single Tier Athletic Locker	482.44	45.15
		For >25 To 50, Deduct	*-19.61*	
		For >50 To 100, Deduct	*-40.57*	
		For >100, Deduct	*-61.53*	
10 51 13 00-0100	EA	15" x 18" x 72" Single Tier Athletic Locker	499.09	45.15
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-42.23*	
		For >100, Deduct	*-64.03*	
10 51 13 00-0101	EA	18" x 18" x 72" Single Tier Athletic Locker	540.16	45.15
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-46.34*	
		For >100, Deduct	*-70.19*	
10 51 13 00-0102	EA	18" x 21" x 72" Single Tier Athletic Locker	583.21	45.15
		For >25 To 50, Deduct	*-24.65*	
		For >50 To 100, Deduct	*-50.65*	
		For >100, Deduct	*-76.65*	

10 51 13 00-0103 Two Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0104	EA	12" x 12" x 72" Two Tier Athletic Locker	498.92	46.56
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-41.98*	
		For >100, Deduct	*-63.66*	
10 51 13 00-0105	EA	12" x 15" x 72" Two Tier Athletic Locker	514.62	46.56
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-43.55*	
		For >100, Deduct	*-66.02*	
10 51 13 00-0106	EA	12" x 18" x 72" Two Tier Athletic Locker	536.03	46.56
		For >25 To 50, Deduct	*-22.15*	
		For >50 To 100, Deduct	*-45.69*	
		For >100, Deduct	*-69.23*	
10 51 13 00-0107	EA	15" x 15" x 72" Two Tier Athletic Locker	539.27	46.56
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-46.01*	
		For >100, Deduct	*-69.72*	
10 51 13 00-0108	EA	15" x 18" x 72" Two Tier Athletic Locker	556.87	46.56
		For >25 To 50, Deduct	*-23.19*	
		For >50 To 100, Deduct	*-47.77*	
		For >100, Deduct	*-72.36*	
10 51 13 00-0109	EA	18" x 18" x 72" Two Tier Athletic Locker	578.48	46.56
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-49.93*	
		For >100, Deduct	*-75.60*	
10 51 13 00-0110	EA	18" x 21" x 72" Two Tier Athletic Locker	626.99	46.56
		For >25 To 50, Deduct	*-26.69*	
		For >50 To 100, Deduct	*-54.78*	
		For >100, Deduct	*-82.87*	

10 51 13 00-0111 Three Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one double hook per tier.

10 51 13 00-0112	EA	12" x 12" x 72" Three Tier Athletic Locker	550.37	47.97
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-46.88*	
		For >100, Deduct	*-71.04*	
10 51 13 00-0113	EA	12" x 15" x 72" Three Tier Athletic Locker	572.82	47.97
		For >25 To 50, Deduct	*-23.84*	
		For >50 To 100, Deduct	*-49.13*	
		For >100, Deduct	*-74.41*	
10 51 13 00-0114	EA	12" x 18" x 72" Three Tier Athletic Locker	603.78	47.97
		For >25 To 50, Deduct	*-25.39*	
		For >50 To 100, Deduct	*-52.22*	
		For >100, Deduct	*-79.05*	
10 51 13 00-0115	EA	15" x 15" x 72" Three Tier Athletic Locker	619.63	47.97
		For >25 To 50, Deduct	*-26.18*	
		For >50 To 100, Deduct	*-53.81*	
		For >100, Deduct	*-81.43*	
10 51 13 00-0116	EA	15" x 18" x 72" Three Tier Athletic Locker	643.41	47.97
		For >25 To 50, Deduct	*-27.37*	
		For >50 To 100, Deduct	*-56.19*	
		For >100, Deduct	*-85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117		**Four Tier Athletic Locker** *(10 51 13 00-0095)*		
10 51 13 00-0118	EA	12" x 12" x 72" Four Tier Athletic Locker	513.46	49.38
		For >25 To 50, Deduct	*-20.74*	
		For >50 To 100, Deduct	*-42.95*	
		For >100, Deduct	*-65.17*	
10 51 13 00-0119	EA	12" x 15" x 72" Four Tier Athletic Locker	544.34	49.38
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-46.04*	
		For >100, Deduct	*-69.80*	
10 51 13 00-0120	EA	12" x 18" x 72" Four Tier Athletic Locker	575.20	49.38
		For >25 To 50, Deduct	*-23.82*	
		For >50 To 100, Deduct	*-49.13*	
		For >100, Deduct	*-74.43*	
10 51 13 00-0121	EA	15" x 15" x 72" Four Tier Athletic Locker	591.01	49.38
		For >25 To 50, Deduct	*-24.61*	
		For >50 To 100, Deduct	*-50.71*	
		For >100, Deduct	*-76.80*	
10 51 13 00-0122	EA	15" x 18" x 72" Four Tier Athletic Locker	602.87	49.38
		For >25 To 50, Deduct	*-25.21*	
		For >50 To 100, Deduct	*-51.89*	
		For >100, Deduct	*-78.58*	
10 51 13 00-0123		**Six Tier Athletic Locker** *(10 51 13 00-0095)*		
10 51 13 00-0124	EA	12" x 12" x 72" Six Tier Athletic Locker	568.21	50.79
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-73.04*	
10 51 13 00-0125	EA	12" x 15" x 72" Six Tier Athletic Locker	591.92	50.79
		For >25 To 50, Deduct	*-24.52*	
		For >50 To 100, Deduct	*-50.56*	
		For >100, Deduct	*-76.60*	
10 51 13 00-0126	EA	12" x 18" x 72" Six Tier Athletic Locker	615.59	50.79
		For >25 To 50, Deduct	*-25.70*	
		For >50 To 100, Deduct	*-52.92*	
		For >100, Deduct	*-80.15*	
10 51 13 00-0127	EA	12" x 21" x 72" Six Tier Athletic Locker	701.99	50.79
		For >25 To 50, Deduct	*-30.02*	
		For >50 To 100, Deduct	*-61.56*	
		For >100, Deduct	*-93.11*	
10 51 13 00-0128		**Accessories** *(10 51 13)*		
10 51 13 00-0129		**Locker Slope Tops** *(10 51 13 00-0128)*		
10 51 13 00-0130		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0129)*		
10 51 13 00-0131	LF	12" Deep, 16 Gauge Continuous Slope Top	36.57	5.64
10 51 13 00-0132	LF	15" Deep, 16 Gauge Continuous Slope Top	31.18	5.64
10 51 13 00-0133	LF	18" Deep, 16 Gauge Continuous Slope Top	42.10	5.64
10 51 13 00-0134	LF	21" Deep, 16 Gauge Continuous Slope Top	46.30	5.64
10 51 13 00-0135	LF	24" Deep, 16 Gauge Continuous Slope Top	48.27	5.64
10 51 13 00-0136		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0129)*		
10 51 13 00-0137	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	145.01	5.64
10 51 13 00-0138	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	148.07	5.64
10 51 13 00-0139	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	151.12	5.64
10 51 13 00-0140	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	154.81	5.64
10 51 13 00-0141	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	158.47	5.64
10 51 13 00-0142		**20 Gauge Individual Slope Top** *(10 51 13 00-0129)*		
10 51 13 00-0143	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	31.71	5.64
10 51 13 00-0144	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	31.51	5.64
10 51 13 00-0145	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	34.84	5.64
10 51 13 00-0146	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	34.84	5.64
10 51 13 00-0147	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	35.63	5.64
10 51 13 00-0148	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	38.77	5.64
10 51 13 00-0149	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	38.77	5.64
10 51 13 00-0150	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	42.90	5.64
10 51 13 00-0151	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	47.82	5.64
10 51 13 00-0152		**Continuous Slope Top End Closures** *(10 51 13 00-0129)*		
10 51 13 00-0153	PR	12" Deep, Continuous Slope Top End Closures	33.67	5.64
10 51 13 00-0154	PR	15" Deep, Continuous Slope Top End Closures	28.92	5.64
10 51 13 00-0155	PR	18" Deep, Continuous Slope Top End Closures	37.58	5.64
10 51 13 00-0156	PR	21" Deep, Continuous Slope Top End Closures	39.56	5.64
10 51 13 00-0157	PR	24" Deep, Continuous Slope Top End Closures	40.90	5.64
10 51 13 00-0158		**Individual Slope Top End Closures** *(10 51 13 00-0129)*		
10 51 13 00-0159	EA	12" Deep, Individual Slope Top End Closures	22.48	5.64
10 51 13 00-0160	EA	15" Deep, Individual Slope Top End Closures	23.09	5.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0161	EA	18" Deep, Individual Slope Top End Closures	24.46	5.64
10 51 13 00-0162	EA	21" Deep, Individual Slope Top End Closures	25.41	5.64
10 51 13 00-0163	EA	24" Deep, Individual Slope Top End Closures	35.09	5.64
10 51 13 00-0164		Locker Base *(10 51 13 00-0128)*		
10 51 13 00-0165		Closed Front Base *(10 51 13 00-0164)*		
10 51 13 00-0166	EA	12" Wide, 6" High Closed Front Base	23.53	5.64
10 51 13 00-0167	EA	15" Wide, 6" High Closed Front Base	24.56	5.64
10 51 13 00-0168	EA	18" Wide, 6" High Closed Front Base	26.69	5.64
10 51 13 00-0169	EA	24" Wide, 6" High Closed Front Base	27.72	5.64
10 51 13 00-0170		Closed End Base *(10 51 13 00-0164)*		
10 51 13 00-0171	EA	12" Deep, 6" High Closed End Base	26.37	5.64
10 51 13 00-0172	EA	15" Deep, 6" High Closed End Base	26.55	5.64
10 51 13 00-0173	EA	18" Deep, 6" High Closed End Base	27.94	5.64
10 51 13 00-0174	EA	21" Deep, 6" High Closed End Base	29.30	5.64
10 51 13 00-0175	EA	24" Deep, 6" High Closed End Base	31.16	5.64
10 51 13 00-0176		Recessed Continuous Front "Z" Base *(10 51 13 00-0164)*		
10 51 13 00-0177	LF	4" High Recessed Continuous Front "Z" Base	27.08	4.23
10 51 13 00-0178		"Z" Base Ends Or Splice *(10 51 13 00-0164)*		
10 51 13 00-0179	EA	12" Wide, 4" High Z-Base Ends Or Splice	27.48	5.64
10 51 13 00-0180	EA	15" Wide, 4" High Z-Base Ends Or Splice	31.51	5.64
10 51 13 00-0181	EA	18" Wide, 4" High Z-Base Ends Or Splice	35.63	5.64
10 51 13 00-0182	EA	21" Wide, 4" High Z-Base Ends Or Splice	39.96	5.64
10 51 13 00-0183	EA	24" Wide, 4" High Z-Base Ends Or Splice	44.27	5.64
10 51 13 00-0184		Locker Front Fillers And End Panels *(10 51 13 00-0128)*		
10 51 13 00-0185		Locker Front Fillers *(10 51 13 00-0184)*		
10 51 13 00-0186	EA	6" Wide x 60" High, 16 Gauge Front Filler	44.16	7.05
10 51 13 00-0187	EA	12" Wide x 60" High, 16 Gauge Front Filler	66.85	7.05
10 51 13 00-0188	EA	6" Wide x 66" High, 16 Gauge Front Filler	47.86	7.05
10 51 13 00-0189	EA	12" Wide x 66" High, 16 Gauge Front Filler	53.47	7.05
10 51 13 00-0190	EA	6" Wide x 72" High, 16 Gauge Front Filler	52.15	7.05
10 51 13 00-0191	EA	12" Wide x 72" High, 16 Gauge Front Filler	72.98	7.05
10 51 13 00-0192	EA	6" Wide x 78" High, 16 Gauge Front Filler	53.33	7.05
10 51 13 00-0193	EA	12" Wide x 78" High, 16 Gauge Front Filler	61.75	7.05
10 51 13 00-0194		Locker End Panels *(10 51 13 00-0184)*		
10 51 13 00-0195	EA	12" Deep x 60" High, 16 Gauge End Panel	66.64	5.64
10 51 13 00-0196	EA	15" Deep x 60" High, 16 Gauge End Panel	75.34	5.64
10 51 13 00-0197	EA	18" Deep x 60" High, 16 Gauge End Panel	89.02	5.64
10 51 13 00-0198	EA	12" Deep x 72" High, 16 Gauge End Panel	78.21	5.64
10 51 13 00-0199	EA	15" Deep x 72" High, 16 Gauge End Panel	88.79	5.64
10 51 13 00-0200	EA	18" Deep x 72" High, 16 Gauge End Panel	102.86	5.64
10 51 13 00-0201	EA	21" Deep x 72" High, 16 Gauge End Panel	118.14	5.64
10 51 13 00-0202		Locker Recessed Trim *(10 51 13 00-0128)*		
10 51 13 00-0203	LF	3" Height, Top Trim For Recessed Lockers	12.22	2.82
10 51 13 00-0204	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	33.04	5.64
10 51 13 00-0205	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	49.35	5.64
10 51 13 00-0206	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	51.07	5.64
10 51 13 00-0207	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	52.79	5.64
10 51 13 00-0208	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	54.29	5.64
10 51 13 00-0209		Locker Interior Accessories *(10 51 13 00-0128)*		
10 51 13 00-0210		Locker Coat Rods *(10 51 13 00-0209)*		
10 51 13 00-0211	EA	12" Wide Coat Rod	18.69	5.64
10 51 13 00-0212	EA	15" Wide Coat Rod	20.29	5.64
10 51 13 00-0213	EA	18" Wide Coat Rod	21.71	5.64
10 51 13 00-0214	EA	24" Wide Coat Rod	22.97	5.64
10 51 13 00-0215		Locker ADA Compliant Shelf *(10 51 13 00-0209)*		
10 51 13 00-0216	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	42.14	7.05
10 51 13 00-0217		Other Interior Locker Accessories *(10 51 13 00-0209)*		
10 51 13 00-0218	EA	3" x 10" Bent Plate Shoe Rack	54.42	5.64
10 51 13 00-0219	EA	8" x 10" Mirror	43.64	5.64
10 51 13 00-0220	EA	Additional Hook	13.99	5.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0221		**Locker Locks** *(10 51 13 00-0128)*		
10 51 13 00-0222	EA	Built In Combination Lock	47.67	5.64
10 51 26		**Plastic Lockers** *(10 51)*		
10 51 26 00-0001		**Solid Plastic Lockers** *(10 51 26)* Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002		**Single Tier Solid Plastic Lockers** *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	680.23	43.74
		For >50 To 100, Deduct	*-59.28*	
		For >100, Deduct	*-91.54*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	692.13	43.74
		For >50 To 100, Deduct	*-60.47*	
		For >100, Deduct	*-93.32*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	704.02	43.74
		For >50 To 100, Deduct	*-61.66*	
		For >100, Deduct	*-95.11*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	721.86	43.74
		For >50 To 100, Deduct	*-63.44*	
		For >100, Deduct	*-97.78*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	702.99	43.74
		For >50 To 100, Deduct	*-61.55*	
		For >100, Deduct	*-94.95*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	708.00	43.74
		For >50 To 100, Deduct	*-62.05*	
		For >100, Deduct	*-95.70*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	699.20	43.74
		For >50 To 100, Deduct	*-61.17*	
		For >100, Deduct	*-94.38*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	748.30	43.74
		For >50 To 100, Deduct	*-66.08*	
		For >100, Deduct	*-101.75*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	736.98	43.74
		For >50 To 100, Deduct	*-64.95*	
		For >100, Deduct	*-100.05*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	750.19	43.74
		For >50 To 100, Deduct	*-66.27*	
		For >100, Deduct	*-102.03*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	763.40	43.74
		For >50 To 100, Deduct	*-67.59*	
		For >100, Deduct	*-104.01*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	793.62	43.74
		For >50 To 100, Deduct	*-70.62*	
		For >100, Deduct	*-108.55*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	835.16	43.74
		For >50 To 100, Deduct	*-74.77*	
		For >100, Deduct	*-114.78*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	797.38	43.74
		For >50 To 100, Deduct	*-70.99*	
		For >100, Deduct	*-109.11*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	865.35	43.74
		For >50 To 100, Deduct	*-77.79*	
		For >100, Deduct	*-119.31*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	742.24	43.74
		For >50 To 100, Deduct	*-65.48*	
		For >100, Deduct	*-100.84*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	780.97	43.74
		For >50 To 100, Deduct	*-69.35*	
		For >100, Deduct	*-106.65*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	819.73	43.74
		For >50 To 100, Deduct	*-73.23*	
		For >100, Deduct	*-112.46*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	791.34	43.74
		For >50 To 100, Deduct	*-70.39*	
		For >100, Deduct	*-108.20*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	832.40	43.74
		For >50 To 100, Deduct	*-74.49*	
		For >100, Deduct	*-114.36*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	873.48	43.74
		For >50 To 100, Deduct	*-78.60*	
		For >100, Deduct	*-120.53*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	840.45	43.74
		For >50 To 100, Deduct	*-75.30*	
		For >100, Deduct	*-115.57*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	883.85	43.74
		For >50 To 100, Deduct	*-79.64*	
		For >100, Deduct	*-122.08*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	847.94	45.15
		For >50 To 100, Deduct	*-75.77*	
		For >100, Deduct	*-116.36*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	891.37	45.15
		For >50 To 100, Deduct	*-80.11*	
		For >100, Deduct	*-122.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	934.74	45.15
		For >50 To 100, Deduct	*-84.45*	
		For >100, Deduct	*-129.38*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	904.30	45.15
		For >50 To 100, Deduct	*-81.40*	
		For >100, Deduct	*-124.81*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	950.10	45.15
		For >50 To 100, Deduct	*-85.98*	
		For >100, Deduct	*-131.68*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	995.85	45.15
		For >50 To 100, Deduct	*-90.56*	
		For >100, Deduct	*-138.54*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	949.22	45.15
		For >50 To 100, Deduct	*-85.89*	
		For >100, Deduct	*-131.55*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,008.77	45.15
		For >50 To 100, Deduct	*-91.85*	
		For >100, Deduct	*-140.48*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,056.87	45.15
		For >50 To 100, Deduct	*-96.66*	
		For >100, Deduct	*-147.70*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	762.45	45.15
		For >50 To 100, Deduct	*-67.22*	
		For >100, Deduct	*-103.53*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	773.78	45.15
		For >50 To 100, Deduct	*-68.35*	
		For >100, Deduct	*-105.23*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	790.76	45.15
		For >50 To 100, Deduct	*-70.05*	
		For >100, Deduct	*-107.78*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	785.11	45.15
		For >50 To 100, Deduct	*-69.48*	
		For >100, Deduct	*-106.93*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	815.32	45.15
		For >50 To 100, Deduct	*-72.50*	
		For >100, Deduct	*-111.46*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	887.06	45.15
		For >50 To 100, Deduct	*-79.68*	
		For >100, Deduct	*-122.22*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	792.67	45.15
		For >50 To 100, Deduct	*-70.24*	
		For >100, Deduct	*-108.07*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	829.21	45.15
		For >50 To 100, Deduct	*-73.89*	
		For >100, Deduct	*-113.55*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	894.62	45.15
		For >50 To 100, Deduct	*-80.43*	
		For >100, Deduct	*-123.36*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	788.44	45.15
		For >50 To 100, Deduct	*-69.82*	
		For >100, Deduct	*-107.43*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	847.58	45.15
		For >50 To 100, Deduct	*-75.73*	
		For >100, Deduct	*-116.30*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	864.48	45.15
		For >50 To 100, Deduct	*-77.42*	
		For >100, Deduct	*-118.84*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	857.46	45.15
		For >50 To 100, Deduct	*-76.72*	
		For >100, Deduct	*-117.78*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	896.66	45.15
		For >50 To 100, Deduct	*-80.64*	
		For >100, Deduct	*-123.66*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	904.32	45.15
		For >50 To 100, Deduct	*-81.40*	
		For >100, Deduct	*-124.81*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	945.76	45.15
		For >50 To 100, Deduct	*-85.55*	
		For >100, Deduct	*-131.03*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	987.20	45.15
		For >50 To 100, Deduct	*-89.69*	
		For >100, Deduct	*-137.25*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	911.62	46.56
		For >50 To 100, Deduct	*-81.85*	
		For >100, Deduct	*-125.57*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	953.06	46.56
		For >50 To 100, Deduct	*-85.99*	
		For >100, Deduct	*-131.78*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	974.65	46.56
		For >50 To 100, Deduct	*-88.15*	
		For >100, Deduct	*-135.02*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	965.42	46.56
		For >50 To 100, Deduct	*-87.23*	
		For >100, Deduct	*-133.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,009.13	46.56
		For >50 To 100, Deduct	*-91.60*	
		For >100, Deduct	*-140.20*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,052.81	46.56
		For >50 To 100, Deduct	*-95.97*	
		For >100, Deduct	*-146.75*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	973.23	46.56
		For >50 To 100, Deduct	*-88.01*	
		For >100, Deduct	*-134.81*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,065.15	46.56
		For >50 To 100, Deduct	*-97.20*	
		For >100, Deduct	*-148.60*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,111.05	46.56
		For >50 To 100, Deduct	*-101.79*	
		For >100, Deduct	*-155.48*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	751.12	46.56
		For >50 To 100, Deduct	*-65.80*	
		For >100, Deduct	*-101.49*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	782.21	46.56
		For >50 To 100, Deduct	*-68.91*	
		For >100, Deduct	*-106.16*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	810.72	46.56
		For >50 To 100, Deduct	*-71.76*	
		For >100, Deduct	*-110.43*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	816.24	46.56
		For >50 To 100, Deduct	*-72.31*	
		For >100, Deduct	*-111.26*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	882.69	46.56
		For >50 To 100, Deduct	*-78.96*	
		For >100, Deduct	*-121.23*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	883.00	46.56
		For >50 To 100, Deduct	*-78.99*	
		For >100, Deduct	*-121.28*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	919.25	46.56
		For >50 To 100, Deduct	*-82.61*	
		For >100, Deduct	*-126.71*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	955.66	46.56
		For >50 To 100, Deduct	*-86.25*	
		For >100, Deduct	*-132.17*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	992.05	46.56
		For >50 To 100, Deduct	*-89.89*	
		For >100, Deduct	*-137.63*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	962.78	46.56
		For >50 To 100, Deduct	*-86.97*	
		For >100, Deduct	*-133.24*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,001.26	46.56
		For >50 To 100, Deduct	*-90.81*	
		For >100, Deduct	*-139.01*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,039.73	46.56
		For >50 To 100, Deduct	*-94.66*	
		For >100, Deduct	*-144.79*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	969.73	47.97
		For >50 To 100, Deduct	*-87.38*	
		For >100, Deduct	*-133.95*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,008.23	47.97
		For >50 To 100, Deduct	*-91.23*	
		For >100, Deduct	*-139.72*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,035.25	47.97
		For >50 To 100, Deduct	*-93.93*	
		For >100, Deduct	*-143.77*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,019.69	47.97
		For >50 To 100, Deduct	*-92.38*	
		For >100, Deduct	*-141.44*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,031.89	47.97
		For >50 To 100, Deduct	*-93.60*	
		For >100, Deduct	*-143.27*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,075.86	47.97
		For >50 To 100, Deduct	*-97.99*	
		For >100, Deduct	*-149.87*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,002.22	47.97
		For >50 To 100, Deduct	*-90.63*	
		For >100, Deduct	*-138.82*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,091.63	47.97
		For >50 To 100, Deduct	*-99.57*	
		For >100, Deduct	*-152.23*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,154.93	47.97
		For >50 To 100, Deduct	*-105.90*	
		For >100, Deduct	*-161.73*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	871.94	47.97
		For >50 To 100, Deduct	*-77.60*	
		For >100, Deduct	*-119.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	897.17	47.97
		For >50 To 100, Deduct	*-80.12*	
		For >100, Deduct	*-123.06*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	943.70	47.97
		For >50 To 100, Deduct	*-84.78*	
		For >100, Deduct	*-130.04*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	938.02	47.97
		For >50 To 100, Deduct	*-84.21*	
		For >100, Deduct	*-129.19*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	998.30	47.97
		For >50 To 100, Deduct	*-90.24*	
		For >100, Deduct	*-138.23*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,017.31	47.97
		For >50 To 100, Deduct	*-92.14*	
		For >100, Deduct	*-141.08*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,007.87	47.97
		For >50 To 100, Deduct	*-91.19*	
		For >100, Deduct	*-139.67*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,039.97	47.97
		For >50 To 100, Deduct	*-94.40*	
		For >100, Deduct	*-144.48*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,132.50	47.97
		For >50 To 100, Deduct	*-103.66*	
		For >100, Deduct	*-158.36*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,003.05	49.38
		For >50 To 100, Deduct	*-90.43*	
		For >100, Deduct	*-138.61*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,047.80	49.38
		For >50 To 100, Deduct	*-94.90*	
		For >100, Deduct	*-145.32*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,053.63	49.38
		For >50 To 100, Deduct	*-95.49*	
		For >100, Deduct	*-146.19*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,110.01	49.38
		For >50 To 100, Deduct	*-101.13*	
		For >100, Deduct	*-154.65*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,057.83	49.38
		For >50 To 100, Deduct	*-95.91*	
		For >100, Deduct	*-146.82*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,105.11	49.38
		For >50 To 100, Deduct	*-100.64*	
		For >100, Deduct	*-153.92*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,056.03	49.38
		For >50 To 100, Deduct	*-95.73*	
		For >100, Deduct	*-146.55*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,112.67	49.38
		For >50 To 100, Deduct	*-101.39*	
		For >100, Deduct	*-155.05*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,197.54	49.38
		For >50 To 100, Deduct	*-109.88*	
		For >100, Deduct	*-167.78*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	947.82	48.67
		For >50 To 100, Deduct	*-85.05*	
		For >100, Deduct	*-130.49*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	979.06	48.67
		For >50 To 100, Deduct	*-88.17*	
		For >100, Deduct	*-135.18*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.31	48.67
		For >50 To 100, Deduct	*-91.30*	
		For >100, Deduct	*-139.86*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	990.42	48.67
		For >50 To 100, Deduct	*-89.31*	
		For >100, Deduct	*-136.88*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,046.39	48.67
		For >50 To 100, Deduct	*-94.90*	
		For >100, Deduct	*-145.28*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,073.48	48.67
		For >50 To 100, Deduct	*-97.61*	
		For >100, Deduct	*-149.34*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,064.04	48.67
		For >50 To 100, Deduct	*-96.67*	
		For >100, Deduct	*-147.92*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,094.25	48.67
		For >50 To 100, Deduct	*-99.69*	
		For >100, Deduct	*-152.46*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,192.44	48.67
		For >50 To 100, Deduct	*-109.51*	
		For >100, Deduct	*-167.18*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,033.62	50.08
		For >50 To 100, Deduct	*-93.35*	
		For >100, Deduct	*-143.02*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,068.66	50.08
		For >50 To 100, Deduct	*-96.85*	
		For >100, Deduct	*-148.28*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,103.68	50.08
		For >50 To 100, Deduct	*-100.35*	
		For >100, Deduct	*-153.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,091.42	50.08
		For >50 To 100, Deduct	*-99.13*	
		For >100, Deduct	*-151.69*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,116.06	50.08
		For >50 To 100, Deduct	*-101.59*	
		For >100, Deduct	*-155.39*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,152.96	50.08
		For >50 To 100, Deduct	*-105.28*	
		For >100, Deduct	*-160.92*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,124.60	50.08
		For >50 To 100, Deduct	*-102.44*	
		For >100, Deduct	*-156.67*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,166.92	50.08
		For >50 To 100, Deduct	*-106.68*	
		For >100, Deduct	*-163.02*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,216.03	50.08
		For >50 To 100, Deduct	*-111.59*	
		For >100, Deduct	*-170.38*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,092.02	49.38
		For >50 To 100, Deduct	*-99.33*	
		For >100, Deduct	*-151.95*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,072.01	50.79
		For >50 To 100, Deduct	*-97.04*	
		For >100, Deduct	*-148.61*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,107.00	50.79
		For >50 To 100, Deduct	*-100.54*	
		For >100, Deduct	*-153.86*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,130.35	50.79
		For >50 To 100, Deduct	*-102.88*	
		For >100, Deduct	*-157.36*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,177.00	50.79
		For >50 To 100, Deduct	*-107.54*	
		For >100, Deduct	*-164.36*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,190.63	50.79
		For >50 To 100, Deduct	*-108.91*	
		For >100, Deduct	*-166.40*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,200.36	50.79
		For >50 To 100, Deduct	*-109.88*	
		For >100, Deduct	*-167.86*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,204.23	50.79
		For >50 To 100, Deduct	*-110.27*	
		For >100, Deduct	*-168.44*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,247.01	50.79
		For >50 To 100, Deduct	*-114.54*	
		For >100, Deduct	*-174.86*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,303.42	50.79
		For >50 To 100, Deduct	*-120.18*	
		For >100, Deduct	*-183.32*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	51.70

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	56.73

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	129.96

10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	50.50

10 51 26 00-0142 Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	136.27

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	12.62
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	37.88
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	50.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	119.17	7.05
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	95.36	7.05
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	145.04	7.05
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	138.66	7.05
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	107.99	7.05

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 19 Flood Barriers *(10 71)*

10 71 19 16 Removable Flood Barriers *(10 71 19)*

10 71 19 16-0001 Removable Flood Barriers *(10 71 19 16)*

Note: Excludes saw cutting, excavation and concrete foundation. See CSI section 02 41 19 13-0001 for saw cutting, 03 10 00 00-0000 for concrete forms and accessories, 03 31 13 00-0010 for concrete foundations, 31 23 16 36-0000 for excavation.

10 71 19 16-0002 Flood Planks *(10 71 19 16-0001)*

10 71 19 16-0003	SF	Aluminum Flood Planks Note: Excludes stamped drawings, any associated masonry work, removal, relocation and storage of flood planks.	291.33	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	4,339.71	1,094.32
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	4,644.08	1,193.81
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,819.43	1,392.78
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	6,746.90	1,591.74
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	12,242.56	1,790.71
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	14,539.29	1,989.67
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	24,744.78	2,188.64
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	31,952.03	2,387.61
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,280.78	994.83
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Internal Halyard, Winch System, Add	*570.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,855.40	1,094.32
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,267.80	1,193.81
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,352.16	1,392.78
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,544.64	1,591.74
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	7,205.76	1,691.22
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	8,872.49	1,790.71
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	14,617.23	1,989.67
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	16,004.34	2,188.64
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	19,824.39	2,387.61
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	2,149.39
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	2,221.48
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,552.28
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,700.19
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	3,240.27
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,926.82
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	4,644.18
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	5,396.36
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	6,286.84

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	843.82
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,210.89
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,352.53
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,522.22

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0038		Flagpole Tops *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	150.26	59.99
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	162.72	63.52
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	179.51	67.05
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	223.33	70.58
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	282.29	74.11
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	312.06	77.63
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	289.35	77.63
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	335.39	88.22
10 75 16 00-0047		Flagpole Accessories *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.47	0.10
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.74	0.10
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.57	0.10
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.97	0.10
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	483.14	176.35
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	345.80	105.81
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	27.84	7.05
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.93	0.18

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,361.67	872.66
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,568.65	959.93
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,786.42	1,047.20
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	3,232.81	1,221.73
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,911.61	785.39
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,151.02	872.66
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,543.33	1,047.20
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001		Stainless Steel Spiked Bird Barrier *(10 81 13)*		
		Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.12	1.13
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.43	1.13
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.77	1.13
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier *(10 81 13)*		
		Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.28	1.13
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.46	1.13
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.88	1.13
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier *(10 81 13)*		
		Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.76	1.13
10 81 13 00-0011		Coil Bird Barrier *(10 81 13)*		
		Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	8.35	1.13
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.85	1.13
10 81 13 00-0014		Spider Bird Barrier *(10 81 13)*		
		Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	147.93	1.13
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	217.16	1.13
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	273.03	1.13

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0018			Oriented Flexible Flame Resistant Netting *(10 81 13)*		
			Note: Includes stainless steel rings and plastic ties.		
	10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	1.36	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	1.32	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	1.28	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	1.24	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	1.24	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	1.22	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	1.19	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	1.19	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	1.15	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	1.26	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	1.20	0.50
			Note: To control bird and marine predators.		
	10 81 13 00-0030	EA	Poly Clips For Flexible Netting	4.08	
10 81 13 00-0031			Netting Accessories *(10 81 13)*		
	10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.40	
	10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.16	
	10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.66	
	10 81 13 00-0035	EA	8' Zipper For Flexible Netting	23.68	
10 81 13 00-0036			Electric Track Bird Barrier *(10 81 13)*		
			Note: Flexible PVC base with stainless steel wires.		
	10 81 13 00-0037	LF	Flexible Polyvinyl Chloride (PVC) Base, Ridged and Staggered, Electric Track Bird Deterrent System With Stainless Steel Wires	7.71	1.13
	10 81 13 00-0038	LF	Flexible Polyvinyl Chloride (PVC) Base, Electric Track Bird Deterrent System With Stainless Steel Wires	10.32	1.13
10 86			**Security Mirrors And Domes** *(10 80)*		
10 86 00 00-0001			Dome Mirrors *(10 86)*		
			Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002			Steel Dome Mirrors *(10 86 00 00-0001)*		
	10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	330.18	28.23
	10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	387.75	29.64
	10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	448.14	32.47
	10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	596.60	35.29
	10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	236.57	21.17
	10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	272.72	22.58
	10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	318.36	24.70
	10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	441.61	26.82
10 86 00 00-0011			Plexiglas Dome Mirrors *(10 86 00 00-0001)*		
	10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	258.92	32.47
	10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	363.34	35.29
	10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	479.36	40.93
	10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	579.61	49.40
	10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	845.69	70.58
	10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	159.60	24.70
	10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	213.83	26.82
	10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	280.85	31.05
	10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	346.15	37.41
	10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	548.58	52.93
	10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	104.24	21.17
	10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	132.98	23.29
	10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	173.86	26.11
	10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	216.35	31.05
	10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	357.18	44.11
10 86 00 00-0027			Coated Plexiglas Dome Mirrors *(10 86 00 00-0001)*		
	10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	307.71	32.47
	10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	472.83	35.29
	10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	798.59	49.40
	10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,228.90	70.58
	10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	200.54	24.70
	10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	296.42	26.82
	10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	467.54	37.41
	10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	772.32	52.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	146.36	21.17
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	203.91	23.29
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	263.35	26.11
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	338.21	31.05
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	528.56	44.11
10 86 00 00-0041		Circular Convex Security Mirrors *(10 86)*		
		Note: Includes all mounting hardware.		
10 86 00 00-0042		Plexiglas Circular Convex Mirrors *(10 86 00 00-0041)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	111.82	22.58
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	144.37	24.70
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	216.45	26.82
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	269.90	31.05
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	358.05	37.41
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	629.50	52.93
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	184.60	24.70
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	264.05	26.82
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	377.10	37.41
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	686.63	52.93
10 86 00 00-0053		Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0041)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	221.73	24.70
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	346.40	26.82
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	464.36	31.05
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	579.41	37.41
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	841.34	52.93
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	265.28	24.70
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	408.29	26.82
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	566.71	31.05
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	641.30	37.41
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	1,015.10	52.93

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 10 Vehicle and Pedestrian Equipment *(11)*

11 13 Loading Dock Equipment *(11 10)*

Note: Includes all anchor bolts, drilling and fasteners.

11 13 13 Loading Dock Bumpers *(11 13)*

11 13 13 00-0001		Laminated Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	144.41	28.22
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	177.44	28.22
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	224.04	28.22
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	158.48	28.22
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	170.16	28.22
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	191.02	28.22
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	224.04	28.22
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	298.60	28.22
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	177.12	28.22
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	191.02	28.22
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	230.67	28.22
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	258.79	28.22
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	350.10	28.22
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	214.25	28.22
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	246.95	28.22
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	316.61	28.22
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	197.93	28.22
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	209.46	28.22
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	237.26	28.22
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	279.60	28.22
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	373.28	28.22
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	223.52	28.22
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	233.00	28.22
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	270.60	28.22
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	326.68	28.22
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	483.70	28.22
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	279.76	28.22
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	317.36	28.22
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	322.36	28.22
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	83.70	28.22
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	88.34	28.22
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	94.53	28.22
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	100.73	28.22
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.98	28.22
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	127.50	28.22
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	133.13	28.22
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	145.94	28.22
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	128.59	28.22
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	154.90	28.22
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	176.58	28.22
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	217.93	28.22
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	113.14	28.22
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	101.19	28.22
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	128.47	28.22
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	155.99	28.22
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	162.48	28.22
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	125.34	28.22
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	157.08	28.22
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	222.41	28.22
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	134.83	28.22
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	192.87	28.22
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	192.30	28.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	283.76	28.22
11 13 13 00-0063		**T And L Shaped Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	183.36	28.22
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	171.17	28.22
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		**Vinyl Loading Dock Seals** *(11 13 16 13)*		
11 13 16 13-0002		**Standard Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	104.10	28.22
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	105.28	28.22
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	106.47	28.22
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	108.84	28.22
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	111.21	28.22
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	113.61	28.22
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	116.01	28.22
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	118.48	28.22
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	120.95	28.22
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	123.32	28.22
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	125.69	28.22
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	130.49	28.22
11 13 16 13-0015		**8" Exposure Wear Pleats, Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.18	28.22
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.37	28.22
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.55	28.22
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.95	28.22
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.36	28.22
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.73	28.22
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.10	28.22
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.50	28.22
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.90	28.22
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.27	28.22
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	139.71	28.22
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	144.45	28.22
11 13 16 13-0028		**4" Exposure Wear Pleats, Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.69	28.22
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.90	28.22
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.12	28.22
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.49	28.22
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.86	28.22
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.26	28.22
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.67	28.22
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.04	28.22
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	142.40	28.22
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	144.81	28.22
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	147.21	28.22
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	152.08	28.22
11 13 16 13-0041		**Vinyl Loading Dock Seals With Drape Curtain** *(11 13 16 13)*		
11 13 16 13-0042		**Standard, Vinyl Loading Dock Seals With Drape Curtain** *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	97.81	28.22
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	99.68	28.22
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	103.80	28.22
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	107.86	28.22
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	112.03	28.22
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	116.09	28.22
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	120.21	28.22
11 13 16 13-0050		**8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain** *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	111.14	28.22
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	113.06	28.22
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	117.18	28.22
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.29	28.22
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	125.36	28.22
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	129.48	28.22
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	133.54	28.22
11 13 16 13-0058		**4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain** *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.36	28.22
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	120.22	28.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	124.40	28.22
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	128.46	28.22
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	132.58	28.22
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	136.64	28.22
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	140.82	28.22

11 13 16 23 Loading Dock Shelters *(11 13 16)*

11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*

11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	159.16	35.27

11 13 16 23-0003 Rigid Loading Dock Shelters *(11 13 16 23)*

11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	123.11	33.86
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	127.49	33.86
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	132.46	35.27
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	135.48	35.27

11 13 19 Stationary Loading Dock Equipment *(11 13)*

11 13 19 13 Loading Dock Levelers *(11 13 19)*

11 13 19 13-0001 Hydraulic Dock Levelers *(11 13 19 13)*

Note: Excludes control panel, remote operator, and electrical wiring.

11 13 19 13-0002 20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,770.35	1,222.85
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,395.01	1,358.73
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,449.73	1,630.48
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	9,331.03	1,358.73
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	10,124.68	1,494.60
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	12,132.59	1,766.34

11 13 19 13-0009 25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,937.42	1,222.85
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,565.60	1,358.73
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	11,609.51	1,630.48
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,492.22	1,358.73
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	10,272.60	1,494.60
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,446.45	1,766.34

11 13 19 13-0016 30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,381.68	1,426.66
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,986.77	1,630.48
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	12,135.29	1,902.22
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,986.77	1,630.48
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	10,724.53	1,834.28
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	12,873.08	1,970.15

11 13 19 13-0023 35,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,705.21	1,494.60
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	10,312.30	1,698.40
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	11,662.22	1,970.15
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	10,312.30	1,698.40
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	11,205.64	1,902.22
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	13,413.98	2,038.09

11 13 19 13-0030 40,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	10,226.95	1,494.60
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,833.06	1,698.40
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	13,023.43	1,970.15
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	10,833.06	1,698.40
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	11,727.62	1,902.22
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	13,935.52	2,038.09

11 13 19 13-0037 45,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,698.93	1,562.54
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	11,317.57	1,766.34
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	13,493.31	2,038.09
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	11,319.62	1,766.34
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	12,204.80	1,970.15
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	14,394.11	2,106.03

11 13 19 13-0044 Manual Dock Levelers *(11 13 19 13)*

11 13 19 13-0045 20,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*

11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	7,073.41	1,222.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	7,708.79	1,358.73
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	9,752.80	1,630.48
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	7,635.62	1,358.73
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	8,427.75	1,494.60
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	10,608.72	1,630.48
11 13 19 13-0052		40,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	8,680.11	1,358.73
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	9,286.22	1,494.60
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	10,162.53	1,766.34
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	9,286.22	1,494.60
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	10,531.50	1,630.48
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	12,388.67	1,902.22
11 13 19 13-0059		Edge Of Dock Levelers *(11 13 19 13)* Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers *(11 13 19 13-0059)* Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,493.50	407.61
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,808.19	407.61
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,762.65	407.61
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,194.67	407.61
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,636.38	407.61
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,944.81	407.61
11 13 19 13-0067		Manual Edge Of Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,488.85	407.61
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,678.43	407.61
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,736.40	407.61
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,878.58	407.61
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,168.91	407.61
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,575.97	407.61
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,875.44	407.61
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,918.47	407.61
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,509.62	407.61
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,752.32	407.61
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,485.13	407.61
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	18,135.75	283.71
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	11,625.99	283.71
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	20,743.17	425.56
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	36,292.93	851.13
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	38,128.95	1,134.84
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	34,555.61	2,320.83
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	39,591.18	2,784.99
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	11,466.12	509.53
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	11,965.53	509.53
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,397.92	509.53
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	447.37	120.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	549.09	120.20
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	253.27	96.16
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	494.92	160.27
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	535.83	160.27
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	486.51	160.27
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	610.93	160.27
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	706.30	160.27
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	764.75	160.27
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	811.49	160.27
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	479.94	160.27
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	516.92	160.27
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	548.49	160.27

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001		Ranges With Ovens *(11 30 13 13)* Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0003	EA	20" Electric Range With Oven	907.18	126.37
		For Stainless Steel, Add	*163.61*	
11 30 13 13-0004	EA	24" Electric Range With Oven	944.69	126.37
		For Stainless Steel, Add	*172.99*	
11 30 13 13-0005	EA	30" Electric Range With Oven	874.57	126.37
		For Stainless Steel, Add	*187.05*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	1,080.27	126.37
11 30 13 13-0007		Gas Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0008	EA	20" Gas Range With Oven	1,000.94	126.37
		For Stainless Steel, Add	*187.05*	
11 30 13 13-0009	EA	24" Gas Range With Oven	1,049.70	126.37
		For Stainless Steel, Add	*199.24*	
11 30 13 13-0010	EA	30" Gas Range With Oven	1,094.70	126.37
		For Stainless Steel, Add	*210.49*	
11 30 13 13-0011		Range Hoods *(11 30 13 13)*		
11 30 13 13-0012		Venting Range Hoods *(11 30 13 13-0011)*		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	337.12	94.78
		For Stainless Steel, Add	*22.13*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	315.20	94.78
		For Stainless Steel, Add	*18.85*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	311.35	94.78
		For Stainless Steel, Add	*18.27*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	315.20	94.78
		For Stainless Steel, Add	*18.85*	
11 30 13 13-0017		Non-Ducted Range Hoods *(11 30 13 13-0011)*		
11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	339.95	94.78
		For Stainless Steel, Add	*22.56*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	318.10	94.78
		For Stainless Steel, Add	*19.28*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	314.24	94.78
		For Stainless Steel, Add	*18.70*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	318.10	94.78
		For Stainless Steel, Add	*19.28*	
11 30 13 13-0022		Microwaves *(11 30 13 13)*		
11 30 13 13-0023		Countertop Microwaves *(11 30 13 13-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	185.36	15.80
		For Stainless Steel, Add	*23.07*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	219.09	15.80
		For Stainless Steel, Add	*28.13*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	224.72	15.80
		For Stainless Steel, Add	*28.97*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	273.49	15.80
		For Stainless Steel, Add	*36.29*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	292.24	15.80
		For Stainless Steel, Add	*39.10*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	310.99	15.80
		For Stainless Steel, Add	*41.91*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	329.75	15.80
		For Stainless Steel, Add	*44.72*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	348.50	15.80
		For Stainless Steel, Add	*47.54*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	369.11	15.80
		For Stainless Steel, Add	*50.63*	

11 30 13 13-0033 Over-The-Range Microwaves *(11 30 13 13-0022)*

11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	668.81	126.35
		For Stainless Steel, Add	*71.89*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	750.21	126.35
		For Stainless Steel, Add	*84.10*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	776.45	126.35
		For Stainless Steel, Add	*88.04*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	973.34	126.35
		For Stainless Steel, Add	*117.57*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	787.72	126.35
		For Stainless Steel, Add	*89.73*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	560.16	94.77

11 30 13 13-0040 Trash Compactors *(11 30 13 13)*

11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,469.74	126.37
		For Stainless Steel, Add	*219.06*	

11 30 13 13-0042 Refrigerators *(11 30 13 13)*

11 30 13 13-0043 Top Freezer Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	726.42	63.19
		For Stainless Steel, Add	*90.01*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	874.57	63.19
		For Stainless Steel, Add	*112.23*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	970.19	63.19
		For Stainless Steel, Add	*126.57*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	1,026.45	63.19
		For Stainless Steel, Add	*135.01*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,176.46	63.19
		For Stainless Steel, Add	*157.51*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,305.87	63.19
		For Stainless Steel, Add	*176.93*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,401.49	63.19
		For Stainless Steel, Add	*191.27*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,399.05	63.19

11 30 13 13-0052 Side-By-Side Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,438.79	63.19
		For Stainless Steel, Add	*196.86*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,776.53	63.19
		For Stainless Steel, Add	*247.52*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	2,001.55	63.19
		For Stainless Steel, Add	*281.28*	

11 30 13 13-0056 Other Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	247.15	31.60
		For Stainless Steel, Add	*27.59*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	331.53	31.60
		For Stainless Steel, Add	*40.25*	

11 30 13 13-0059 Freezers *(11 30 13 13)*

11 30 13 13-0060 Upright Freezers *(11 30 13 13-0059)*

11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	687.05	63.19
		For Stainless Steel, Add	*84.10*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	874.57	63.19
		For Stainless Steel, Add	*112.23*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	930.83	63.19
		For Stainless Steel, Add	*120.67*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,062.09	63.19
		For Stainless Steel, Add	*140.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,213.97	63.19
		For Stainless Steel, Add	*163.14*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,288.99	63.19
		For Stainless Steel, Add	*174.39*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,345.23	63.19
		For Stainless Steel, Add	*182.83*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	557.65	63.19
		For Stainless Steel, Add	*64.69*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	688.91	63.19
		For Stainless Steel, Add	*84.38*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	735.81	63.19
		For Stainless Steel, Add	*91.42*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	820.18	63.19
		For Stainless Steel, Add	*104.07*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	874.57	63.19
		For Stainless Steel, Add	*112.23*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,062.09	63.19
		For Stainless Steel, Add	*140.36*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,305.87	63.19
		For Stainless Steel, Add	*176.93*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,345.23	63.19
		For Stainless Steel, Add	*182.83*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,499.23	126.37
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,780.51	126.37
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,246.58	126.37
		For Stainless Steel, Add	*149.08*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	852.79	126.37
		For Stainless Steel, Add	*90.01*	
11 30 13 13-0083		**Automatic Water Softener** *(11 30 13 13)*		
11 30 13 13-0084	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,357.74	288.32
11 30 13 13-0085	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,588.09	288.32
11 30 13 13-0086		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0087	EA	Removal And Reinstallation Of Garbage Disposal	189.56	
11 30 13 13-0088	EA	Removal And Reinstallation Of Stove/Range	379.13	
11 30 13 13-0089	EA	Removal And Reinstallation Of Dishwasher	404.40	
11 30 13 13-0090	EA	Removal And Reinstallation Of Range Hood	189.56	
11 30 13 13-0091	EA	Removal And Reinstallation Of Washer And Dryer	315.94	
11 30 13 13-0092		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0093	EA	8" Burner Replacement	40.51	
11 30 13 13-0094	EA	4" Burner Element Replacement	69.20	
11 30 13 13-0095	EA	8" Burner Element Replacement	79.81	
11 30 13 13-0096	EA	Burner Manifold Replacement	282.65	
11 30 13 13-0097	EA	Burner Switch Replacement	110.74	
11 30 13 13-0098	EA	Burner Tube, 5/8" x 4' Replacement	54.42	
11 30 13 13-0099	EA	Oven Control Replacement	131.02	
11 30 13 13-0100	EA	Oven Door Gasket Replacement	55.73	
11 30 13 13-0101	EA	Oven Element Replacement	122.38	
11 30 13 13-0102	EA	Oven Igniter Replacement	87.77	
11 30 13 13-0103	EA	Oven Knobs Replacement	66.31	
11 30 13 13-0104		**Accessories** *(11 30 13 13)*		
11 30 13 13-0105	SF	Colored Metal Range Splash Plate	20.97	5.06
11 30 13 13-0106	SF	Stainless Steel Range Splash Plate	29.70	5.06
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		**Washing Machines And Dryers** *(11 30 13 23)*		
11 30 13 23-0002		**Washing Machines** *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	958.37	126.37
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,502.18	126.37
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,970.98	126.37
11 30 13 23-0006		**Dryers** *(11 30 13 23-0001)*		
11 30 13 23-0007		**Electric Dryers** *(11 30 13 23-0006)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	750.24	126.37
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	939.62	126.37
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,145.89	126.37
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,295.91	126.37
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	883.37	126.37
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,070.89	126.37
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,258.20	126.37
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,427.17	126.37

11 30 33 Retractable Stairs *(11 30)*

11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	925.70	282.31
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	943.06	282.31
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	943.06	282.31
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	959.99	282.31
11 30 33 00-0007		350 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,084.16	282.31
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,119.26	282.31
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,104.83	282.31
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,138.36	282.31
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,124.87	282.31
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,182.83	282.31
11 30 33 00-0014		400 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
		Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,147.09	282.31
11 30 33 00-0016	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,220.38	282.31
11 30 33 00-0017	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,293.66	282.31
11 30 33 00-0018	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,342.52	282.31
11 30 33 00-0019		600 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
		Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0020	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,513.53	282.31
		For Ladder Width 18 7/8" Wide, Add	*271.16*	
11 30 33 00-0021	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,562.38	282.31
		For Ladder Width 18 7/8" Wide, Add	*278.49*	
11 30 33 00-0022	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,586.81	282.31
		For Ladder Width 18 7/8" Wide, Add	*282.15*	
11 30 33 00-0023	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,660.10	282.31
		For Ladder Width 18 7/8" Wide, Add	*293.15*	
11 30 33 00-0024	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,828.39	282.31
		For Ladder Width 18 7/8" Wide, Add	*307.81*	
11 30 33 00-0025	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,950.53	282.31
		For Ladder Width 18 7/8" Wide, Add	*326.13*	
11 30 33 00-0026	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,072.68	282.31
		For Ladder Width 18 7/8" Wide, Add	*344.45*	
11 30 33 00-0027		800 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
		Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0028	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,636.13	282.31
11 30 33 00-0029	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,684.99	282.31
11 30 33 00-0030	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,733.85	282.31
11 30 33 00-0031	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,855.99	282.31
11 30 33 00-0032	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,999.87	282.31
11 30 33 00-0033	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,073.16	282.31
11 30 33 00-0034	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,195.30	282.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0035	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,436.88	282.31
11 30 33 00-0036	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,656.75	282.31
11 30 33 00-0037	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,925.46	282.31
11 30 33 00-0038	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,169.76	282.31
11 30 33 00-0039		300 Lb. Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0040	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	902.61	282.31
11 30 33 00-0041	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	934.06	282.31
11 30 33 00-0042	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	911.37	282.31
11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	942.81	282.31
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	1,117.90	282.31
11 30 33 00-0045		300 Lb. Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	973.84	282.31
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	1,017.29	282.31

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	420.98	98.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	502.77	127.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	641.01	176.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	743.96	211.73
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,149.93	317.60
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,350.00	352.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	966.43	225.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,111.72	282.31
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	592.83	119.98
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	821.14	169.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	895.85	190.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	956.45	204.67
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,105.90	247.02
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	899.99	176.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	1,021.20	204.67
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	955.99	127.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,126.60	176.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,318.39	239.96
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,538.41	317.60
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,682.01	324.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,803.22	352.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,835.60	352.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,975.06	374.07
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,114.53	395.24
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,268.10	423.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,527.09	423.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	2,938.90	564.62
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,774.06	176.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,998.22	239.96
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,218.24	317.60
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,329.47	324.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,483.06	352.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,515.43	352.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,654.89	374.07
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,715.49	388.18
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,045.06	423.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,336.41	423.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,812.97	564.62
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,629.81	158.80
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,692.69	176.44
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,815.70	211.73
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,264.72	317.60
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,345.05	324.66
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,553.27	352.89
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,622.25	352.89
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,804.10	377.59
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,024.25	395.24
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,171.77	423.47
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,295.93	423.47
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,793.47	564.62

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,347.10	423.47
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,888.41	564.62
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,518.71	635.20
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,983.60	705.78
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,589.64	846.94
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,701.98	917.52
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,717.23	988.09
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,364.69	988.09
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,326.82	1,129.25
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,320.63	917.52
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,067.83	1,129.25
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,673.87	1,270.40
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,109.26	988.09
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	16,911.17	1,270.40

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,817.77	158.80
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,950.18	176.44
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,085.51	211.73
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,523.85	317.60
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,602.70	324.66
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,853.41	352.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,047.65	352.89
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,194.17	377.59
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,391.32	395.24
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,577.28	423.47
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,642.02	423.47
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,248.07	564.62
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,836.61	599.91
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,230.92	635.20
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,084.29	705.78
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,528.46	846.94

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,833.63	158.80
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,949.54	194.09
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,013.96	211.73
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,319.57	317.60
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,362.82	324.66
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,542.31	352.89
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,713.88	352.89
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,993.13	377.59
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,073.74	395.24
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,269.42	423.47
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,281.08	494.05
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,875.46	564.62
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,558.20	599.91
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,936.33	635.20
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,676.39	705.78
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,094.66	846.94
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,996.58	917.52
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,678.38	988.09
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,151.02	988.09
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	13,443.36	1,129.25
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,013.96	211.73
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,248.99	282.31
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,348.71	317.60
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,106.12	395.24
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,549.77	494.05
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,123.76	635.20
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,652.12	776.35
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,153.95	1,058.67
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,265.18	282.31
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,397.27	317.60
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,533.50	338.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,619.10	367.01
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,950.73	395.24
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,426.75	494.05
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,036.36	635.20
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,296.34	776.35
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,278.22	917.52
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,126.89	158.80
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,228.40	176.44
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,348.64	211.73
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,731.44	317.60
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,800.74	324.66
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,975.85	352.89
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,160.72	352.89
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,328.76	377.59
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,452.35	395.24
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,649.53	423.47
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,839.91	423.47
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,282.27	564.62
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,881.92	352.89
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,929.51	423.47
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,554.34	635.20
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,380.54	846.94
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,928.97	988.09
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,788.36	352.89
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,256.80	423.47
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,272.03	494.05
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,957.07	635.20
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,929.29	352.89
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,173.71	388.18
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,066.00	423.47
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,653.67	458.76
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,015.48	13,521.44
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,565.26	564.62
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,932.27	635.20
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,881.76	705.78
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	30,074.93	776.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	40,193.80	846.94
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	79.44	10.59
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	111.81	11.29
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	131.24	12.70
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	808.98	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,165.09	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	2,075.82	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	52.53	5.08
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,419.63	70.58
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,643.36	70.58
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,170.74	70.58
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,417.25	70.58
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,976.59	70.58
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,047.32	70.58
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,019.78	70.58
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,864.40	70.58
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,122.15	70.58
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	320.91	77.60
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	519.30	77.60
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)* Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	117.72	35.27
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	158.44	35.27
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	218.71	35.27
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	272.04	35.27
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	396.98	35.27
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	871.64	35.27
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)* Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	68.87	10.58
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	88.97	10.58
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	96.50	10.58
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	101.52	10.58
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	121.14	14.11
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	146.25	14.11
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	186.43	14.11
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	214.06	14.11
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	251.24	17.64
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	286.40	17.64
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	318.56	21.16
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	333.63	21.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	140.74	17.64
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	216.08	17.64
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	221.11	17.64
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	228.64	17.64
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	248.25	21.16
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	260.80	21.16
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	288.43	21.16
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	313.54	21.16
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	348.22	24.69
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	373.34	24.69
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	408.01	28.22
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	425.59	28.22

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 23 Gymnasium Equipment *(11 66)*

11 66 23 53 Wall Padding *(11 66 23)*

11 66 23 53-0001		Gymnasium Wall Padding *(11 66 23 53)*		
		Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.		
11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	17.60	2.33
		Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.64*	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	23.51	2.57
		Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.64*	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	27.07	2.33
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.64*	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	42.26	2.57
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.64*	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	34.51	2.33
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.64*	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	51.16	2.57
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.64*	
11 66 23 53-0008		Gymnasium Wall Padding Accessories *(11 66 23 53)*		
11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads	11.60	3.39
		Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.		
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads	17.22	3.39
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads	17.93	3.39
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.		
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads	58.50	

11 66 53 Gymnasium Dividers *(11 66)*

11 66 53 11 Gymnasium Dividers *(11 66 53)*

11 66 53 11-0001		Gymnasium Dividers *(11 66 53 11)*		
11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	9.88	1.41
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	17.60	1.41

11 68 Play Field Equipment and Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001		Standalone Playground Equipment *(11 68 13)*		
11 68 13 00-0002		Ground Socket For Movable Posts *(11 68 13 00-0001)*		
11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	336.22	85.73
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	471.54	85.73
11 68 13 00-0005		Swings *(11 68 13 00-0001)*		
11 68 13 00-0006		Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0005)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0007	EA	8' High Top Rail, One Section Two Seats	1,926.88	466.49
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*218.63*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*226.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0008	EA	8' High Top Rail, Two Sections Four Seats	3,043.51	667.55
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*347.10*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*365.90*	
11 68 13 00-0009	EA	8' High Top Rail, Three Sections, Six Seats	4,221.04	982.27
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*480.84*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*504.72*	
11 68 13 00-0010	EA	8' High Top Rail, Four Sections, Eight Seats	5,267.82	1,143.06
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*601.31*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*636.04*	
11 68 13 00-0011	EA	10' High Top Rail, One Section Two Seats	2,033.89	466.49
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*232.01*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*244.80*	
11 68 13 00-0012	EA	10' High Top Rail, Two Section Four Seats	3,205.42	710.99
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*364.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*378.35*	
11 68 13 00-0013	EA	10' High Top Rail, Three Sections, Six Seats	4,458.15	1,104.08
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*504.67*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*517.21*	
11 68 13 00-0014	EA	10' High Top Rail, Four Sections, Eight Seats	5,862.32	1,333.58
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*666.08*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*692.38*	

11 68 13 00-0015 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0005)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0016	EA	8' High Top Rail, One Section, Two Seats	2,135.56	412.01
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*246.34*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*270.71*	
11 68 13 00-0017	EA	8' High Top Rail, Two Sections, Four Seats	3,099.43	597.82
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*357.54*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*392.95*	
11 68 13 00-0018	EA	8' High Top Rail, Three Sections, Six Seats	4,136.45	799.52
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*477.08*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*524.00*	
11 68 13 00-0019	EA	8' High Top Rail, Four Sections, Eight Seats	5,134.97	952.56
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*594.24*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*660.45*	
11 68 13 00-0020	EA	10' High Top Rail, One Section, Two Seats	2,408.06	464.34
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*277.79*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*305.33*	
11 68 13 00-0021	EA	10' High Top Rail, One Section Three Seats	2,503.63	492.41
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*289.50*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*320.86*	
11 68 13 00-0022	EA	10' High Top Rail, Two Sections, Four Seats	3,363.13	650.03
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*387.89*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*426.03*	
11 68 13 00-0023	EA	10' High Top Rail, Two Sections, Six Seats	3,996.39	749.34
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*463.85*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*520.87*	
11 68 13 00-0024	EA	10' High Top Rail, Three Section, Six Seats	4,476.37	864.80
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*516.30*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*567.15*	
11 68 13 00-0025	EA	10' High Top Rail, Three Sections, Nine Seats	5,484.22	952.93
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*637.89*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*721.57*	
11 68 13 00-0026	EA	10' High Top Rail, Four Section, Eight Seats	5,711.44	1,143.06
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*656.76*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*713.67*	
11 68 13 00-0027	EA	12' High Top Rail, One Section Three Seats	2,611.22	504.35
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*302.37*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*336.82*	
11 68 13 00-0028	EA	12' High Top Rail, Two Sections, Six Seats	4,241.50	811.45
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*491.53*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*548.99*	
11 68 13 00-0029	EA	12' High Top Rail, Three Sections, Nine Seats	6,283.21	1,299.67
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*721.90*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*782.04*	

11 68 13 00-0030 Swing Accessories *(11 68 13 00-0005)*

11 68 13 00-0031	EA	Enclosed Tot Seat With Chain And Hardware	565.84	38.26
11 68 13 00-0032	EA	Bucket Seat With Chain And Hardware	470.40	31.82
11 68 13 00-0033	EA	Belt Seat With Chain And Hardware	501.07	33.96
11 68 13 00-0034	EA	Seat With Chain And Hardware	494.25	33.46
11 68 13 00-0035	EA	Wide Seat With Chain And Hardware	521.71	35.35
11 68 13 00-0036	EA	Handi Seat With Chain And Hardware	1,557.75	105.43
11 68 13 00-0037	LF	0.4 Lb./LF Replacement Chain	6.78	0.75
11 68 13 00-0038	LF	1 Lb./LF Replacement Chain	12.58	1.52
11 68 13 00-0039	EA	Swing Hanger Replacement	73.53	8.71

11 68 13 00-0040 Playground Equipment (Landscape Structures®) *(11 68 13)*

Note: Excludes excavation and concrete footings.

11 68 13 00-0041 Playground Equipment (Landscape Structures® PlayShaper®) *(11 68 13 00-0040)*

Note: Ages 2 to 5 years.

11 68 13 00-0042	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	3,096.13	164.38
11 68 13 00-0043	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	7,902.37	616.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0044	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	3,225.68	164.38
11 68 13 00-0045	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	3,705.03	246.57
11 68 13 00-0046	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	3,159.10	246.57
11 68 13 00-0047	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	2,494.69	164.38
11 68 13 00-0048	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,763.03	164.38
11 68 13 00-0049	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	2,133.82	164.38
11 68 13 00-0050	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	6,068.36	493.15
11 68 13 00-0051	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	6,975.15	493.15
11 68 13 00-0052	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	7,502.58	493.15
11 68 13 00-0053	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	2,117.13	82.19
11 68 13 00-0054	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	2,180.09	164.38
11 68 13 00-0055	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,900.02	246.57
11 68 13 00-0056	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	3,223.87	246.57
11 68 13 00-0057	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	3,584.74	246.57
11 68 13 00-0058	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	2,078.31	164.38
11 68 13 00-0059	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	8,674.09	657.53
11 68 13 00-0060	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	1,236.28	164.38
11 68 13 00-0061	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,275.11	82.19
11 68 13 00-0062	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,950.93	205.47
11 68 13 00-0063	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	3,014.76	287.66
11 68 13 00-0064	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	3,505.17	287.66
11 68 13 00-0065	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,234.93	164.38
11 68 13 00-0066	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	3,475.51	164.38
11 68 13 00-0067	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,615.65	164.38
11 68 13 00-0068	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,874.74	164.38
11 68 13 00-0069	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	833.73	68.49
11 68 13 00-0070	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,547.15	123.28
11 68 13 00-0071	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,382.80	315.06
11 68 13 00-0072	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,789.93	315.06
11 68 13 00-0073	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	2,457.68	164.38
11 68 13 00-0074	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	5,209.57	164.38
11 68 13 00-0075	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	3,614.30	164.38
11 68 13 00-0076	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	1,189.92	205.47
11 68 13 00-0077	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	1,221.50	205.47
11 68 13 00-0078	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	1,276.40	205.47
11 68 13 00-0079	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,225.11	41.09
11 68 13 00-0080	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	457.12	41.09
11 68 13 00-0081	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	4,422.77	287.66
11 68 13 00-0082	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	2,331.43	205.47
11 68 13 00-0083	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,400.01	68.49
11 68 13 00-0084	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,746.34	82.19
11 68 13 00-0085	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	398.42	51.78
11 68 13 00-0086	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	2,135.64	82.19
11 68 13 00-0087	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	880.94	123.28
11 68 13 00-0088	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,653.07	123.28
11 68 13 00-0089	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	5,951.69	328.77
11 68 13 00-0090	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	5,951.69	328.77
11 68 13 00-0091	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,716.76	164.38
11 68 13 00-0092	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	2,050.55	164.38
11 68 13 00-0093	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	2,070.87	82.19
11 68 13 00-0094	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,672.31	82.19
11 68 13 00-0095	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,975.85	164.38
11 68 13 00-0096	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	4,924.61	328.77
11 68 13 00-0097	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	4,924.61	328.77
11 68 13 00-0098	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	4,924.61	328.77
11 68 13 00-0099	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	4,924.61	328.77
11 68 13 00-0100	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	938.27	41.09
11 68 13 00-0101	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,422.20	27.40
11 68 13 00-0102	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,644.27	27.40
11 68 13 00-0103	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,792.32	27.40
11 68 13 00-0104	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	984.54	41.09
11 68 13 00-0105	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	774.49	27.40
11 68 13 00-0106	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	2,245.72	27.40
11 68 13 00-0107	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	617.19	27.40
11 68 13 00-0108	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	734.71	41.09
11 68 13 00-0109	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,912.61	27.40
11 68 13 00-0110	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,206.61	41.09
11 68 13 00-0111	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,682.24	82.19
11 68 13 00-0112	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,796.04	68.49
11 68 13 00-0113	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,750.72	123.28
11 68 13 00-0114	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	1,246.39	27.40
11 68 13 00-0115	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,863.57	41.09
11 68 13 00-0116	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,280.63	41.09
11 68 13 00-0117	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,645.23	82.19
11 68 13 00-0118	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	568.15	41.09
11 68 13 00-0119	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,731.27	68.49
11 68 13 00-0120	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,346.36	109.59
11 68 13 00-0121	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,598.01	27.40
11 68 13 00-0122	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	617.19	27.40
11 68 13 00-0123	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	854.99	41.09
11 68 13 00-0124	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	617.19	27.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0125	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	793.00	27.40
11 68 13 00-0126	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,528.65	123.28
11 68 13 00-0127	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,632.25	41.09
11 68 13 00-0128	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,243.62	41.09
11 68 13 00-0129	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,203.85	68.49
11 68 13 00-0130	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	704.18	68.49
11 68 13 00-0131	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	614.42	41.09
11 68 13 00-0132	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,704.46	123.28
11 68 13 00-0133	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,972.79	123.28
11 68 13 00-0134	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	561.67	27.40
11 68 13 00-0135	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	783.74	27.40
11 68 13 00-0136	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	167.49	27.40
11 68 13 00-0137	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	910.51	41.09
11 68 13 00-0138	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,213.10	68.49
11 68 13 00-0139	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	704.18	68.49
11 68 13 00-0140	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	972.52	68.49
11 68 13 00-0141	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	163.79	27.40
11 68 13 00-0142	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	302.59	27.40
11 68 13 00-0143	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	404.37	27.40
11 68 13 00-0144	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	237.82	27.40
11 68 13 00-0145	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	642.18	41.09
11 68 13 00-0146	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	660.68	41.09
11 68 13 00-0147	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	669.93	41.09
11 68 13 00-0148	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	688.44	41.09
11 68 13 00-0149	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	697.69	41.09
11 68 13 00-0150	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	716.20	41.09
11 68 13 00-0151	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	670.04	246.57
11 68 13 00-0152	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	979.01	82.19
11 68 13 00-0153	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,837.73	164.38
11 68 13 00-0154	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	2,032.04	164.38
11 68 13 00-0155	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,160.23	164.38
11 68 13 00-0156	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,826.45	164.38
11 68 13 00-0157	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,055.80	68.49
11 68 13 00-0158	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	1,009.53	68.49
11 68 13 00-0159	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	1,028.04	68.49
11 68 13 00-0160	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	827.24	41.09
11 68 13 00-0161	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,706.38	246.57
11 68 13 00-0162	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,567.58	246.57
11 68 13 00-0163	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,447.30	246.57
11 68 13 00-0164	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	200.80	27.40
11 68 13 00-0165	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	178.60	27.40
11 68 13 00-0166	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	256.32	27.40
11 68 13 00-0167	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	215.61	27.40
11 68 13 00-0168	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	311.84	27.40
11 68 13 00-0169	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,175.79	328.77
11 68 13 00-0170	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,610.68	328.77
11 68 13 00-0171	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,795.74	328.77
11 68 13 00-0172	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,876.55	82.19
11 68 13 00-0173	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,839.54	82.19
11 68 13 00-0174	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,821.04	82.19
11 68 13 00-0175	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,793.28	82.19
11 68 13 00-0176	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,765.52	82.19
11 68 13 00-0177	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,747.01	82.19
11 68 13 00-0178	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,728.51	82.19
11 68 13 00-0179	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,710.00	82.19
11 68 13 00-0180	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	429.36	41.09
11 68 13 00-0181	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	410.85	41.09
11 68 13 00-0182	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	383.09	41.09
11 68 13 00-0183	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	373.84	41.09
11 68 13 00-0184	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	364.59	41.09
11 68 13 00-0185	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	355.33	41.09
11 68 13 00-0186	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	836.60	246.57
11 68 13 00-0187	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	799.59	246.57
11 68 13 00-0188	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	790.33	246.57
11 68 13 00-0189	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	438.61	41.09
11 68 13 00-0190	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	429.36	41.09
11 68 13 00-0191	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	410.85	41.09
11 68 13 00-0192	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	383.09	41.09
11 68 13 00-0193	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	373.84	41.09
11 68 13 00-0194	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	503.38	41.09
11 68 13 00-0195	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	494.13	41.09
11 68 13 00-0196	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	466.37	41.09
11 68 13 00-0197	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	457.12	41.09
11 68 13 00-0198	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	447.86	41.09
11 68 13 00-0199	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	429.36	41.09
11 68 13 00-0200	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	410.85	41.09
11 68 13 00-0201	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	383.09	41.09
11 68 13 00-0202	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,817.97	294.43
11 68 13 00-0203	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,781.17	290.62
11 68 13 00-0204	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,265.49	236.79

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11 68 13 00-0205	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,228.55	232.85
11 68 13 00-0206	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	460.43	48.12
11 68 13 00-0207	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	442.03	46.22
11 68 13 00-0208	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	500.97	52.31
11 68 13 00-0209	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	478.85	50.03
11 68 13 00-0210	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	9,169.93	410.96
11 68 13 00-0211	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,889.41	246.57
11 68 13 00-0212		Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-0040)*		
11 68 13 00-0213	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	4,043.77	410.96
11 68 13 00-0214	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	4,552.68	410.96
11 68 13 00-0215	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	5,587.21	493.15
11 68 13 00-0216	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	4,175.12	328.77
11 68 13 00-0217	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,648.57	547.94
11 68 13 00-0218	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,621.08	246.57
11 68 13 00-0219	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	12,382.73	739.72
11 68 13 00-0220	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	11,092.74	493.15
11 68 13 00-0221	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	8,179.86	410.96
11 68 13 00-0222	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,636.29	452.05
11 68 13 00-0223	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	12,549.18	534.24
11 68 13 00-0224	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	14,005.63	575.34
11 68 13 00-0225	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,815.15	493.15
11 68 13 00-0226	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,994.80	410.96
11 68 13 00-0227	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	9,404.97	452.05
11 68 13 00-0228	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	12,225.32	534.24
11 68 13 00-0229	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	13,635.51	575.34
11 68 13 00-0230	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	463.61	68.49
11 68 13 00-0231	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	472.86	68.49
11 68 13 00-0232	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	482.11	68.49
11 68 13 00-0233	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	491.37	68.49
11 68 13 00-0234	EA	Track Ride Curved (Landscape Structures® 118093A)	4,502.59	164.38
11 68 13 00-0235	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,928.89	493.15
11 68 13 00-0236	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,743.83	493.15
11 68 13 00-0237	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,855.54	493.15
11 68 13 00-0238	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	5,485.42	493.15
11 68 13 00-0239	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	6,086.87	493.15
11 68 13 00-0240	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	5,901.81	493.15
11 68 13 00-0241	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	590.39	82.19
11 68 13 00-0242	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	20,603.23	986.30
11 68 13 00-0243	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	18,029.29	1,479.44
11 68 13 00-0244	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	6,162.91	821.91
11 68 13 00-0245	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	7,302.63	328.77
11 68 13 00-0246	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	11,918.28	821.91
11 68 13 00-0247	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	772.67	109.59
11 68 13 00-0248	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	2,455.87	246.57
11 68 13 00-0249	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	3,094.33	246.57
11 68 13 00-0250	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	725.56	246.57
11 68 13 00-0251	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	984.65	246.57
11 68 13 00-0252	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	1,460.37	493.15
11 68 13 00-0253	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	2,024.80	493.15
11 68 13 00-0254	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	1,460.37	493.15
11 68 13 00-0255	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	2,024.80	493.15
11 68 13 00-0256	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	6,036.98	657.53
11 68 13 00-0257	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	5,809.28	493.15
11 68 13 00-0258	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	2,703.89	328.77
11 68 13 00-0259	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	1,071.54	82.19
11 68 13 00-0260	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	954.96	123.28
11 68 13 00-0261	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	15,289.98	657.53
11 68 13 00-0262	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	15,883.99	575.34
11 68 13 00-0263	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	4,365.81	493.15
11 68 13 00-0264	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	4,467.59	493.15
11 68 13 00-0265	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	5,200.39	410.96
11 68 13 00-0266	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	3,666.20	328.77
11 68 13 00-0267	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,552.70	82.19
11 68 13 00-0268	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	2,309.63	164.38
11 68 13 00-0269	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	2,217.10	164.38
11 68 13 00-0270	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	620.91	68.49
11 68 13 00-0271	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	8,266.96	657.53
11 68 13 00-0272	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	3,024.12	493.15
11 68 13 00-0273	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,839.06	493.15
11 68 13 00-0274	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	3,523.79	493.15
11 68 13 00-0275	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	2,265.18	82.19
11 68 13 00-0276	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	3,205.37	246.57
11 68 13 00-0277	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	5,738.87	328.77
11 68 13 00-0278	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	8,263.14	410.96
11 68 13 00-0279	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	3,345.97	164.38
11 68 13 00-0280	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,892.57	164.38
11 68 13 00-0281	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	3,697.58	164.38
11 68 13 00-0282	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	3,197.92	164.38
11 68 13 00-0283	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	4,456.33	164.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0284	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,975.17	164.38
11 68 13 00-0285	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	422.88	27.40
11 68 13 00-0286	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	348.85	27.40
11 68 13 00-0287	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,628.63	205.47
11 68 13 00-0288	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,436.12	123.28
11 68 13 00-0289	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,517.59	205.47
11 68 13 00-0290	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	2,215.30	246.57
11 68 13 00-0291	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	339.60	27.40
11 68 13 00-0292	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	284.08	27.40
11 68 13 00-0293	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,869.20	205.47
11 68 13 00-0294	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,909.95	246.57
11 68 13 00-0295	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,891.44	246.57
11 68 13 00-0296	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	2,215.30	246.57
11 68 13 00-0297	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,850.70	205.47
11 68 13 00-0298	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,891.44	246.57
11 68 13 00-0299	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,783.44	287.66
11 68 13 00-0300	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,900.02	246.57
11 68 13 00-0301	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	2,533.61	287.66
11 68 13 00-0302	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,640.93	246.57
11 68 13 00-0303	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,906.22	205.47
11 68 13 00-0304	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,550.88	164.38
11 68 13 00-0305	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,591.62	205.47
11 68 13 00-0306	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,573.11	205.47
11 68 13 00-0307	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,906.22	205.47
11 68 13 00-0308	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,541.63	164.38
11 68 13 00-0309	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,573.11	205.47
11 68 13 00-0310	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,952.48	205.47
11 68 13 00-0311	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	2,082.02	205.47
11 68 13 00-0312	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,989.49	205.47
11 68 13 00-0313	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,652.67	164.38
11 68 13 00-0314	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,772.96	164.38
11 68 13 00-0315	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,689.68	164.38
11 68 13 00-0316	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	12,071.96	986.30
11 68 13 00-0317	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	6,412.54	410.96
11 68 13 00-0318	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	7,726.46	410.96
11 68 13 00-0319	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	23,577.47	1,643.83
11 68 13 00-0320	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	4,064.08	328.77
11 68 13 00-0321	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	2,252.31	246.57
11 68 13 00-0322	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	44,310.23	2,630.12
11 68 13 00-0323	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	24,588.06	1,972.59
11 68 13 00-0324	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	22,358.08	1,972.59
11 68 13 00-0325	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	10,580.20	657.53
11 68 13 00-0326	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,537.90	123.28
11 68 13 00-0327	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,713.71	123.28
11 68 13 00-0328	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	5,485.42	493.15
11 68 13 00-0329	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	1,167.78	123.28
11 68 13 00-0330	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	1,260.31	123.28
11 68 13 00-0331	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	5,350.41	657.53
11 68 13 00-0332	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	5,194.96	657.53
11 68 13 00-0333	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	3,340.50	328.77
11 68 13 00-0334	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	3,185.04	328.77
11 68 13 00-0335	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,811.31	493.15
11 68 13 00-0336	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,966.76	493.15
11 68 13 00-0337	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,983.97	246.57
11 68 13 00-0338	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	2,139.42	246.57
11 68 13 00-0339	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	3,209.18	493.15
11 68 13 00-0340	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	3,364.63	493.15
11 68 13 00-0341	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	2,381.85	246.57
11 68 13 00-0342	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	2,537.30	246.57
11 68 13 00-0343	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	1,182.58	82.19
11 68 13 00-0344	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	6,101.75	657.53
11 68 13 00-0345	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	4,230.63	328.77
11 68 13 00-0346	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	5,565.08	657.53
11 68 13 00-0347	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,564.42	328.77
11 68 13 00-0348	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,768.66	328.77
11 68 13 00-0349	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,161.30	109.59
11 68 13 00-0350	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	2,063.52	205.47
11 68 13 00-0351	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	4,360.18	328.77
11 68 13 00-0352	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,859.84	328.77
11 68 13 00-0353	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	4,350.92	328.77
11 68 13 00-0354	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,850.58	328.77
11 68 13 00-0355	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	21,994.02	2,958.89
11 68 13 00-0356	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	21,383.32	2,958.89
11 68 13 00-0357	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	13,845.32	1,972.59
11 68 13 00-0358	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	14,104.41	1,972.59
11 68 13 00-0359	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	3,083.26	328.77
11 68 13 00-0360	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,990.73	328.77
11 68 13 00-0361	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	29.43	13.70
11 68 13 00-0362	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	90.32	13.70
11 68 13 00-0363	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,079.84	27.40
11 68 13 00-0364	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	605.16	41.09
11 68 13 00-0365	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	605.16	41.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0366	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	568.15	41.09
11 68 13 00-0367	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,151.09	41.09
11 68 13 00-0368	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	975.28	41.09
11 68 13 00-0369	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	975.28	41.09
11 68 13 00-0370	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	330.35	27.40
11 68 13 00-0371	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	830.97	82.19
11 68 13 00-0372	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	429.36	41.09
11 68 13 00-0373	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	410.85	41.09
11 68 13 00-0374	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	136.03	27.40
11 68 13 00-0375	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	128.63	27.40
11 68 13 00-0376	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	11.94	4.11
11 68 13 00-0377	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.42	
11 68 13 00-0378	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	318.32	41.09
11 68 13 00-0379	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	108.27	20.55
11 68 13 00-0380	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	364.59	41.09
11 68 13 00-0381	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	309.07	41.09
11 68 13 00-0382	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,202.20	328.77
11 68 13 00-0383	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	191.55	20.55
11 68 13 00-0384	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	191.55	20.55
11 68 13 00-0385	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	191.55	20.55
11 68 13 00-0386	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	191.55	20.55
11 68 13 00-0387	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	191.55	20.55
11 68 13 00-0388	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	191.55	20.55
11 68 13 00-0389	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	200.80	20.55
11 68 13 00-0390	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,689.00	164.38
11 68 13 00-0391	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,766.73	164.38
11 68 13 00-0392	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	92.53	
11 68 13 00-0393	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,883.32	164.38
11 68 13 00-0394	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,961.04	164.38
11 68 13 00-0395	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,519.97	246.57
11 68 13 00-0396	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	28,190.69	986.30
11 68 13 00-0397	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,965.45	657.53
11 68 13 00-0398	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,965.45	657.53
11 68 13 00-0399	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,207.85	164.38
11 68 13 00-0400	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,363.30	164.38
11 68 13 00-0401	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,448.43	164.38
11 68 13 00-0402	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,603.88	164.38
11 68 13 00-0403	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,265.86	82.19
11 68 13 00-0404	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,421.31	82.19
11 68 13 00-0405	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,349.13	82.19
11 68 13 00-0406	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,504.58	82.19
11 68 13 00-0407	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,300.38	164.38
11 68 13 00-0408	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,537.25	164.38
11 68 13 00-0409	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,540.95	164.38
11 68 13 00-0410	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,777.83	164.38
11 68 13 00-0411	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,339.88	82.19
11 68 13 00-0412	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,713.74	164.38
11 68 13 00-0413	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,423.16	82.19
11 68 13 00-0414	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,797.01	164.38
11 68 13 00-0415	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,392.91	164.38
11 68 13 00-0416	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,548.36	164.38
11 68 13 00-0417	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,633.49	164.38
11 68 13 00-0418	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,788.94	164.38
11 68 13 00-0419	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,441.66	82.19
11 68 13 00-0420	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,734.09	164.38
11 68 13 00-0421	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,524.94	82.19
11 68 13 00-0422	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,817.37	164.38
11 68 13 00-0423	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,485.44	164.38
11 68 13 00-0424	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,722.31	164.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0425	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,726.01	164.38
11 68 13 00-0426	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,962.89	164.38
11 68 13 00-0427	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,524.94	82.19
11 68 13 00-0428	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,898.80	164.38
11 68 13 00-0429	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,745.20	164.38
11 68 13 00-0430	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,982.07	164.38
11 68 13 00-0431	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,207.85	164.38
11 68 13 00-0432	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,448.43	164.38
11 68 13 00-0433	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,874.74	164.38
11 68 13 00-0434	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	2,124.57	164.38
11 68 13 00-0435	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,893.25	164.38
11 68 13 00-0436	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	2,143.08	164.38
11 68 13 00-0437	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,874.74	164.38
11 68 13 00-0438	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	2,124.57	164.38
11 68 13 00-0439	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,207.85	164.38
11 68 13 00-0440	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,448.43	164.38
11 68 13 00-0441	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	2,032.04	164.38
11 68 13 00-0442	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,254.11	164.38
11 68 13 00-0443	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	2,143.08	164.38
11 68 13 00-0444	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,383.65	164.38
11 68 13 00-0445	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	2,059.80	164.38
11 68 13 00-0446	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,291.12	164.38
11 68 13 00-0447	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	2,133.82	164.38
11 68 13 00-0448	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,929.58	164.38
11 68 13 00-0449	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,441.66	82.19
11 68 13 00-0450	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,450.92	82.19
11 68 13 00-0451	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,460.17	82.19
11 68 13 00-0452	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,633.49	164.38
11 68 13 00-0453	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,519.29	246.57
11 68 13 00-0454	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,812.22	328.77
11 68 13 00-0455	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	8,494.46	410.96
11 68 13 00-0456	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	429.36	41.09
11 68 13 00-0457	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	447.86	41.09
11 68 13 00-0458	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,855.09	657.53
11 68 13 00-0459	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,848.56	328.77
11 68 13 00-0460	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	8,124.34	410.96
11 68 13 00-0461	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	8,253.88	410.96
11 68 13 00-0462	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	10,011.95	410.96
11 68 13 00-0463	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	10,141.50	410.96
11 68 13 00-0464	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	10,289.54	410.96
11 68 13 00-0465	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,712.01	493.15
11 68 13 00-0466	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,860.06	493.15
11 68 13 00-0467	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,998.86	493.15
11 68 13 00-0468	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,411.41	164.38
11 68 13 00-0469	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	2,087.56	164.38
11 68 13 00-0470	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,994.35	164.38
11 68 13 00-0471	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	2,087.56	164.38
11 68 13 00-0472	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,355.89	164.38
11 68 13 00-0473	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	2,032.04	164.38
11 68 13 00-0474	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,938.83	164.38
11 68 13 00-0475	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	2,032.04	164.38
11 68 13 00-0476	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,529.22	246.57
11 68 13 00-0477	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,473.70	246.57
11 68 13 00-0478	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	6,025.72	328.77
11 68 13 00-0479	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,970.20	328.77
11 68 13 00-0480	EA	The Peak Natural Climber (Landscape Structures® 160418A)	8,698.03	410.96
11 68 13 00-0481	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,417.51	246.57
11 68 13 00-0482	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,752.19	410.96
11 68 13 00-0483	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,941.09	328.77
11 68 13 00-0484	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,533.96	328.77
11 68 13 00-0485	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,941.09	328.77
11 68 13 00-0486	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,533.96	328.77
11 68 13 00-0487	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,315.73	246.57
11 68 13 00-0488	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,899.34	246.57
11 68 13 00-0489	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,928.68	410.96
11 68 13 00-0490	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,521.55	410.96
11 68 13 00-0491	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,899.34	246.57
11 68 13 00-0492	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,492.21	246.57
11 68 13 00-0493	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	3,797.56	246.57
11 68 13 00-0494	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,492.21	246.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0495	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,519.29	246.57
11 68 13 00-0496	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,722.86	246.57
11 68 13 00-0497	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,593.99	246.57
11 68 13 00-0498	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,492.21	246.57
11 68 13 00-0499	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,519.29	246.57
11 68 13 00-0500	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,722.86	246.57
11 68 13 00-0501	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,708.19	164.38
11 68 13 00-0502	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	1,164.07	82.19
11 68 13 00-0503	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	1,043.78	82.19
11 68 13 00-0504	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	1,339.88	82.19
11 68 13 00-0505	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,726.69	164.38
11 68 13 00-0506	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	2,587.22	164.38
11 68 13 00-0507	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,772.28	164.38
11 68 13 00-0508	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,995.03	164.38
11 68 13 00-0509	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	2,013.53	164.38
11 68 13 00-0510		**Playground Equipment (Landscape Structures® PlayBooster®)** *(11 68 13 00-0040)*		
11 68 13 00-0511	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,865.49	164.38
11 68 13 00-0512	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,995.03	164.38
11 68 13 00-0513	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	803.21	82.19
11 68 13 00-0514	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	766.19	82.19
11 68 13 00-0515	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	605.16	41.09
11 68 13 00-0516	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	595.91	41.09
11 68 13 00-0517	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	568.15	41.09
11 68 13 00-0518	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	558.90	41.09
11 68 13 00-0519	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	531.14	41.09
11 68 13 00-0520	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	521.89	41.09
11 68 13 00-0521	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	503.38	41.09
11 68 13 00-0522	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	494.13	41.09
11 68 13 00-0523	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	466.37	41.09
11 68 13 00-0524	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	457.12	41.09
11 68 13 00-0525	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	531.14	41.09
11 68 13 00-0526	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	512.63	41.09
11 68 13 00-0527	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	503.38	41.09
11 68 13 00-0528	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	494.13	41.09
11 68 13 00-0529	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	466.37	41.09
11 68 13 00-0530	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	457.12	41.09
11 68 13 00-0531	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	447.86	41.09
11 68 13 00-0532	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	429.36	41.09
11 68 13 00-0533	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	410.85	41.09
11 68 13 00-0534	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	383.09	41.09
11 68 13 00-0535	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	756.94	82.19
11 68 13 00-0536	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	729.18	82.19
11 68 13 00-0537	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	701.42	82.19
11 68 13 00-0538	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	614.42	41.09
11 68 13 00-0539	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	605.16	41.09
11 68 13 00-0540	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	586.66	41.09
11 68 13 00-0541	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	558.90	41.09
11 68 13 00-0542	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	549.65	41.09
11 68 13 00-0543	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	531.14	41.09
11 68 13 00-0544	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,922.99	273.97
11 68 13 00-0545	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	7,774.74	739.72
11 68 13 00-0546	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,563.18	205.47
11 68 13 00-0547	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,831.52	205.47
11 68 13 00-0548	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,288.64	246.57
11 68 13 00-0549	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,985.38	232.87
11 68 13 00-0550	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,537.80	246.57
11 68 13 00-0551	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,796.88	246.57
11 68 13 00-0552	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,367.81	273.97
11 68 13 00-0553	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,617.64	273.97
11 68 13 00-0554	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,512.69	356.16
11 68 13 00-0555	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,208.52	164.38
11 68 13 00-0556	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,236.28	164.38
11 68 13 00-0557	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,615.65	164.38
11 68 13 00-0558	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,661.92	164.38
11 68 13 00-0559	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	6,068.36	493.15
11 68 13 00-0560	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,975.15	493.15
11 68 13 00-0561	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	7,502.58	493.15
11 68 13 00-0562	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,886.91	657.53
11 68 13 00-0563	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	9,099.72	657.53
11 68 13 00-0564	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	10,598.71	657.53
11 68 13 00-0565	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	12,510.47	821.91
11 68 13 00-0566	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,776.90	369.86
11 68 13 00-0567	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	12,291.90	452.05
11 68 13 00-0568	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	2,180.09	164.38
11 68 13 00-0569	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,900.02	246.57
11 68 13 00-0570	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	3,223.87	246.57
11 68 13 00-0571	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,584.74	246.57
11 68 13 00-0572	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	4,082.59	328.77
11 68 13 00-0573	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	4,249.14	328.77
11 68 13 00-0574	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,841.33	328.77
11 68 13 00-0575	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,792.59	410.96
11 68 13 00-0576	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	8,624.10	616.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0577	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,928.49	561.64
11 68 13 00-0578	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,846.85	616.43
11 68 13 00-0579	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	8,123.48	561.64
11 68 13 00-0580	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	3,090.60	205.47
11 68 13 00-0581	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,358.94	205.47
11 68 13 00-0582	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	4,136.19	205.47
11 68 13 00-0583	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,414.46	205.47
11 68 13 00-0584	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,682.79	205.47
11 68 13 00-0585	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,478.55	205.47
11 68 13 00-0586	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,479.23	205.47
11 68 13 00-0587	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,682.79	205.47
11 68 13 00-0588	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	4,235.21	232.87
11 68 13 00-0589	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,482.28	246.57
11 68 13 00-0590	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	5,000.45	246.57
11 68 13 00-0591	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	5,176.26	246.57
11 68 13 00-0592	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,830.73	328.77
11 68 13 00-0593	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,247.35	82.19
11 68 13 00-0594	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,194.87	123.28
11 68 13 00-0595	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,954.18	246.57
11 68 13 00-0596	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	3,243.33	315.06
11 68 13 00-0597	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,761.49	315.06
11 68 13 00-0598	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,659.71	315.06
11 68 13 00-0599	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	4,196.38	315.06
11 68 13 00-0600	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,939.11	232.87
11 68 13 00-0601	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,871.58	246.57
11 68 13 00-0602	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	4,149.17	246.57
11 68 13 00-0603	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,648.83	246.57
11 68 13 00-0604	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,917.17	246.57
11 68 13 00-0605	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,919.20	246.57
11 68 13 00-0606	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	2,020.98	246.57
11 68 13 00-0607	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	2,150.52	246.57
11 68 13 00-0608	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,585.42	246.57
11 68 13 00-0609	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,687.20	246.57
11 68 13 00-0610	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,816.74	246.57
11 68 13 00-0611	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,918.52	246.57
11 68 13 00-0612	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	4,175.12	328.77
11 68 13 00-0613	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	5,340.99	328.77
11 68 13 00-0614	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	6,025.72	328.77
11 68 13 00-0615	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,515.45	328.77
11 68 13 00-0616	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,793.72	328.77
11 68 13 00-0617	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	6,025.72	328.77
11 68 13 00-0618	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,229.96	328.77
11 68 13 00-0619	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,237.86	328.77
11 68 13 00-0620	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,793.72	328.77
11 68 13 00-0621	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,349.57	328.77
11 68 13 00-0622	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,223.87	246.57
11 68 13 00-0623	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,158.42	246.57
11 68 13 00-0624	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,516.92	205.47
11 68 13 00-0625	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,158.82	191.78
11 68 13 00-0626	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,880.55	191.78
11 68 13 00-0627	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,556.70	191.78
11 68 13 00-0628	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,285.59	205.47
11 68 13 00-0629	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,396.63	205.47
11 68 13 00-0630	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,489.16	205.47
11 68 13 00-0631	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,471.33	205.47
11 68 13 00-0632	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,545.35	205.47
11 68 13 00-0633	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,665.64	205.47
11 68 13 00-0634	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,869.20	205.47
11 68 13 00-0635	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,943.23	205.47
11 68 13 00-0636	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	2,045.01	205.47
11 68 13 00-0637	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,489.16	205.47
11 68 13 00-0638	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,507.66	205.47
11 68 13 00-0639	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,942.55	205.47
11 68 13 00-0640	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,961.06	205.47
11 68 13 00-0641	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,877.78	205.47
11 68 13 00-0642	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,924.05	205.47
11 68 13 00-0643	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,358.94	205.47
11 68 13 00-0644	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,386.70	205.47
11 68 13 00-0645	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,605.60	287.66
11 68 13 00-0646	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,606.28	287.66
11 68 13 00-0647	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,634.16	164.38
11 68 13 00-0648	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,837.73	164.38
11 68 13 00-0649	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	2,041.29	164.38
11 68 13 00-0650	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,300.38	164.38
11 68 13 00-0651	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,502.01	369.86
11 68 13 00-0652	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,459.82	123.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0653	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,459.93	328.77
11 68 13 00-0654	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,459.93	328.77
11 68 13 00-0655	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,459.93	328.77
11 68 13 00-0656	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,459.82	123.28
11 68 13 00-0657	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,733.92	164.38
11 68 13 00-0658	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,638.01	164.38
11 68 13 00-0659	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,366.84	205.47
11 68 13 00-0660	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	253.55	41.09
11 68 13 00-0661	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	290.56	41.09
11 68 13 00-0662	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,058.56	41.09
11 68 13 00-0663	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	383.09	41.09
11 68 13 00-0664	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,371.92	246.57
11 68 13 00-0665	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,612.50	246.57
11 68 13 00-0666	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,779.05	246.57
11 68 13 00-0667	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	4,121.41	246.57
11 68 13 00-0668	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,779.05	246.57
11 68 13 00-0669	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	4,047.39	246.57
11 68 13 00-0670	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,889.52	123.28
11 68 13 00-0671	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,666.77	123.28
11 68 13 00-0672	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,453.27	123.28
11 68 13 00-0673	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,230.53	123.28
11 68 13 00-0674	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,824.75	123.28
11 68 13 00-0675	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	2,083.83	123.28
11 68 13 00-0676	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,352.17	123.28
11 68 13 00-0677	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,463.20	123.28
11 68 13 00-0678	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,176.36	123.28
11 68 13 00-0679	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,453.95	123.28
11 68 13 00-0680	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,713.03	123.28
11 68 13 00-0681	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,972.12	123.28
11 68 13 00-0682	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	5,152.20	287.66
11 68 13 00-0683	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	5,281.75	287.66
11 68 13 00-0684	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	5,207.72	287.66
11 68 13 00-0685	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,975.72	287.66
11 68 13 00-0686	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	6,105.26	287.66
11 68 13 00-0687	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	6,049.75	287.66
11 68 13 00-0688	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	2,026.51	205.47
11 68 13 00-0689	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	2,220.82	205.47
11 68 13 00-0690	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	2,424.38	205.47
11 68 13 00-0691	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,613.17	246.57
11 68 13 00-0692	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,816.74	246.57
11 68 13 00-0693	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	3,011.05	246.57
11 68 13 00-0694	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	2,433.64	205.47
11 68 13 00-0695	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,618.70	205.47
11 68 13 00-0696	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,831.52	205.47
11 68 13 00-0697	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,412.09	164.38
11 68 13 00-0698	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,819.22	164.38
11 68 13 00-0699	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,634.16	164.38
11 68 13 00-0700	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,763.70	164.38
11 68 13 00-0701	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	2,041.29	164.38
11 68 13 00-0702	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	2,152.33	164.38
11 68 13 00-0703	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,207.57	109.59
11 68 13 00-0704	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,327.85	109.59
11 68 13 00-0705	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,475.90	109.59
11 68 13 00-0706	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,769.23	123.28
11 68 13 00-0707	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,991.30	123.28
11 68 13 00-0708	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,194.87	123.28
11 68 13 00-0709	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,472.45	123.28
11 68 13 00-0710	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,574.24	123.28
11 68 13 00-0711	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,666.77	123.28
11 68 13 00-0712	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,981.37	123.28
11 68 13 00-0713	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	3,083.15	123.28
11 68 13 00-0714	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,572.43	205.47
11 68 13 00-0715	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,692.72	205.47
11 68 13 00-0716	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,510.72	246.57
11 68 13 00-0717	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,658.76	246.57
11 68 13 00-0718	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,979.56	205.47
11 68 13 00-0719	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	3,090.60	205.47
11 68 13 00-0720	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,384.33	164.38
11 68 13 00-0721	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,837.73	164.38
11 68 13 00-0722	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	2,306.87	191.78
11 68 13 00-0723	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,769.52	191.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0724	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,217.10	164.38
11 68 13 00-0725	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,355.89	164.38
11 68 13 00-0726	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,679.75	164.38
11 68 13 00-0727	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	3,003.61	164.38
11 68 13 00-0728	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,633.49	164.38
11 68 13 00-0729	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,763.03	164.38
11 68 13 00-0730	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	3,086.88	164.38
11 68 13 00-0731	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,419.99	164.38
11 68 13 00-0732	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,689.72	246.57
11 68 13 00-0733	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,948.76	164.38
11 68 13 00-0734	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,159.78	246.57
11 68 13 00-0735	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	8,674.09	657.53
11 68 13 00-0736	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,674.09	657.53
11 68 13 00-0737	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,745.20	164.38
11 68 13 00-0738	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,745.20	164.38
11 68 13 00-0739	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,921.00	164.38
11 68 13 00-0740	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,921.00	164.38
11 68 13 00-0741	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,130.77	123.28
11 68 13 00-0742	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,214.05	123.28
11 68 13 00-0743	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,269.57	123.28
11 68 13 00-0744	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,343.59	123.28
11 68 13 00-0745	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,750.72	123.28
11 68 13 00-0746	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,824.75	123.28
11 68 13 00-0747	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,889.52	123.28
11 68 13 00-0748	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,972.79	123.28
11 68 13 00-0749	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,528.65	123.28
11 68 13 00-0750	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,584.17	123.28
11 68 13 00-0751	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,667.44	123.28
11 68 13 00-0752	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,750.72	123.28
11 68 13 00-0753	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,332.53	205.47
11 68 13 00-0754	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,378.80	205.47
11 68 13 00-0755	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,462.07	205.47
11 68 13 00-0756	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,832.19	205.47
11 68 13 00-0757	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,906.22	205.47
11 68 13 00-0758	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,961.74	205.47
11 68 13 00-0759	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	2,026.51	205.47
11 68 13 00-0760	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	2,091.28	205.47
11 68 13 00-0761	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,156.05	205.47
11 68 13 00-0762	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,545.35	205.47
11 68 13 00-0763	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,619.37	205.47
11 68 13 00-0764	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,665.64	205.47
11 68 13 00-0765	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,711.90	205.47
11 68 13 00-0766	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,767.42	205.47
11 68 13 00-0767	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,850.70	205.47
11 68 13 00-0768	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,587.22	164.38
11 68 13 00-0769	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,824.75	123.28
11 68 13 00-0770	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,658.76	246.57
11 68 13 00-0771	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	923.49	82.19
11 68 13 00-0772	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,587.22	164.38
11 68 13 00-0773	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,639.58	246.57
11 68 13 00-0774	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,682.79	205.47
11 68 13 00-0775	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,510.72	246.57
11 68 13 00-0776	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,904.86	205.47
11 68 13 00-0777	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,544.67	205.47
11 68 13 00-0778	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,598.96	82.19
11 68 13 00-0779	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,561.95	82.19
11 68 13 00-0780	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,645.23	82.19
11 68 13 00-0781	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,275.11	82.19
11 68 13 00-0782	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,756.27	82.19
11 68 13 00-0783	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,413.90	82.19
11 68 13 00-0784	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,793.28	82.19
11 68 13 00-0785	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,682.79	205.47
11 68 13 00-0786	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,561.95	82.19
11 68 13 00-0787	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,668.58	41.09
11 68 13 00-0788	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,315.15	123.28
11 68 13 00-0789	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	2,056.07	123.28
11 68 13 00-0790	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,782.21	164.38
11 68 13 00-0791	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,874.74	164.38
11 68 13 00-0792	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,457.00	164.38
11 68 13 00-0793	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,882.64	164.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0794	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,983.85	369.86
11 68 13 00-0795	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,320.01	410.96
11 68 13 00-0796	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,667.10	821.91
11 68 13 00-0797	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,502.58	493.15
11 68 13 00-0798	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,940.65	82.19
11 68 13 00-0799	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,134.96	82.19
11 68 13 00-0800	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,736.96	205.47
11 68 13 00-0801	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,374.74	205.47
11 68 13 00-0802	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	3,009.13	123.28
11 68 13 00-0803	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,591.50	328.77
11 68 13 00-0804	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,294.73	328.77
11 68 13 00-0805	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	457.12	41.09
11 68 13 00-0806	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	705.13	123.28
11 68 13 00-0807	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	853.18	123.28
11 68 13 00-0808	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	686.63	123.28
11 68 13 00-0809	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,926.42	246.57
11 68 13 00-0810	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,234.81	287.66
11 68 13 00-0811	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	7,045.36	246.57
11 68 13 00-0812	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,599.86	246.57
11 68 13 00-0813	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,401.02	575.34
11 68 13 00-0814	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	6,055.49	657.53
11 68 13 00-0815	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	6,055.49	657.53
11 68 13 00-0816	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,374.86	82.19
11 68 13 00-0817	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,866.63	82.19
11 68 13 00-0818	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,357.12	287.66
11 68 13 00-0819	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,669.82	164.38
11 68 13 00-0820	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,345.29	164.38
11 68 13 00-0821	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,818.55	164.38
11 68 13 00-0822	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	7,163.84	328.77
11 68 13 00-0823	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	7,163.84	328.77
11 68 13 00-0824	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	7,163.84	328.77
11 68 13 00-0825	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	7,163.84	328.77
11 68 13 00-0826	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,606.28	287.66
11 68 13 00-0827	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	4,088.11	287.66
11 68 13 00-0828	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,217.65	287.66
11 68 13 00-0829	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,243.90	109.59
11 68 13 00-0830	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,132.87	109.59
11 68 13 00-0831	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,505.76	82.19
11 68 13 00-0832	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,941.33	82.19
11 68 13 00-0833	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,873.78	109.59
11 68 13 00-0834	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,734.99	109.59
11 68 13 00-0835	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,154.82	82.19
11 68 13 00-0836	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	858.72	82.19
11 68 13 00-0837	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	867.98	82.19
11 68 13 00-0838	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,645.23	82.19
11 68 13 00-0839	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,346.36	109.59
11 68 13 00-0840	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	1,034.53	82.19
11 68 13 00-0841	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	1,034.53	82.19
11 68 13 00-0842	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,561.95	82.19
11 68 13 00-0843	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,497.18	82.19
11 68 13 00-0844	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,765.52	82.19
11 68 13 00-0845	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,098.63	82.19
11 68 13 00-0846	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,941.33	82.19
11 68 13 00-0847	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,053.04	82.19
11 68 13 00-0848	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,759.97	123.28
11 68 13 00-0849	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	2,019.06	123.28
11 68 13 00-0850	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,275.11	82.19
11 68 13 00-0851	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,469.42	82.19
11 68 13 00-0852	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,182.58	82.19
11 68 13 00-0853	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	997.52	82.19
11 68 13 00-0854	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	951.25	82.19
11 68 13 00-0855	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,636.92	150.68
11 68 13 00-0856	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,176.36	123.28
11 68 13 00-0857	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,485.16	109.59
11 68 13 00-0858	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	858.72	82.19
11 68 13 00-0859	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	886.48	82.19
11 68 13 00-0860	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	429.36	41.09
11 68 13 00-0861	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	215.61	27.40
11 68 13 00-0862	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,111.32	68.49
11 68 13 00-0863	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,330.63	82.19
11 68 13 00-0864	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	969.76	82.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0865	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,403.97	82.19
11 68 13 00-0866	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,098.63	82.19
11 68 13 00-0867	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,616.79	82.19
11 68 13 00-0868	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	886.48	82.19
11 68 13 00-0869	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	957.73	109.59
11 68 13 00-0870	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,127.06	82.19
11 68 13 00-0871	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,216.82	109.59
11 68 13 00-0872	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	942.00	82.19
11 68 13 00-0873	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,201.09	82.19
11 68 13 00-0874	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	766.19	82.19
11 68 13 00-0875	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	976.24	109.59
11 68 13 00-0876	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	910.51	41.09
11 68 13 00-0877	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	656.52	41.09
11 68 13 00-0878	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,188.10	41.09
11 68 13 00-0879	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	2,008.86	68.49
11 68 13 00-0880	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,092.81	68.49
11 68 13 00-0881	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,657.24	68.49
11 68 13 00-0882	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,256.60	82.19
11 68 13 00-0883	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,524.94	82.19
11 68 13 00-0884	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	3,042.43	82.19
11 68 13 00-0885	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,280.24	109.59
11 68 13 00-0886	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,904.31	82.19
11 68 13 00-0887	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	994.75	109.59
11 68 13 00-0888	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,198.31	109.59
11 68 13 00-0889	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,263.08	109.59
11 68 13 00-0890	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,466.65	109.59
11 68 13 00-0891	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	1,053.04	82.19
11 68 13 00-0892	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	1,321.37	82.19
11 68 13 00-0893	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	660.68	41.09
11 68 13 00-0894	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	256.32	27.40
11 68 13 00-0895	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	284.08	27.40
11 68 13 00-0896	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	380.33	68.49
11 68 13 00-0897	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	371.08	68.49
11 68 13 00-0898	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,914.51	150.68
11 68 13 00-0899	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	843.93	123.28
11 68 13 00-0900	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	788.41	123.28
11 68 13 00-0901	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	988.27	82.19
11 68 13 00-0902	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	2,611.25	123.28
11 68 13 00-0903	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	919.77	41.09
11 68 13 00-0904	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	975.28	41.09
11 68 13 00-0905	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	697.69	41.09
11 68 13 00-0906	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	706.95	41.09
11 68 13 00-0907	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	716.20	41.09
11 68 13 00-0908	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	725.45	41.09
11 68 13 00-0909	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	734.71	41.09
11 68 13 00-0910	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	753.21	41.09
11 68 13 00-0911	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	762.47	41.09
11 68 13 00-0912	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	780.97	41.09
11 68 13 00-0913	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	790.22	41.09
11 68 13 00-0914	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	1,086.32	41.09
11 68 13 00-0915	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	3,370.10	328.77
11 68 13 00-0916	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,693.28	328.77
11 68 13 00-0917	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	3,843.82	246.57
11 68 13 00-0918	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	4,093.65	246.57
11 68 13 00-0919	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	6,345.84	287.66
11 68 13 00-0920	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	395.12	27.40
11 68 13 00-0921	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	15,810.17	986.30
11 68 13 00-0922	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	5,385.66	821.91
11 68 13 00-0923	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	26,995.44	1,479.44
11 68 13 00-0924	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	21,193.81	1,479.44
11 68 13 00-0925	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	20,074.20	1,479.44
11 68 13 00-0926	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	27,152.74	1,479.44
11 68 13 00-0927	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	21,351.11	1,479.44
11 68 13 00-0928	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	20,240.75	1,479.44
11 68 13 00-0929	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,386.15	82.19
11 68 13 00-0930	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	1,330.63	82.19
11 68 13 00-0931	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	1,293.61	82.19
11 68 13 00-0932	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	1,040.05	41.09
11 68 13 00-0933	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	3,904.86	205.47
11 68 13 00-0934	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	1,037.29	68.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0935	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	1,104.83	41.09
11 68 13 00-0936	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	793.95	82.19
11 68 13 00-0937	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	639.41	68.49
11 68 13 00-0938	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	787.46	68.49
11 68 13 00-0939	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	3,444.13	328.77
11 68 13 00-0940	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	3,888.27	328.77
11 68 13 00-0941	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	4,073.33	328.77
11 68 13 00-0942	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	3,795.74	328.77
11 68 13 00-0943	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	4,230.63	328.77
11 68 13 00-0944	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	4,387.94	328.77
11 68 13 00-0945	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,978.34	82.19
11 68 13 00-0946	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,913.57	82.19
11 68 13 00-0947	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,839.54	82.19
11 68 13 00-0948	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,821.04	82.19
11 68 13 00-0949	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,700.75	82.19
11 68 13 00-0950	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	667.17	68.49
11 68 13 00-0951	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	648.67	68.49
11 68 13 00-0952	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	639.41	68.49
11 68 13 00-0953	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	630.16	68.49
11 68 13 00-0954	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	620.91	68.49
11 68 13 00-0955	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	602.40	68.49
11 68 13 00-0956	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	593.15	68.49
11 68 13 00-0957	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	583.90	68.49
11 68 13 00-0958	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	565.39	68.49
11 68 13 00-0959	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	630.16	68.49
11 68 13 00-0960	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	620.91	68.49
11 68 13 00-0961	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	602.40	68.49
11 68 13 00-0962	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	593.15	68.49
11 68 13 00-0963	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	583.90	68.49
11 68 13 00-0964	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	565.39	68.49
11 68 13 00-0965	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	556.14	68.49
11 68 13 00-0966	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	546.88	68.49
11 68 13 00-0967	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	537.63	68.49
11 68 13 00-0968	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	494.13	41.09
11 68 13 00-0969	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	810.58	41.09
11 68 13 00-0970	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	457.12	41.09
11 68 13 00-0971	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	447.86	41.09
11 68 13 00-0972	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	438.61	41.09
11 68 13 00-0973	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	429.36	41.09
11 68 13 00-0974	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	410.85	41.09
11 68 13 00-0975	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	383.09	41.09
11 68 13 00-0976	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	364.59	41.09
11 68 13 00-0977	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	355.33	41.09
11 68 13 00-0978	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	558.90	41.09
11 68 13 00-0979	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	642.18	41.09
11 68 13 00-0980	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	568.15	41.09
11 68 13 00-0981	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	558.90	41.09
11 68 13 00-0982	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	549.65	41.09
11 68 13 00-0983	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	531.14	41.09
11 68 13 00-0984	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	521.89	41.09
11 68 13 00-0985	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	512.63	41.09
11 68 13 00-0986	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	503.38	41.09
11 68 13 00-0987	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	494.13	41.09
11 68 13 00-0988	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	466.37	41.09
11 68 13 00-0989	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	457.12	41.09
11 68 13 00-0990	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	3,002.41	1,479.44
11 68 13 00-0991	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	3,011.67	1,479.44
11 68 13 00-0992	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	3,030.17	1,479.44
11 68 13 00-0993	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	2,572.75	821.91
11 68 13 00-0994	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	2,517.23	821.91
11 68 13 00-0995	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	2,489.47	821.91
11 68 13 00-0996	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	2,332.17	821.91
11 68 13 00-0997	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	2,295.16	821.91
11 68 13 00-0998	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	762.49	82.19
11 68 13 00-0999	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,958.02	164.38
11 68 13 00-1000	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,698.93	164.38
11 68 13 00-1001	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	4,051.63	246.57
11 68 13 00-1002	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	4,232.45	246.57
11 68 13 00-1003	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,710.60	328.77
11 68 13 00-1004	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	5,340.99	328.77

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11 68 13 00-1005	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	766.19	82.19
11 68 13 00-1006	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	738.43	82.19
11 68 13 00-1007	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	710.68	82.19
11 68 13 00-1008	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	701.42	82.19
11 68 13 00-1009	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	614.42	41.09
11 68 13 00-1010	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	595.91	41.09
11 68 13 00-1011	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	568.15	41.09
11 68 13 00-1012	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	558.90	41.09
11 68 13 00-1013	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	549.65	41.09
11 68 13 00-1014	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,883.99	164.38
11 68 13 00-1015	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	6,082.44	328.77
11 68 13 00-1016	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,710.60	328.77
11 68 13 00-1017	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,892.20	328.77
11 68 13 00-1018	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	6,090.49	328.77
11 68 13 00-1019	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	28,190.69	986.30
11 68 13 00-1020	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,965.45	657.53
11 68 13 00-1021	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,413.90	82.19
11 68 13 00-1022	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	5,018.95	246.57
11 68 13 00-1023	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	4,519.29	246.57
11 68 13 00-1024	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	5,877.67	328.77
11 68 13 00-1025	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	5,664.85	328.77
11 68 13 00-1026	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	5,037.46	246.57
11 68 13 00-1027	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	4,796.88	246.57
11 68 13 00-1028	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	4,297.22	246.57
11 68 13 00-1029	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	6,923.26	328.77
11 68 13 00-1030	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	766.19	82.19
11 68 13 00-1031	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	1,127.06	82.19
11 68 13 00-1032	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	1,247.35	82.19
11 68 13 00-1033	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,893.25	164.38
11 68 13 00-1034	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	2,022.79	164.38
11 68 13 00-1035	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	2,115.32	164.38
11 68 13 00-1036	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	2,217.10	164.38
11 68 13 00-1037	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	3,186.86	246.57
11 68 13 00-1038	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	2,022.79	164.38
11 68 13 00-1039	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,837.73	164.38
11 68 13 00-1040	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,497.18	82.19
11 68 13 00-1041	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	1,173.33	82.19
11 68 13 00-1042	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	2,217.10	164.38
11 68 13 00-1043	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	1,173.33	82.19
11 68 13 00-1044	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	3,012.86	164.38
11 68 13 00-1045	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,985.10	164.38
11 68 13 00-1046	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	9,169.93	410.96
11 68 13 00-1047	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	9,641.83	410.96
11 68 13 00-1048	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	4,889.41	246.57
11 68 13 00-1049	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	5,757.38	328.77
11 68 13 00-1050	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	867.98	82.19
11 68 13 00-1051	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	4,954.18	246.57
11 68 13 00-1052	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	9,762.12	410.96
11 68 13 00-1053	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	3,186.86	246.57
11 68 13 00-1054	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,349.13	82.19
11 68 13 00-1055	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	1,219.59	82.19
11 68 13 00-1056	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	1,228.84	82.19
11 68 13 00-1057	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,735.27	164.38
11 68 13 00-1058	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	2,189.34	164.38
11 68 13 00-1059	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	1,145.57	82.19
11 68 13 00-1060	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	1,330.63	82.19
11 68 13 00-1061	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	1,247.35	82.19

11 68 13 00-1062 Playground Equipment (Landscape Structures® Evos™) *(11 68 13 00-0040)*

11 68 13 00-1063	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	1,043.78	82.19
11 68 13 00-1064	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	1,219.59	82.19
11 68 13 00-1065	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	4,639.58	246.57
11 68 13 00-1066	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	3,593.99	246.57
11 68 13 00-1067	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	8,343.54	232.87
11 68 13 00-1068	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	6,497.62	328.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1069	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	4,339.76	205.47
11 68 13 00-1070	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	8,905.21	246.57
11 68 13 00-1071	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	2,133.82	164.38
11 68 13 00-1072	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,750.05	123.28
11 68 13 00-1073	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	432.13	27.40
11 68 13 00-1074	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,941.33	82.19
11 68 13 00-1075	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,407.41	68.49
11 68 13 00-1076	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,416.67	68.49
11 68 13 00-1077	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,425.92	68.49
11 68 13 00-1078	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	8,055.84	369.86
11 68 13 00-1079	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	8,266.76	246.57
11 68 13 00-1080	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,632.81	164.38
11 68 13 00-1081	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,875.20	82.19
11 68 13 00-1082	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	33,927.55	986.30
11 68 13 00-1083	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	38,358.13	1,479.44
11 68 13 00-1084	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	4,439.83	493.15
11 68 13 00-1085	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,995.03	164.38
11 68 13 00-1086	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	2,013.53	164.38
11 68 13 00-1087	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,330.63	82.19
11 68 13 00-1088	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,228.84	82.19
11 68 13 00-1089	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,053.04	82.19
11 68 13 00-1090	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,180.09	164.38
11 68 13 00-1091	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,127.06	82.19
11 68 13 00-1092	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,828.47	164.38
11 68 13 00-1093	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	719.93	82.19
11 68 13 00-1094	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	979.01	82.19
11 68 13 00-1095	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,256.60	82.19
11 68 13 00-1096	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,929.58	164.38
11 68 13 00-1097	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,593.99	246.57
11 68 13 00-1098	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,340.32	328.77
11 68 13 00-1099	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,614.98	164.38
11 68 13 00-1100	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,846.30	164.38
11 68 13 00-1101	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	38,894.80	1,479.44
11 68 13 00-1102	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	42,503.47	1,479.44
11 68 13 00-1103	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,547.05	246.57
11 68 13 00-1104	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,438.94	410.96
11 68 13 00-1105	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	2,041.29	164.38
11 68 13 00-1106	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,550.21	164.38
11 68 13 00-1107	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,550.21	164.38
11 68 13 00-1108		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-0040)*		
11 68 13 00-1109	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,043.78	82.19
11 68 13 00-1110	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,661.24	164.38
11 68 13 00-1111		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-0040)*		
11 68 13 00-1112	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	122.16	41.09
11 68 13 00-1113	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	127.71	41.09
11 68 13 00-1114	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	120.31	41.09
11 68 13 00-1115	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	15.55	8.21
11 68 13 00-1116	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	15.55	8.21
11 68 13 00-1117	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	15.55	8.21
11 68 13 00-1118	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	15.55	8.21
11 68 13 00-1119	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	181.38	41.09
11 68 13 00-1120	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	92.17	16.44
11 68 13 00-1121	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	58.86	16.44
11 68 13 00-1122	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	60.71	16.44
11 68 13 00-1123	EA	2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	117.53	20.55
11 68 13 00-1124	EA	3-1/2" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	117.53	20.55
11 68 13 00-1125	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	12.03	
11 68 13 00-1126	EA	Anti-Wrap, 2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	152.69	20.55
11 68 13 00-1127	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	97.72	16.44
11 68 13 00-1128	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	125.86	41.09
11 68 13 00-1129	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	115.68	41.09
11 68 13 00-1130	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	151.77	41.09
11 68 13 00-1131	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	111.05	41.09
11 68 13 00-1132	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	120.31	41.09
11 68 13 00-1133	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	129.56	41.09
11 68 13 00-1134	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	138.81	41.09
11 68 13 00-1135	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	157.32	41.09
11 68 13 00-1136	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	113.83	41.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1137	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	179.53	41.09
11 68 13 00-1138	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	849.47	82.19
11 68 13 00-1139	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	336.83	41.09
11 68 13 00-1140	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	327.57	41.09
11 68 13 00-1141	EA	Nylon Basketball Net (Landscape Structures® 100082A)	60.16	20.55
11 68 13 00-1142	EA	Chain Basketball Net (Landscape Structures® 100083A)	73.11	20.55
11 68 13 00-1143	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,497.18	82.19
11 68 13 00-1144	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,247.35	82.19
11 68 13 00-1145	EA	Warning Label (Landscape Structures® 115176A)	0.19	
11 68 13 00-1146	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.92	
11 68 13 00-1147	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	136.94	
11 68 13 00-1148	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	830.97	82.19
11 68 13 00-1149	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	181.38	41.09
11 68 13 00-1150	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	979.01	82.19
11 68 13 00-1151		**Playground Equipment (Landscape Structures® Site Furniture)** *(11 68 13 00-0040)*		
11 68 13 00-1152	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,636.92	150.68
11 68 13 00-1153	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	862.43	123.28
11 68 13 00-1154	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,442.61	150.68
11 68 13 00-1155	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	843.93	123.28
11 68 13 00-1156	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,330.90	150.68
11 68 13 00-1157	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,112.26	123.28
11 68 13 00-1158	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	2,034.80	150.68
11 68 13 00-1159	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,084.51	123.28
11 68 13 00-1160	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	427.54	123.28
11 68 13 00-1161	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	275.79	123.28
11 68 13 00-1162	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	322.98	109.59
11 68 13 00-1163	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	1,038.24	123.28
11 68 13 00-1164	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	892.96	109.59
11 68 13 00-1165	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	892.96	109.59
11 68 13 00-1166	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	544.12	82.19
11 68 13 00-1167	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	793.95	82.19
11 68 13 00-1168	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,655.82	410.96
11 68 13 00-1169	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,563.29	410.96
11 68 13 00-1170	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,433.75	410.96
11 68 13 00-1171	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,275.77	410.96
11 68 13 00-1172	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	3,173.99	410.96
11 68 13 00-1173	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	3,035.19	410.96
11 68 13 00-1174	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,776.11	410.96
11 68 13 00-1175	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,655.82	410.96
11 68 13 00-1176	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,526.28	410.96
11 68 13 00-1177	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,396.06	410.96
11 68 13 00-1178	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,275.77	410.96
11 68 13 00-1179	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	3,127.72	410.96
11 68 13 00-1180	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	862.43	123.28
11 68 13 00-1181	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	945.71	123.28
11 68 13 00-1182	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	927.20	123.28
11 68 13 00-1183	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	1,010.48	123.28
11 68 13 00-1184	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,251.06	123.28
11 68 13 00-1185	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,167.78	123.28
11 68 13 00-1186	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,325.08	123.28
11 68 13 00-1187	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,241.81	123.28
11 68 13 00-1188	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	176.75	27.40
11 68 13 00-1189	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	867.98	82.19
11 68 13 00-1190	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	886.48	82.19
11 68 13 00-1191	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	571.88	82.19
11 68 13 00-1192	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	599.64	82.19
11 68 13 00-1193	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	886.48	82.19
11 68 13 00-1194	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	923.49	82.19
11 68 13 00-1195	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	599.64	82.19
11 68 13 00-1196	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	636.65	82.19
11 68 13 00-1197	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	2,074.68	328.77
11 68 13 00-1198	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	2,167.22	328.77
11 68 13 00-1199	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	2,176.47	328.77
11 68 13 00-1200	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	2,315.26	328.77
11 68 13 00-1201	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	2,130.20	328.77
11 68 13 00-1202	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	2,241.24	328.77
11 68 13 00-1203	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,907.08	68.49
11 68 13 00-1204	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,731.27	68.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1205	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,583.22	68.49
11 68 13 00-1206	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	858.72	82.19
11 68 13 00-1207	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	738.43	82.19
11 68 13 00-1208	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	988.27	82.19

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	2,602.68	296.71
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,581.67	326.38
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,978.90	296.71
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,581.67	326.38
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	8,193.70	479.96
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0007 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0008	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	40.91	12.70
11 68 23 13-0009	EA	Chain Basketball Net (Porter Athletic 00161-000)	68.26	12.70
11 68 23 13-0010	EA	Heavy-Duty Goal Ring (Porter Athletic 00235-000)	156.28	63.48
11 68 23 13-0011	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	272.83	28.56
11 68 23 13-0012	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,527.93	53.96
11 68 23 13-0013	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,956.63	53.96
11 68 23 13-0014	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,006.15	47.61
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,098.65	47.61

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,444.84	215.91
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,764.05	215.91
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,817.25	215.91
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,909.26	215.91
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	2,236.84	215.91
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	357.77	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	397.53	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	728.63	213.38
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	792.11	213.38
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,661.83	328.32
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	96.92	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	5,379.37	571.35
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	7,352.05	738.82
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	8,784.64	886.58

11 68 33 23 Soccer and Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	5,496.78	381.02
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	6,636.59	571.35

11 68 33 33 Baseball Field Equipment *(11 68 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 33 33-0001		**Bases** *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	627.61	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001		**Safety And Tie-Back Anchors** *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0081 for engineering testing and inspection.		
11 81 29 00-0002		**Roof Mounted, Safety And Tie-Back Anchors** *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	855.39	105.86
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	737.12	105.86
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	610.68	135.83
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		**Wall Mounted, Safety And Tie-Back Anchor** *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	605.00	105.86
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	547.00	105.86
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	547.89	135.83
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		**Safety And Tie-Back Anchor Accessories** *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	456.60	
11 81 29 00-0012		**Ladder Safety And Fall Protection** *(11 81 29)*		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	341.61	29.96
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	50.05	4.36
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	62.57	10.89
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	83.43	7.27
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	104.29	9.08
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	69.22	6.81
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	606.24	18.16
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	163.27	17.98
11 81 29 00-0021		**Fall-Arrest Systems** *(11 81 29)*		
11 81 29 00-0022		**Horizontal** *(11 81 29 00-0021)*		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	847.89	56.75
11 81 29 00-0024		**Anchor Points** *(11 81 29 00-0021)*		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	689.30	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	803.06	
11 81 29 00-0027	EA	Bolt On Roof Anchor Note: Guardian CD-1-B series	308.83	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	148.38	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	172.71	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 90 Other Equipment *(11)*

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001 Swinging Detention Doors *(11 98 12)*

Note: Excludes hinges or locking mechanisms. As manufactured by American Jail Products.

11 98 12 00-0002	EA	Heavy-Duty Steel Swinging Detention Door Note: Up To 40" W x Up To 90" H	3,796.10	696.40
11 98 12 00-0003	EA	Grating Swinging Detention Door Note: Up To 40" W x Up To 90" H	3,399.09	609.36
11 98 12 00-0004	EA	Woven Swinging Detention Door Note: Up To 40" W x Up To 90" H	3,234.55	522.31
11 98 12 00-0005	EA	Perforated Plate Swinging Detention Door Note: Up To 40" W x Up To 90" H	3,157.05	522.31

11 98 12 00-0006 Sliding Detention Doors *(11 98 12)*

Note: Excludes sliding mechanisms hardware.

11 98 12 00-0007	EA	Heavy-Duty Steel Sliding Detention Door Note: Up To 40" W x Up To 90" H	3,796.10	696.40
11 98 12 00-0008	EA	Grating Sliding Detention Door Note: Up To 40" W x Up To 90" H	3,399.09	609.36
11 98 12 00-0009	EA	Woven Sliding Detention Door Note: Up To 40" W x Up To 90" H	3,234.55	522.31
11 98 12 00-0010	EA	Perforated Plate Sliding Detention Door Note: Up To 40" W x Up To 90" H	3,157.05	522.31

11 98 12 00-0011 Frames For Swinging And Sliding Detention Doors *(11 98 12)*

Note: Includes frames for heavy duty steel doors, grating doors, woven doors, and perforated doors.

11 98 12 00-0012	EA	Frames For Hollow Steel Swinging And Sliding Detention Door Note: Up To 40" W x Up To 90" H	2,208.02	348.20

11 98 12 00-0013 Detention Door Accessories *(11 98 12)*

See CSI section 02 41 19 13-0016 for torch cutting existing door to prepare for devices.

11 98 12 00-0014	EA	8" x 16", Welded Observation Panels For Heavy-Duty Steel Detention Doors	852.08	232.14
11 98 12 00-0015	EA	Food/Cuff Passes For 1-3/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-1.7) Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90-degree stops, welded to door, USP primed for painting.	1,123.23	232.14
		For Security Lock, Add *Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17*	*614.35*	
11 98 12 00-0016	EA	Food/Cuff Passes For 2" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.0) Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90-degree stops, welded to door, USP primed for painting.	1,140.65	232.14
		For Security Lock, Add *Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17*	*614.35*	
11 98 12 00-0017	EA	Food/Cuff Passes For 2-1/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.2) Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90-degree stops, welded to door, USP primed for painting.	1,158.05	232.14
		For Security Lock, Add *Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17*	*614.35*	
11 98 12 00-0018	EA	Tool Resistant Grating Detention Doors	5,345.95	696.40
11 98 12 00-0019	EA	Food Pass Doors For Grating Detention Doors	697.10	232.14
11 98 12 00-0020	EA	Food Pass Doors For Woven Detention Doors	697.10	232.14
11 98 12 00-0021	EA	Food Pass Door Assembly With 1010A Or 1017A Lock (Southern Folger 262)	1,485.15	232.14
11 98 12 00-0022	EA	Food Pass Door Assembly With 1010AM Or 1017AM Lock (Southern Folger 262)	1,971.23	232.14

11 98 14 Detention Door Hardware *(11 98)*

11 98 14 00-0001 Prison Deadlocks and Deadlatches *(11 98 14)*

11 98 14 00-0002	EA	Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010A-1)	971.68	136.19
11 98 14 00-0003	EA	Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010A-2)	984.28	136.19
11 98 14 00-0004	EA	Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010AM-1)	1,535.18	136.19
11 98 14 00-0005	EA	Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010AM-2)	2,231.89	136.19
11 98 14 00-0006	EA	Automatic Prison Deadlock, Keyed One Side, For Sliding Doors (Southern Folger 1030A-1)	2,334.51	136.19
11 98 14 00-0007	EA	Automatic Prison Deadlock, Keyed Both Sides, For Sliding Doors (Southern Folger 1030A-2)	2,334.51	136.19
11 98 14 00-0008	EA	Automatic Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030AK)	2,523.54	136.19
11 98 14 00-0009	EA	Prison Deadlock, Keyed One Or Both Sides, For Sliding Doors (Southern Folger 1030AD)	1,947.44	136.19
11 98 14 00-0010	EA	Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030ADK)	2,415.52	136.19
11 98 14 00-0011	EA	Prison CREMONE Bolt Set With Snaplatch, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10370A)	4,636.32	136.19
11 98 14 00-0012	EA	Prison CREMONE Bolt Set With Deadlock, Active, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AA)	4,953.17	136.19
11 98 14 00-0013	EA	Prison CREMONE Bolt Set With Deadlock, Inactive, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AI)	4,625.52	136.19
11 98 14 00-0014	EA	Keys For Prison Deadlock	46.60	
11 98 14 00-0015	EA	115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,424.57	181.59
11 98 14 00-0016	EA	115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,541.35	181.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 14 00-0017	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,712.15	181.59
11 98 14 00-0018	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,685.18	181.59
11 98 14 00-0019	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1)	2,443.06	136.19
11 98 14 00-0020	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2)	2,877.19	136.19
11 98 14 00-0021		Detention Door Hardware *(11 98 14)* Note: Includes hardware for all door types and all hardware group types.		
11 98 14 00-0022	EA	Hinges For Detention Door	522.56	90.79
11 98 14 00-0023	EA	Door Closer For Detention Door	814.84	136.19
11 98 14 00-0024	EA	Escutcheon For Detention Door	138.40	22.70
11 98 14 00-0025	EA	Cylinder Shield For Detention Door	138.40	22.70
11 98 14 00-0026	EA	Door Pulls For Detention Door	138.40	22.70
11 98 14 00-0027	EA	Surface Overhead Stop For Detention Door	937.75	158.91
11 98 14 00-0028	EA	Protection Plate For Detention Door	231.39	22.70
11 98 14 00-0029	EA	Astragal For Detention Door	245.78	45.41
11 98 14 00-0030	EA	Floor Stop For Detention Door	141.05	31.78

11 98 21 Detention Windows *(11 98)*

11 98 21 00-0001		Steel Detention Windows *(11 98 21)* Note: As manufactured by Hope Windows. Includes finish. Excludes glazing. Demo excludes cut-outs. UI=height + width		
11 98 21 00-0002		Series S10. Fixed Over Awning Steel Detention Windows *(11 98 21 00-0001)*		
11 98 21 00-0003	UI	Maximum Security Fixed Over Awning Steel Detention Windows Note: Series S10.	99.36	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0004	UI	Medium Security Fixed Over Awning Steel Detention Windows Note: Series S10.	95.33	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0005		Series S20. Side Hung Operable Steel Detention Windows *(11 98 21 00-0001)*		
11 98 21 00-0006	UI	Maximum Security Side Hung Operable Steel Detention Windows Note: Series S20.	105.25	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0007	UI	Medium Security Side Hung Operable Steel Detention Windows Note: Series S20.	100.91	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0008		Series S30. Fixed Steel Detention Windows *(11 98 21 00-0001)*		
11 98 21 00-0009	UI	Maximum Security Fixed Steel Detention Windows Series S30	42.48	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0010	UI	Medium Security Fixed Steel Detention Windows Series S30	41.40	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0011		Series S40. Fixed Guard Frame Steel Detention Windows *(11 98 21 00-0001)*		
11 98 21 00-0012	UI	Maximum Security Fixed Guard Frame Steel Detention Windows Note: Series S40.	78.56	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0013	UI	Medium Security Fixed Guard Frame Steel Detention Windows Note: Series S40.	75.49	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0014		Series S41 And S42. Operable Guard Frame Steel Detention Windows *(11 98 21 00-0001)*		
11 98 21 00-0015	UI	Maximum Security Operable Guard Frame Steel Detention Windows Note: Series S41 And S42.	117.03	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0016	UI	Medium Security Operable Guard Frame Steel Detention Windows Note: Series S41 And S42.	112.07	7.06
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

11 98 23 Detention Window Screens *(11 98)*

11 98 23 00-0001 Detention Window Screens *(11 98 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 23 00-0002	UI	.028 Stainless Steel Detention Screen On Aluminum Frame	12.89	0.24
		Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
		For 0.047 Stainless Steel Screen, Add	*1.41*	
		For 0.054 Stainless Steel Screen, Add	*2.00*	
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 23 00-0003	UI	.028 Stainless Steel Detention Screen On 12 Gauge Steel Frame	12.89	0.24
		Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
		For 0.047 Stainless Steel Screen, Add	*1.41*	
		For 0.054 Stainless Steel Screen, Add	*2.00*	
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 23 00-0004	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On Aluminum Frame	12.89	0.24
		Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 23 00-0005	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On 12 Gauge Steel Frame	12.89	0.24
		Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

END OF SECTION 11

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	210.77	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	99.66	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	137.15	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	154.42	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	253.89	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	210.76	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	82.64	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	86.44	
12 01 60 00-0010	EA	Secure Seat To Floor	81.08	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	92.17	
		For Epoxy Anchoring, Add	*28.24*	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	12.88	1.28
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	10.64	1.28
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.50	1.28
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	13.22	1.28

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	10.98	1.28
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	12.62	1.28

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	15.50	2.68

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	10.41	2.68
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	14.12	2.68

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Roller Window Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	15.98	0.85
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	15.98	0.85

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.37	0.85

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	15.98	0.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,221.75	309.79
		For 16 Gauge Stainless Steel, Add	*344.43*	
		For >5 To 9, Deduct	*-84.11*	
		For >9, Deduct	*-168.21*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,582.44	309.79
		For 16 Gauge Stainless Steel, Add	*636.98*	
		For >5 To 9, Deduct	*-155.54*	
		For >9, Deduct	*-311.08*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,325.69	309.79
		For 16 Gauge Stainless Steel, Add	*581.78*	
		For >5 To 9, Deduct	*-142.06*	
		For >9, Deduct	*-284.12*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	3,068.93	309.79
		For 16 Gauge Stainless Steel, Add	*526.57*	
		For >5 To 9, Deduct	*-128.58*	
		For >9, Deduct	*-257.16*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,981.81	309.79
		For 16 Gauge Stainless Steel, Add	*507.84*	
		For >5 To 9, Deduct	*-124.01*	
		For >9, Deduct	*-248.02*	

12 31 16 00-0009 24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	3,195.86	334.81
		For 16 Gauge Stainless Steel, Add	*543.04*	
		For >5 To 9, Deduct	*-132.60*	
		For >9, Deduct	*-265.20*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	2,882.56	334.81
		For 16 Gauge Stainless Steel, Add	*475.68*	
		For >5 To 9, Deduct	*-116.15*	
		For >9, Deduct	*-232.31*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,951.16	334.81
		For 16 Gauge Stainless Steel, Add	*490.43*	
		For >5 To 9, Deduct	*-119.76*	
		For >9, Deduct	*-239.51*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,270.01	334.81
		For 16 Gauge Stainless Steel, Add	*558.98*	
		For >5 To 9, Deduct	*-136.49*	
		For >9, Deduct	*-272.99*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,236.77	334.81
		For 16 Gauge Stainless Steel, Add	*766.83*	
		For >5 To 9, Deduct	*-187.25*	
		For >9, Deduct	*-374.50*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,651.09	334.81
		For 16 Gauge Stainless Steel, Add	*855.91*	
		For >5 To 9, Deduct	*-209.00*	
		For >9, Deduct	*-418.00*	

12 31 16 00-0016 30" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,820.80	352.81
		For 16 Gauge Stainless Steel, Add	*454.82*	
		For >5 To 9, Deduct	*-111.06*	
		For >9, Deduct	*-222.12*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	4,077.67	352.81
		For 16 Gauge Stainless Steel, Add	*725.04*	
		For >5 To 9, Deduct	*-177.05*	
		For >9, Deduct	*-354.09*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	5,233.52	352.81
		For 16 Gauge Stainless Steel, Add	*973.55*	
		For >5 To 9, Deduct	*-237.73*	
		For >9, Deduct	*-475.45*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,819.19	352.81
		For 16 Gauge Stainless Steel, Add	*884.47*	
		For >5 To 9, Deduct	*-215.98*	
		For >9, Deduct	*-431.95*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,562.44	352.81
		For 16 Gauge Stainless Steel, Add	*829.27*	
		For >5 To 9, Deduct	*-202.50*	
		For >9, Deduct	*-404.99*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,520.61	352.81
		For 16 Gauge Stainless Steel, Add	*605.27*	
		For >5 To 9, Deduct	*-147.80*	
		For >9, Deduct	*-295.60*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,489.09	352.81
		For 16 Gauge Stainless Steel, Add	*598.50*	
		For >5 To 9, Deduct	*-146.14*	
		For >9, Deduct	*-292.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	3,113.12	366.82
		For 16 Gauge Stainless Steel, Add	*511.43*	
		For >5 To 9, Deduct	*-124.88*	
		For >9, Deduct	*-249.77*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,782.34	366.82
		For 16 Gauge Stainless Steel, Add	*655.32*	
		For >5 To 9, Deduct	*-160.02*	
		For >9, Deduct	*-320.04*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,535.79	366.82
		For 16 Gauge Stainless Steel, Add	*602.31*	
		For >5 To 9, Deduct	*-147.08*	
		For >9, Deduct	*-294.15*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,523.06	366.82
		For 16 Gauge Stainless Steel, Add	*1,029.57*	
		For >5 To 9, Deduct	*-251.41*	
		For >9, Deduct	*-502.81*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	5,109.66	366.82
		For 16 Gauge Stainless Steel, Add	*940.69*	
		For >5 To 9, Deduct	*-229.70*	
		For >9, Deduct	*-459.41*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,268.65	389.84
		For 16 Gauge Stainless Steel, Add	*535.11*	
		For >5 To 9, Deduct	*-130.67*	
		For >9, Deduct	*-261.33*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,825.97	389.84
		For 16 Gauge Stainless Steel, Add	*1,084.93*	
		For >5 To 9, Deduct	*-264.93*	
		For >9, Deduct	*-529.85*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,411.65	389.84
		For 16 Gauge Stainless Steel, Add	*995.85*	
		For >5 To 9, Deduct	*-243.17*	
		For >9, Deduct	*-486.35*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,982.49	389.84
		For 16 Gauge Stainless Steel, Add	*903.58*	
		For >5 To 9, Deduct	*-220.64*	
		For >9, Deduct	*-441.29*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	3,839.62	389.84
		For 16 Gauge Stainless Steel, Add	*657.87*	
		For >5 To 9, Deduct	*-160.64*	
		For >9, Deduct	*-321.28*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	4,082.47	389.84
		For 16 Gauge Stainless Steel, Add	*710.08*	
		For >5 To 9, Deduct	*-173.39*	
		For >9, Deduct	*-346.78*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	6,108.70	398.85
		For 16 Gauge Stainless Steel, Add	*1,141.98*	
		For >5 To 9, Deduct	*-278.86*	
		For >9, Deduct	*-557.71*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,695.30	398.85
		For 16 Gauge Stainless Steel, Add	*1,053.10*	
		For >5 To 9, Deduct	*-257.15*	
		For >9, Deduct	*-514.30*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,551.38	398.85
		For 16 Gauge Stainless Steel, Add	*592.16*	
		For >5 To 9, Deduct	*-144.60*	
		For >9, Deduct	*-289.19*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,266.14	398.85
		For 16 Gauge Stainless Steel, Add	*960.83*	
		For >5 To 9, Deduct	*-234.62*	
		For >9, Deduct	*-469.24*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,367.98	398.85
		For 16 Gauge Stainless Steel, Add	*767.73*	
		For >5 To 9, Deduct	*-187.47*	
		For >9, Deduct	*-374.94*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	4,301.24	398.85
		For 16 Gauge Stainless Steel, Add	*753.38*	
		For >5 To 9, Deduct	*-183.96*	
		For >9, Deduct	*-367.93*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	4,258.13	411.00
		For 16 Gauge Stainless Steel, Add	*738.86*	
		For >5 To 9, Deduct	*-180.42*	
		For >9, Deduct	*-360.84*	
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,704.17	117.94
		For 16 Gauge Stainless Steel, Add	*315.68*	
		For >5 To 9, Deduct	*-77.08*	
		For >9, Deduct	*-154.17*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,698.69	125.09
		For 16 Gauge Stainless Steel, Add	*311.42*	
		For >5 To 9, Deduct	*-76.05*	
		For >9, Deduct	*-152.09*	

12 31 16 00-0050 18" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,786.98	126.80
		For 16 Gauge Stainless Steel, Add	*329.64*	
		For >5 To 9, Deduct	*-80.49*	
		For >9, Deduct	*-160.99*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,685.95	126.80
		For 16 Gauge Stainless Steel, Add	*307.92*	
		For >5 To 9, Deduct	*-75.19*	
		For >9, Deduct	*-150.38*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,976.15	137.95
		For 16 Gauge Stainless Steel, Add	*365.54*	
		For >5 To 9, Deduct	*-89.26*	
		For >9, Deduct	*-178.52*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,914.04	137.95
		For 16 Gauge Stainless Steel, Add	*352.18*	
		For >5 To 9, Deduct	*-86.00*	
		For >9, Deduct	*-172.00*	

12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,488.57	140.39
		For 16 Gauge Stainless Steel, Add	*259.70*	
		For >5 To 9, Deduct	*-63.41*	
		For >9, Deduct	*-126.83*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,016.90	140.39
		For 16 Gauge Stainless Steel, Add	*373.29*	
		For >5 To 9, Deduct	*-91.15*	
		For >9, Deduct	*-182.30*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,916.80	140.39
		For 16 Gauge Stainless Steel, Add	*351.77*	
		For >5 To 9, Deduct	*-85.90*	
		For >9, Deduct	*-171.79*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,898.69	131.09
		For 16 Gauge Stainless Steel, Add	*351.79*	
		For >5 To 9, Deduct	*-85.90*	
		For >9, Deduct	*-171.80*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,792.10	131.09
		For 16 Gauge Stainless Steel, Add	*328.87*	
		For >5 To 9, Deduct	*-80.31*	
		For >9, Deduct	*-160.61*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,291.70	131.09
		For 16 Gauge Stainless Steel, Add	*436.28*	
		For >5 To 9, Deduct	*-106.53*	
		For >9, Deduct	*-213.07*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,363.87	131.09
		For 16 Gauge Stainless Steel, Add	*236.80*	
		For >5 To 9, Deduct	*-57.82*	
		For >9, Deduct	*-115.65*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,284.36	125.09
		For 16 Gauge Stainless Steel, Add	*222.34*	
		For >5 To 9, Deduct	*-54.29*	
		For >9, Deduct	*-108.59*	

12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,613.02	149.11
		For 16 Gauge Stainless Steel, Add	*497.68*	
		For >5 To 9, Deduct	*-121.53*	
		For >9, Deduct	*-243.05*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,370.18	149.11
		For 16 Gauge Stainless Steel, Add	*445.47*	
		For >5 To 9, Deduct	*-108.78*	
		For >9, Deduct	*-217.55*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,598.07	149.11
		For 16 Gauge Stainless Steel, Add	*279.46*	
		For >5 To 9, Deduct	*-68.24*	
		For >9, Deduct	*-136.48*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,485.12	137.24
		For 16 Gauge Stainless Steel, Add	*475.27*	
		For >5 To 9, Deduct	*-116.05*	
		For >9, Deduct	*-232.11*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,242.27	137.24
		For 16 Gauge Stainless Steel, Add	*423.06*	
		For >5 To 9, Deduct	*-103.30*	
		For >9, Deduct	*-206.61*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,470.16	137.24
		For 16 Gauge Stainless Steel, Add	*257.05*	
		For >5 To 9, Deduct	*-62.77*	
		For >9, Deduct	*-125.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,390.19	130.81
		For 16 Gauge Stainless Steel, Add	*242.67*	
		For >5 To 9, Deduct	*-59.26*	
		For >9, Deduct	*-118.51*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,717.22	153.40
		For 16 Gauge Stainless Steel, Add	*518.25*	
		For >5 To 9, Deduct	*-126.55*	
		For >9, Deduct	*-253.10*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,468.81	153.40
		For 16 Gauge Stainless Steel, Add	*464.84*	
		For >5 To 9, Deduct	*-113.51*	
		For >9, Deduct	*-227.01*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,702.26	153.40
		For 16 Gauge Stainless Steel, Add	*300.03*	
		For >5 To 9, Deduct	*-73.26*	
		For >9, Deduct	*-146.53*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,587.87	140.39
		For 16 Gauge Stainless Steel, Add	*496.05*	
		For >5 To 9, Deduct	*-121.13*	
		For >9, Deduct	*-242.26*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,345.95	140.39
		For 16 Gauge Stainless Steel, Add	*444.04*	
		For >5 To 9, Deduct	*-108.43*	
		For >9, Deduct	*-216.85*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,572.92	140.39
		For 16 Gauge Stainless Steel, Add	*277.83*	
		For >5 To 9, Deduct	*-67.84*	
		For >9, Deduct	*-135.69*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,494.65	133.67
		For 16 Gauge Stainless Steel, Add	*263.87*	
		For >5 To 9, Deduct	*-64.43*	
		For >9, Deduct	*-128.86*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,850.72	192.99
		For 16 Gauge Stainless Steel, Add	*529.98*	
		For >5 To 9, Deduct	*-129.41*	
		For >9, Deduct	*-258.83*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,854.72	182.13
		For 16 Gauge Stainless Steel, Add	*535.49*	
		For >5 To 9, Deduct	*-130.76*	
		For >9, Deduct	*-261.52*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,608.16	182.13
		For 16 Gauge Stainless Steel, Add	*482.48*	
		For >5 To 9, Deduct	*-117.81*	
		For >9, Deduct	*-235.63*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,837.91	182.13
		For 16 Gauge Stainless Steel, Add	*316.88*	
		For >5 To 9, Deduct	*-77.38*	
		For >9, Deduct	*-154.75*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,689.82	152.96
		For 16 Gauge Stainless Steel, Add	*512.54*	
		For >5 To 9, Deduct	*-125.16*	
		For >9, Deduct	*-250.31*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,445.12	152.96
		For 16 Gauge Stainless Steel, Add	*459.93*	
		For >5 To 9, Deduct	*-112.31*	
		For >9, Deduct	*-224.62*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,674.87	152.96
		For 16 Gauge Stainless Steel, Add	*294.33*	
		For >5 To 9, Deduct	*-71.87*	
		For >9, Deduct	*-143.74*	

12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,511.42	192.99
		For 16 Gauge Stainless Steel, Add	*455.36*	
		For >5 To 9, Deduct	*-111.19*	
		For >9, Deduct	*-222.39*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,956.86	186.13
		For 16 Gauge Stainless Steel, Add	*555.68*	
		For >5 To 9, Deduct	*-135.69*	
		For >9, Deduct	*-271.38*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,714.01	186.13
		For 16 Gauge Stainless Steel, Add	*503.47*	
		For >5 To 9, Deduct	*-122.94*	
		For >9, Deduct	*-245.88*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,941.90	186.13
		For 16 Gauge Stainless Steel, Add	*337.47*	
		For >5 To 9, Deduct	*-82.41*	
		For >9, Deduct	*-164.81*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,790.82	154.40
		For 16 Gauge Stainless Steel, Add	*533.60*	
		For >5 To 9, Deduct	*-130.30*	
		For >9, Deduct	*-260.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,548.90	154.40
		For 16 Gauge Stainless Steel, Add	*481.58*	
		For >5 To 9, Deduct	*-117.60*	
		For >9, Deduct	*-235.19*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,775.86	154.40
		For 16 Gauge Stainless Steel, Add	*315.38*	
		For >5 To 9, Deduct	*-77.01*	
		For >9, Deduct	*-154.02*	

12 31 16 00-0096 Accessories *(12 31 16 00-0001)*

12 31 16 00-0097 Stainless Steel Countertops *(12 31 16 00-0096)*

Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	117.23	7.86
		For 14 Gauge Stainless Steel, Add	*22.43*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	107.73	7.86
		For 14 Gauge Stainless Steel, Add	*20.33*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	211.62	

12 31 16 00-0101 Stainless Steel Wall Panels *(12 31 16 00-0096)*

12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	44.28	11.73
		For 18 Gauge Stainless Steel, Add	*5.66*	
		For 16 Gauge Stainless Steel, Add	*10.91*	

12 31 16 00-0103 Pedestal Legs *(12 31 16 00-0096)*

12 31 16 00-0104	EA	Type 304 Stainless Steel Pedestal Leg	370.68	17.87

12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*

12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	410.08	35.29

12 35 Specialty Casework *(12 30)*

12 35 70 Healthcare Casework *(12 35)*

12 35 70 19 Exam Room Casework *(12 35 70)*

12 35 70 19-0001 Medical Exam Room Cabinetwork *(12 35 70 19)*

12 35 70 19-0002 Medical Exam Room Wall Cabinets *(12 35 70 19-0001)*

12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) *(12 35 70 19-0002)*

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	556.85	43.74
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.28*	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	605.64	43.74
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.28*	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	981.00	57.14
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.81*	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	1,067.97	59.96
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.92*	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	1,178.68	64.19
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.09*	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	1,331.21	68.43
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*77.08*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.26*	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	1,531.63	73.36
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*77.27*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.45*	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	1,621.41	77.60
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*77.44*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.62*	

12 35 70 19-0012 Medical Exam Room Base Cabinets *(12 35 70 19-0001)*

12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®) *(12 35 70 19-0012)*

Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,854.03	107.93
		For Lock For Single Door/Drawer, Add	*78.64*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,916.77	107.93
		For Lock For Single Door/Drawer, Add	*78.64*	
		For Soft Edge Top, Add	*569.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	2,149.14	107.93
		For Lock For Single Door/Drawer, Add	*78.64*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	2,167.73	107.93
		For Lock For Single Door/Drawer, Add	*78.64*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	2,446.56	107.93
		For Lock For Single Door/Drawer, Add	*78.64*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0019		**Medical Exam Room Base Cabinets (Clinton Industries®)** *(12 35 70 19-0012)*		
		Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.		
12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)	991.72	176.35
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*81.36*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.54*	
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	1,307.98	107.93
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*78.64*	
		For Lock And Inside Latch Combo For Double Doors, Add	*115.82*	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,880.83	121.33
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*79.18*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.36*	
12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)	2,035.36	131.21
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*79.57*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.75*	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)	2,222.60	148.14
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*80.24*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.42*	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)	2,671.31	158.72
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*80.66*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.84*	
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)	2,950.39	169.30
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*81.08*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.26*	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)	3,156.70	246.90
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*84.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*121.34*	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)	3,145.83	179.88
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*81.50*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.68*	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)	3,612.47	261.00
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*84.72*	
		For Lock And Inside Latch Combo For Double Doors, Add	*121.90*	
12 35 70 19-0030		**Medical Exam Room Cabinet Combinations** *(12 35 70 19-0001)*		
12 35 70 19-0031		**Medical Exam Room Cabinet Combinations (Ritter®)** *(12 35 70 19-0030)*		
		Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.		
12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	3,016.45	211.62
		For Locks On Single Drawer And All Doors, Add	*739.90*	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	3,107.08	211.62
		For Locks On Single Drawer And All Doors, Add	*739.90*	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,777.62	268.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*743.26*	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,907.75	268.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*743.26*	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,478.86	211.62
		For Locks On Single Drawer And All Doors, Add	*739.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,571.81	211.62
		For Locks On Single Drawer And All Doors, Add	*739.90*	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,516.54	268.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*743.26*	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,604.84	268.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*743.26*	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	3,938.94	211.62
		For Locks On Single Drawer And All Doors, Add	*739.90*	
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	4,036.54	211.62
		For Locks On Single Drawer And All Doors, Add	*739.90*	
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	4,978.95	268.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*743.26*	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	5,074.22	268.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*743.26*	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,460.10	239.84
		For Locks On Single Drawer And All Doors, Add	*741.58*	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,548.40	239.84
		For Locks On Single Drawer And All Doors, Add	*741.58*	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	5,497.79	296.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*744.94*	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	5,602.35	296.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*744.94*	

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	20.45	14.11
12 36 23 13-0003	SF	Plastic Laminate Countertop With Backsplash	27.70	14.11
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	33.53	4.23
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	117.57	

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Surface Countertops *(12 36 61 16)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 16-0002	SF	1/4" Thick, Solid Color, Solid Surface Backsplash	53.28	9.41
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	*17.45*	
		For >50 To 100, Add	*10.07*	
12 36 61 16-0003	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash	77.31	14.11
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
12 36 61 16-0004	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash	97.33	14.11
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
12 36 61 16-0005	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	93.46	14.11
12 36 61 16-0006	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops	30.50	6.00
12 36 61 16-0007	EA	Cutout For Undercounter Sink In Solid Surface Countertop	211.62	
		Note: Not including integral seamed sinks		

12 36 61 19 Quartz Agglomerate Countertops *(12 36 61)*

12 36 61 19-0001 Quartz Agglomerate Countertops *(12 36 61 19)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	85.35	19.75
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	103.13	19.75
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	95.44	22.57
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	113.20	22.57
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	19.02	6.00
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	211.62	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	1,128.07	176.58
12 55 13 00-0002	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	973.09	176.58
12 55 13 00-0003	EA	Double Bunk Bed, 75" x 27", Up To 20	1,769.61	264.86
12 55 13 00-0004	EA	Double Bunk Bed, 75" x 27", Over 20	1,614.63	264.86

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001	EA	Institutional Desk And Seat, Up To 20	1,438.05	176.58
12 55 16 00-0002	EA	Institutional Desk And Seat, Over 20	1,283.06	176.58
12 55 16 00-0003	EA	Institutional Desk, Up To 20	1,283.06	176.58
12 55 16 00-0004	EA	Institutional Desk, Over 20	1,128.07	176.58

12 55 19 Detention Stools *(12 55)*

12 55 19 00-0001	EA	Up To 20, 8" x 8" x 20" High, Floor Mounted Stool	395.90	70.63
12 55 19 00-0002	EA	>20, 8" x 8" x 20" High, Floor Mounted Stool	420.86	70.63
12 55 19 00-0003	EA	Up To 20, Wall Mounted Swivel Stool	548.54	88.28
12 55 19 00-0004	EA	>20, Wall Mounted Swivel Stool	455.55	88.28

12 55 23 Detention Tables *(12 55)*

12 55 23 00-0001	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,257.12	203.06
12 55 23 00-0002	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,947.15	203.06
12 55 23 00-0003	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,912.37	220.72
12 55 23 00-0004	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	2,602.40	220.72
12 55 23 00-0005	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	4,187.56	238.37
12 55 23 00-0006	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,567.62	238.37
12 55 23 00-0007	EA	Picnic Table, 72" x 24" Up To 20	2,637.71	238.37
12 55 23 00-0008	EA	Picnic Table, 72" x 24" Over 20	2,327.74	238.37

12 55 26 Detention Safety Clothes Hooks *(12 55)*

12 55 26 00-0001	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	451.24	70.63
12 55 26 00-0002	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	373.75	70.63
12 55 26 00-0003	EA	Safety Clothes Hook, Up To 20	187.95	39.73
12 55 26 00-0004	EA	Safety Clothes Hook, Over 20	218.79	39.73
12 55 26 00-0005	EA	Front Mounted 12" x 16" Stainless Steel Mirror (Acorn 1811)	600.83	72.09
12 55 26 00-0006	EA	Front Mounted Auto-Release Clothes Hook, Acorn 1828	597.87	54.06

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	884.80	132.43
12 55 86 00-0002	EA	>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	807.31	132.43
12 55 86 00-0003	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates Note: Includes neoprene gaskets, baffle, wire cloth and security screws.	1,965.76	52.97
12 55 86 00-0004	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	863.20	44.15
12 55 86 00-0005	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	424.93	26.49
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	509.11	22.07

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	553.09	61.22
		For >100 To 249, Deduct	*-63.00*	
		For >249 To 749, Deduct	*-75.60*	
		For >749, Deduct	*-84.00*	
		For Up To 9, Add	*684.62*	
		For >9 To 24, Add	*273.01*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4)	580.27	61.22
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-67.08*	
		For >249 To 749, Deduct	*-80.49*	
		For >749, Deduct	*-89.44*	
		For Up To 9, Add	*684.20*	
		For >9 To 24, Add	*272.79*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4)	703.57	61.22
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-85.57*	
		For >249 To 749, Deduct	*-102.69*	
		For >749, Deduct	*-114.10*	
		For Up To 9, Add	*684.59*	
		For >9 To 24, Add	*273.84*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)	731.11	61.22
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	*-89.70*	
		For >249 To 749, Deduct	*-107.65*	
		For >749, Deduct	*-119.61*	
		For Up To 9, Add	*681.75*	
		For >9 To 24, Add	*275.09*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)	488.49	61.22
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-53.31*	
		For >249 To 749, Deduct	*-63.97*	
		For >749, Deduct	*-71.08*	
		For Up To 9, Add	*685.94*	
		For >9 To 24, Add	*273.67*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4)	493.92	61.22
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-54.13*	
		For >249 To 749, Deduct	*-64.95*	
		For >749, Deduct	*-72.17*	
		For Up To 9, Add	*685.60*	
		For >9 To 24, Add	*274.24*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)	517.26	61.22
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-57.63*	
		For >249 To 749, Deduct	*-69.15*	
		For >749, Deduct	*-76.84*	
		For Up To 9, Add	*683.84*	
		For >9 To 24, Add	*272.77*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)	379.36	61.22
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	*-36.94*	
		For >249 To 749, Deduct	*-44.33*	
		For >749, Deduct	*-49.26*	
		For Up To 9, Add	*674.81*	
		For >9 To 24, Add	*270.91*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	420.39	61.22
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	*-43.10*	
		For >249 To 749, Deduct	*-51.72*	
		For >749, Deduct	*-57.46*	
		For Up To 9, Add	*675.18*	
		For >9 To 24, Add	*270.07*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	578.66	61.22
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-66.84*	
		For >249 To 749, Deduct	*-80.20*	
		For >749, Deduct	*-89.12*	
		For Up To 9, Add	*708.47*	
		For >9 To 24, Add	*285.17*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	600.70	61.22
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-70.14*	
		For >249 To 749, Deduct	*-84.17*	
		For >749, Deduct	*-93.52*	
		For Up To 9, Add	*678.05*	
		For >9 To 24, Add	*271.22*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.11*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*35.68*	

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	179.70	
		For >100 To 249, Deduct	*-24.96*	
		For >249 To 749, Deduct	*-29.95*	
		For >749, Deduct	*-33.28*	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	182.90	
		For >100 To 249, Deduct	*-25.44*	
		For >249 To 749, Deduct	*-30.53*	
		For >749, Deduct	*-33.92*	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	191.25	
		For >100 To 249, Deduct	*-26.69*	
		For >249 To 749, Deduct	*-32.03*	
		For >749, Deduct	*-35.59*	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	179.70	
		For >100 To 249, Deduct	*-24.96*	
		For >249 To 749, Deduct	*-29.95*	
		For >749, Deduct	*-33.28*	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	191.95	
		For >100 To 249, Deduct	*-26.80*	
		For >249 To 749, Deduct	*-32.16*	
		For >749, Deduct	*-35.73*	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	14.34	

12 66 Telescoping Stands *(12 60)*

12 66 13 Telescoping Bleachers *(12 66)*

12 66 13 00-0001 Wall Mounted Telescoping Bleachers *(12 66 13)*

Note: Includes column cutouts, manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additonal optional accessories.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	300.91	27.52
		For Aluminum Seating And Walks, Add	*103.65*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	342.67	35.85
		For Aluminum Seating And Walks, Add	*119.90*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	388.43	36.98
		For Aluminum Seating And Walks, Add	*137.95*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	422.47	37.83
		For Aluminum Seating And Walks, Add	*150.72*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	309.49	27.52
		For Aluminum Seating And Walks, Add	*107.51*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	359.66	35.85
		For Aluminum Seating And Walks, Add	*127.55*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	411.45	36.98
		For Aluminum Seating And Walks, Add	*148.31*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	451.80	37.83
		For Aluminum Seating And Walks, Add	*163.92*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	318.14	27.52
		For Aluminum Seating And Walks, Add	*111.40*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	376.64	35.85
		For Aluminum Seating And Walks, Add	*135.19*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	434.71	36.98
		For Aluminum Seating And Walks, Add	*158.77*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	513.40	37.83
		For Aluminum Seating And Walks, Add	*177.03*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0014		**Portable Telescoping Bleachers** *(12 66 13)*		
		Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing	334.70	27.52
		For Aluminum Seating And Walks, Add	*118.85*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	382.64	35.85
		For Aluminum Seating And Walks, Add	*137.89*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	434.42	36.98
		For Aluminum Seating And Walks, Add	*158.64*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	472.71	37.83
		For Aluminum Seating And Walks, Add	*173.33*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0019		**Options And Accessories** *(12 66 13)*		
12 66 13 00-0020	EA	Removable Center Railing, Single Sphere	236.58	4.94
12 66 13 00-0021	LF	Removable Center Railing, Single Rail	81.32	4.94
12 66 13 00-0022	EA	Self Storing Side Railing	269.61	5.65
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails	193.95	6.62
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish	17.55	1.41
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish	42.91	1.41
12 66 13 00-0026	SF	Rear Filler Panel	62.04	0.71
12 66 13 00-0027	EA	4' Scorer/Timer Table	499.73	24.00
12 66 13 00-0028	EA	8' Scorer/Timer Table	624.91	36.70
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units	11,637.88	
12 66 13 00-0030	PR	Portable Dolly For Portable Units	13,054.17	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation	3.58	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.79	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread	214.70	42.35
		For Intermediate Steps, Add	*21.47*	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread	576.74	56.46
		For Intermediate Steps, Add	*57.67*	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread	170.98	17.64
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread	124.70	17.64
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing	782.02	52.93
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing	1,603.66	77.63
12 66 13 00-0039	EA	Portable Operator's Handle	447.06	
12 66 13 00-0040	EA	Vent Grills, One Pair	514.60	42.35

END OF SECTION 12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 20 Special Purpose Rooms *(13)*

13 26 Fabricated Rooms *(13 20)*

13 26 00 00-0001 Protection Padding System *(13 26)*

13 26 00 00-0002	SF	Synthetic Resinous Safety Padding System Note: For cells or detention areas. System includes resinous padding adhered to 7/16" OSB, sealant, finish coat, primer, and all fasteners. Average nominal thickness: Walls 1 1/2", Sloped Floor 1", Flat Floor 1/2".	141.28	14.19

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 19 Metal Building Systems *(13 34)*

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*
Note: Free-standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0002 for metal building options.

13 34 19 00-0002 Metal Building Options *(13 34 19 00-0001)*
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.

13 34 19 00-0003 Insulation For Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.42	0.42
13 34 19 00-0005	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.57	0.42
13 34 19 00-0006	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.78	0.56
13 34 19 00-0007	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.03	0.56
13 34 19 00-0008	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.50	0.56
13 34 19 00-0009	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.69	0.42
13 34 19 00-0010	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.84	0.42
13 34 19 00-0011	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.99	0.56
13 34 19 00-0012	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.19	0.56
13 34 19 00-0013	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.59	0.56
13 34 19 00-0014	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.61	0.42
13 34 19 00-0015	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.78	0.42
13 34 19 00-0016	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.10	0.56
13 34 19 00-0017	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.30	0.56
13 34 19 00-0018	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.67	0.56
13 34 19 00-0019	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.51	0.42
13 34 19 00-0020	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.60	0.42
13 34 19 00-0021	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.80	0.56
13 34 19 00-0022	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.21	0.56
13 34 19 00-0023	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.52	0.42
13 34 19 00-0024	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.62	0.42
13 34 19 00-0025	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.83	0.56
13 34 19 00-0026	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.26	0.56
13 34 19 00-0027	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.97	0.42
13 34 19 00-0028	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.10	0.42
13 34 19 00-0029	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.31	0.56
13 34 19 00-0030	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.74	0.56

13 34 19 00-0031 Erected Pre-Engineered Metal Buildings *(13 34 19)*
Note: 5/12 Gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge standing seam roof panels. Building span is 80' clear. Includes crane for erection. Excludes foundations, slab, doors, windows or insulation.

13 34 19 00-0032 Maintenance Center Buildings *(13 34 19 00-0031)*
Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0033	SF	2,500 SF And Under Maintenance Center Building, 16' Eave Height	73.51	
13 34 19 00-0034	SF	>2,500 To 5,000 SF Maintenance Center Building, 16' Eave Height	68.32	
13 34 19 00-0035	SF	>5,000 To 7,500 SF Maintenance Center Building, 16' Eave Height	62.45	
13 34 19 00-0036	SF	>7,500 To 10,000 SF Maintenance Center Building, 16' Eave Height	59.25	
13 34 19 00-0037	SF	>10,000 To 15,000 SF Maintenance Center Building, 16' Eave Height	54.94	

13 34 19 00-0038 Erected Pre-Engineered Wood Frame Metal Buildings *(13 34 19)*
Note: 6" Laminated yellow pine timber columns, wood framed webbed trusses 5/12 gabled roof, live load 70 Lb./SF, wind load 70 Lb./SF, Kynar finished 26 gauge wall and 24 gauge 2" standing seam roof panels. Building span is 60' clear. Includes concrete piers and crane for erection. Excludes doors, windows or insulation.

13 34 19 00-0039 Wood Frame Equipment Storage Structures *(13 34 19 00-0038)*
Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0040	SF	Up To 2,500 SF Wood Frame Structure, 16' Eave Height	51.33	
13 34 19 00-0041	SF	>2,500 To 5,000 SF Wood Frame Structure, 16' Eave Height	47.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0042	SF	>5,000 To 7,500 SF Wood Frame Structure, 16' Eave Height	43.63	
13 34 19 00-0043	SF	>7,500 To 10,000 SF Wood Frame Structure, 16' Eave Height	41.44	
13 34 19 00-0044	SF	>10,000 To 15,000 SF Wood Frame Structure, 16' Eave Height	38.39	

13 40 Integrated Construction *(13)*

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*
See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	80.57	16.00
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	100.56	16.00
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	129.63	16.00
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	144.30	16.00
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	277.38	32.00

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	47.28	16.00
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	61.30	16.00
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	73.80	16.00
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	82.66	16.00
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	150.51	32.00

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	118.50	47.99
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	160.94	63.99
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	214.72	79.99
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	160.94	63.99
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	170.03	63.99
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	304.37	127.98
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	212.34	79.99
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	118.50	47.99

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	97.36	47.99
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	146.82	63.99
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	188.78	79.99
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	146.99	63.99
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	149.41	63.99
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	277.21	127.98
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	193.10	79.99
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	97.36	47.99

13 46 13 00-0034 Connectors *(13 46 13 00-0001)*

13 46 13 00-0035 Copper Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	238.79	79.99
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	328.93	127.98
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	216.38	79.99
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	50.69	16.00
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	51.50	16.00
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	157.42	47.99

13 46 13 00-0042 Aluminum Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	196.22	79.99
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	287.15	127.98
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	191.03	79.99
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	40.90	16.00
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	121.89	47.99

13 46 13 00-0048 Bonding Plates *(13 46 13 00-0001)*

13 46 13 00-0049 Copper Bonding Plates *(13 46 13 00-0048)*

13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	194.73	79.99
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	200.28	79.99
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	295.48	127.98

13 46 13 00-0053 Aluminum Bonding Plates *(13 46 13 00-0048)*

13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	179.80	79.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	182.56	79.99
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	270.13	127.98
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	37.64	16.00
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	38.69	16.00
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	35.63	16.00
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	35.45	16.00
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	101.81	47.99
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	91.48	47.99
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)* See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	36.83	8.00
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	26.53	8.00
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	229.16	79.99

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001		Anodes *(13 47 13 13)*		
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 Lb. Magnesium Type Anodes	482.11	214.85
13 47 13 13-0004	EA	17 Lb. Magnesium Type Anodes	712.68	310.52
13 47 13 13-0005	EA	32 Lb. Magnesium Type Anode	965.43	399.48
13 47 13 13-0006	EA	48 Lb. Magnesium Type Anode	1,371.73	558.93
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)* Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	760.44	324.47
13 47 13 13-0009	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	1,164.33	453.08
13 47 13 13-0010	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	852.96	283.54
13 47 13 13-0011	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,284.47	378.54
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air-Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,411.92	460.74
13 47 13 13-0015	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,597.93	460.74
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,588.72	532.72
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,788.01	532.72
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.51	0.58
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,904.54	1,134.16
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	3,186.44	1,134.16
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	3,609.28	1,134.16
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	4,314.02	1,134.16
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	5,313.78	1,249.63
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	5,842.34	1,249.63
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	6,723.27	1,249.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	9,061.57	1,362.16
13 47 13 13-0030		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	377.48	132.78

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001 Seismic Bracing Assembly *(13 48 53)*

13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	195.14
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	189.00
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	284.06
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	368.47
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	365.02
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	542.76
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	720.50
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	226.33
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	334.72
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	443.12

13 48 53 00-0012 Seismic Brace Components *(13 48 53)*

13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	38.92
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	52.53
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	68.88
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	93.37
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	36.69
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	48.68
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	63.23
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	84.64
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	43.97
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	57.24
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	78.64
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	75.22
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	104.75
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	142.00
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	32.29
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	39.14
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	48.55

END OF SECTION 13

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	535.55	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	714.06	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	446.29	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	446.29	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	267.77	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	174.15	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	217.68	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,271.32	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,589.16	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	635.67	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,430.25	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	953.50	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,224.83	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,542.66	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	1,906.99	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,383.74	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,271.32	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,491.78	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,803.25	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,491.78	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,491.78	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,491.78	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	43,072.04	9,250.71
		For Union-Guard Cathodic Protection, Add	*9,859.88*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*9,883.88*	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	46,484.58	11,177.95
		For Union-Guard Cathodic Protection, Add	*9,956.71*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*10,508.25*	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	55,239.83	12,719.73
		For Union-Guard Cathodic Protection, Add	*11,505.91*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*13,545.31*	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,783.22	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	78.34	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	863.18	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,515.26	770.90
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	3,825.09	770.90
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	8,351.51	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	9,126.11	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	8,849.19	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	9,623.79	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	95.13	22.02
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	81.38	22.02
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	14.67	2.89
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,575.76	578.17
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	21,264.42	3,228.12
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,858.00	770.90
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	484.43	192.72
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	472.58	385.44
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	654.67	337.26
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,112.49	770.90
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	650.88	356.53
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	472.58	385.44
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	718.52	385.44
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,074.90	770.90
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,127.17	385.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	8,296.95	1,541.78
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	8,982.47	1,541.78
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	2,790.91	385.44
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	9,272.95	1,541.78
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,078.04	385.44
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,795.38	385.44
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	262.43	192.72
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,688.88	385.44
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.39	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	6,167.14	3,083.57
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.74	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	6,958.43	770.90
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,056.83	770.90
14 01 20 71-0065	EA	Removal And Replacement Of Governor	5,837.11	770.90
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	9,272.95	1,541.78
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	1,940.62	385.44
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,448.68	385.44
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	869.11	385.44
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	1,834.12	385.44
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	215.38	192.72
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	49,723.56	6,167.14
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	28,615.71	6,167.14
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	44,465.36	6,167.14
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,590.77	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,803.78	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,038.10	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,293.72	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,377.76	385.44
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	55,294.93	6,167.14
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	141.46	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	150.81	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	157.22	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,112.90	770.90
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,055.53	770.90
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,152.36	770.90
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,249.18	770.90
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,365.37	770.90
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,090.43	770.90
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,090.43	770.90
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	12,963.43	770.90
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	14,899.93	770.90
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,613.27	166.30
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,852.77	199.56
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	7,814.17	232.82
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	232.94	192.72
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	238.31	192.72
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	161.38	45.35
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	155.07	45.35
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	184.58	45.35
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	204.57	45.35
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	234.31	45.35
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	188.30	45.35
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	214.56	45.35
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	335.05	45.35
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	376.72	45.35
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	154.06	45.35
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	155.67	45.35
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	199.30	45.35
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	186.44	45.35
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	200.15	45.35
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	251.29	45.35
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	192.95	45.35
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	197.36	45.35
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	331.91	45.35
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	217.11	45.35
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	332.76	45.35
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	376.72	45.35

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings		398,370.45
		For Each Opening With Bonderized Steel Door, Add		*283.04*
		For Each Opening With Stainless Steel Doors, Add		*707.60*
		For Each Opening With Two Speed Doors, Add		*849.12*
		For Custom Plastic Laminated Cab Interiors, Add		*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		*5,629.20*
		For Stainless Steel Cab Interior, Add		*7,505.60*
		For Elevator With Manual Door, Deduct		*-10,000.00*
		For Class "C-1" Loading, Add		*1,563.04*
		For Class "C-2" Loading, Add		*1,876.40*
		For Class "C-3" Loading, Add		*2,566.92*
		For Removal Of Existing Stop, Add		*10,006.43*
		For Each Additional Stop, Add		*38,191.88*
		For Each Floor < 6 Stops, Deduct		*-32,762.04*
		For Each Additional 50 FPM, Add		*5,629.20*
		For Removal Of Existing Elevator, Add		*50,032.18*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings		419,697.78
		For Each Opening With Bonderized Steel Door, Add		*283.04*
		For Each Opening With Stainless Steel Doors, Add		*707.60*
		For Each Opening With Two Speed Doors, Add		*849.12*
		For Custom Plastic Laminated Cab Interiors, Add		*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		*5,629.20*
		For Stainless Steel Cab Interior, Add		*7,505.60*
		For Elevator With Manual Door, Deduct		*-10,000.00*
		For Class "C-1" Loading, Add		*3,126.08*
		For Class "C-2" Loading, Add		*3,752.80*
		For Class "C-3" Loading, Add		*5,201.38*
		For Removal Of Existing Stop, Add		*10,006.43*
		For Each Additional Stop, Add		*38,191.88*
		For Each Floor < 6 Stops, Deduct		*-32,762.04*
		For Each Additional 50 FPM, Add		*5,629.20*
		For Removal Of Existing Elevator, Add		*50,032.18*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings		442,885.02
		For Elevator With Manual Door, Deduct		*-10,000.00*
		For Class "C-1" Loading, Add		*3,126.08*
		For Class "C-2" Loading, Add		*3,752.80*
		For Class "C-3" Loading, Add		*5,201.38*
		For Custom Plastic Laminated Cab Interiors, Add		*4,691.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		*6,567.40*
		For Stainless Steel Cab Interior, Add		*8,443.80*
		For Removal Of Existing Stop, Add		*10,006.43*
		For Each Additional Stop, Add		*39,130.08*
		For Each Additional 50 FPM, Add		*5,629.20*
		For Each Opening With Bonderized Steel Door, Add		*281.46*
		For Each Opening With Stainless Steel Doors, Add		*562.92*
		For Each Opening With Two Speed Doors, Add		*703.65*
		For Removal Of Existing Elevator, Add		*50,032.18*
		For Each Floor < 6 Stops, Deduct		*-33,762.04*
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings		453,273.56
		For Elevator With Manual Door, Deduct		*-10,000.00*
		For Class "C-1" Loading, Add		*3,126.08*
		For Class "C-2" Loading, Add		*3,752.80*
		For Class "C-3" Loading, Add		*5,201.38*
		For Custom Plastic Laminated Cab Interiors, Add		*4,691.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		*6,567.40*
		For Stainless Steel Cab Interior, Add		*8,443.80*
		For Removal Of Existing Stop, Add		*10,006.43*
		For Each Additional Stop, Add		*39,130.08*
		For Each Additional 50 FPM, Add		*5,629.20*
		For Each Opening With Bonderized Steel Door, Add		*281.46*
		For Each Opening With Stainless Steel Doors, Add		*562.92*
		For Each Opening With Two Speed Doors, Add		*703.65*
		For Removal Of Existing Elevator, Add		*50,032.18*
		For Each Floor < 6 Stops, Deduct		*-33,762.04*
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings		467,379.84
		For Elevator With Manual Door, Deduct		*-10,000.00*
		For Each Additional 50 FPM, Add		*14,152.00*
		For Class "C-1" Loading, Add		*6,254.04*
		For Class "C-2" Loading, Add		*7,505.60*
		For Class "C-3" Loading, Add		*10,267.66*
		For Removal Of Existing Stop, Add		*10,006.43*
		For Each Additional Stop, Add		*39,130.08*
		For Each Opening With Bonderized Steel Door, Add		*375.28*
		For Each Opening With Stainless Steel Doors, Add		*656.74*
		For Each Opening With Two Speed Doors, Add		*797.47*
		For Custom Plastic Laminated Cab Interiors, Add		*5,629.20*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		*7,505.60*
		For Stainless Steel Cab Interior, Add		*9,382.00*
		For Removal Of Existing Elevator, Add		*50,032.18*
		For Each Floor < 6 Stops, Deduct		*-33,762.04*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	483,353.84	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Each Additional Stop, Add	*39,130.08*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*50,032.18*	
		For Each Floor < 6 Stops, Deduct	*-33,762.04*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	497,075.36	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Each Additional Stop, Add	*39,130.08*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*50,032.18*	
		For Each Floor < 6 Stops, Deduct	*-33,762.04*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	295,249.95	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	303,025.53	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	309,990.02	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	315,057.21	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	321,644.23	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	327,870.98	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	334,239.17	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For Each Additional Stop, Add	*38,191.88*	
		For Each Floor < 6 Stops, Deduct	*-22,504.92*	
		For Removal Of Existing Elevator, Add	*37,514.79*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	243,387.70	
		For Each Additional Stop, Add	*27,329.92*	
		For 2 Stops, Deduct	*-16,383.71*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	250,979.08	
		For Each Additional Stop, Add	*27,329.92*	
		For 2 Stops, Deduct	*-16,383.71*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*25,049.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	257,967.62	
		For Each Additional Stop, Add	*27,329.92*	
		For 2 Stops, Deduct	*-16,383.71*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	264,743.68	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,745.12*	
		For 2 Stops, Deduct	*-17,383.71*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	279,039.74	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,745.12*	
		For 2 Stops, Deduct	*-17,383.71*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	285,904.64	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,745.12*	
		For 2 Stops, Deduct	*-17,383.71*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*37,514.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	296,166.19	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,745.12*	
		For 2 Stops, Deduct	*-17,383.71*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Each Additional 50 FPM, Add	*15,567.20*	
		For Class "C-1" Loading, Add	*7,815.21*	
		For Class "C-2" Loading, Add	*9,382.00*	
		For Class "C-3" Loading, Add	*12,834.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	303,838.86	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,745.12*	
		For 2 Stops, Deduct	*-17,383.71*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	316,619.92	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,745.12*	
		For 2 Stops, Deduct	*-17,383.71*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,006.43*	
		For Removal Of Existing Elevator, Add	*37,514.79*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling Note: Includes casing.	110.85	
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling Note: Includes casing.	132.04	

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	167,044.24	
		For Each Additional Stop, Add	*27,329.92*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	169,874.64	
		For Each Additional Stop, Add	*27,329.92*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	171,820.54	
		For Each Additional Stop, Add	*27,329.92*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	179,925.09	
		For Each Additional Stop, Add	*27,329.92*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	183,234.11	
		For Each Additional Stop, Add	*27,329.92*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	187,373.57	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,745.12*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	192,134.36	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,745.12*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*372.10*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Removal Of Existing Stop, Add	*5,001.97*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Jack Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	142,690.14	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Each Additional Stop, Add	*29,206.47*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	147,924.64	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Each Additional Stop, Add	*29,206.47*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	152,962.99	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Each Additional Stop, Add	*29,206.47*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	176,475.73	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*25,049.80*	
		For Each Additional Stop, Add	*29,206.47*	
		For An Additional 25 FPM, Add	*2,384.61*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings	104,214.53	
		Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
		For Each Additional Stop, Add	*17,837.32*	
		For Removal Of Existing Elevator, Add	*7,504.83*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*
Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,674.73	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,799.80	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,891.31	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	1,030.71	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	4,019.15	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	5,056.31	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,917.12	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,791.25	
14 27 16 00-0006	EA	Bi-Parting Doors	12,132.91	
14 27 16 00-0007	EA	Power Operated Door And Gate	35,255.70	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,071.88	1,168.87
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	13,735.86	1,752.05
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	21,095.48	2,336.05
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	29,548.23	2,964.95
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	40,953.81	3,504.05
14 28 16 00-0007	EA	Duplex Care Selective Collective	9,387.46	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	6,062.42	
14 28 16 00-0009	EA	Manual Emergency Power Switching	1,024.61	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	247.77	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	208.88	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,355.55	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	60,565.21	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	98,944.22	
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	137,137.35	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	25,608.24	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	31,221.16	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	34,393.68	

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*
Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	29,221.30	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,506.56*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,739.29	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,688.71*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	32,257.28	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,870.87*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*
Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	8,251.03	1,229.59
14 41 19 00-0003	EA	Stair Glide, Stairway Lift, Access Industries Commercial Package Note: Complete assembly includes 16' rail, seat, carriage, footrest, obstruction safety panels, locking swivel top and bottom, keyed call/send controls, limit switch, armrest controls, seat belt, lock box, and overspeed brake.	10,924.37	492.61
		For Each Additional Foot Of Rail, Add	*61.99*	

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*
Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	15,330.17	1,844.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16		**Vertical Wheelchair Lifts** *(14 42)*		
14 42 16 00-0001		Wheelchair Lift (Shorty) *(14 42 16)*		
14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	10,637.34	860.72
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	13,083.86	1,075.90
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	15,602.16	1,398.67
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	17,531.85	1,613.85
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift Note: 500 Lb. capacity, interior installation.	18,115.39	768.50
14 42 16 00-0007		Wheelchair Screw Lift *(14 42 16)*		
14 42 16 00-0008	EA	36" x 60" Platform, 750 Lb. Capacity, Up To 52" Lifting Height Toe Guard Porch Lift (ThyssenKrupp Access PL-TG)	21,702.42	3,458.24
		For Battery Operated System, Add	*2,458.71*	
		For Hydraulic Drive, Add	*2,741.38*	
		For Flush/Surface Mount Paddle Call/Send Controls (Key Operation), Add	*435.29*	
		For Clear Or Bronze Tinted Acrylic Insert In Upper Landing Gate, Add	*347.90*	
		For Clear Or Bronze Tinted Acrylic Insert In Lower Landing Gate, Add	*652.32*	
		For Auto-Opener For Door Or Gate (Per Landing), Add	*2,870.62*	
		For 90 Degree Exit Platform, Add	*2,328.25*	
		For Clear Or Bronze Tinted Acrylic Insert In 42" Guard Panel, Add	*891.50*	
		For ADA Compliant Phone With Emergency Platform Light, Add	*2,044.35*	
		For Special Order Colors (Taupe, Sable Brown, Pearl Gray Or Selected From Sherwin Williams/RAL Colors), Add	*3,326.83*	

END OF SECTION 14

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration *(21 01 10)*

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping	757.56
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping	454.53
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping	181.82
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping	90.90
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	

21 01 10 91-0006 Purge And Refill System Sprinkler Piping *(21 01 10 91)*

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	501.98
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	716.93
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	859.02
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	1,073.78
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	1,395.92
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	0.70
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	702.79
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,003.72
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,202.64
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,503.30
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,954.29
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	0.98
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	966.32
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,380.10
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,653.64
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	2,067.04
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	2,687.14
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1.34
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,304.54
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,863.13
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,978.31
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	2,472.88
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	3,214.76
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1.61

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 91 Fire-Suppression Equipment Restoration *(21 01 30)*

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	325.75
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.00
21 01 30 91-0004	EA	Inspection, Halon 1301	325.75
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	71.96
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	196.97
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	67.46
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	196.97
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.00
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents	60.60
		See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA	Disarm/Arm System	106.06

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	58.43	17.49
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	60.36	17.49
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	69.36	17.49
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	73.06	17.49
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	76.76	17.49

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,988.29	245.08
		For >10 To 25, Deduct	*-499.41*	
		For >25, Deduct	*-1,467.57*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,404.77	410.87
		For >10 To 25, Deduct	*-1,020.24*	
		For >25, Deduct	*-3,009.23*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,623.13	583.20
		For >10 To 25, Deduct	*-1,381.16*	
		For >25, Deduct	*-4,070.31*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	36,036.08	745.20
		For >10 To 25, Deduct	*-1,801.80*	
		For >25, Deduct	*-5,312.84*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,820.41	907.21
		For >10 To 25, Deduct	*-2,541.02*	
		For >25, Deduct	*-7,509.66*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0875 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001 Fire Department Connections *(21 11 19)*

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,229.46	450.45
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,690.76	563.06
		For Polished Chrome, Add	*104.67*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,743.30	450.45
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,293.64	563.06
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,441.01	563.06
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	2,126.90	595.94
		For Polished Chrome, Add	*153.05*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,384.91	450.45
		For Polished Chrome, Add	*87.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0009		Wall Type Indicator Post, Wheel Operated *(21 11 19)*		
		See CSI section 33 14 19 00-0169 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	3,112.15	410.87

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.75	3.04
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	4.32	3.04
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.98	3.04
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	4.61	3.04
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.08	3.04
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.93	3.04
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.18	3.04
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	5.15	3.04

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.13	1.66
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	11.36	1.97
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	19.06	1.97

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	185.44	50.00
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	273.63	56.06
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	110.43	39.40
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	204.95	39.40
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	164.90	39.40
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	231.60	39.40
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	391.59	166.66
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	519.06	166.66

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Diameter, Fire Department Valve, Polished Brass With Plug And Chain	1,071.92	297.97
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	1,806.59	297.83
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	2,357.56	322.17
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	2,865.27	297.83
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	3,377.89	322.17
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	1,694.07	297.83
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	2,534.01	322.17
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	3,291.58	307.49
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	4,756.22	341.61
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	3,544.74	307.49
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	5,137.65	341.61
		For Polished Chrome, Add	*554.40*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Diameter, Fire Department Valve, Square, Flush, Polished Brass	7,249.47	409.89
		For Polished Chrome, Add	*662.83*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	260.41	40.91
21 12 23 00-0016	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	306.82	40.91
21 12 23 00-0017	EA	1-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	289.94	40.91
21 12 23 00-0018	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	336.35	40.91
21 12 23 00-0019	EA	2-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	460.68	68.18
21 12 23 00-0020	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	528.17	68.18
21 12 23 00-0021	EA	2-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	533.80	68.18
21 12 23 00-0022	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	601.30	68.18

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,922.57	738.63
21 12 29 00-0003	EA	Water Motor Gong	1,028.09	225.88
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	807.04	26.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	277.58	44.95

21 12 29 00-0006 Water Flow Detector *(21 12 29)*

21 12 29 00-0007 Pressure-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	467.07	138.32
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	673.21	183.27
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,013.09	207.48

21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	570.11	138.32
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	799.44	183.27
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,213.19	207.48

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1395 for individual grooved pipe, 23 21 13 23-1468 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	804.50
		For Copper Pipe, Add	*96.39*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-136.61*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Up To 5, Add	*370.38*
		For >5 To 10, Add	*233.76*
		For >10 To 20, Add	*153.31*
		For >20 To 40, Add	*64.51*
		For >100 To 150, Deduct	*-80.45*
		For >150, Deduct	*-160.90*
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,060.09
		For Copper Pipe, Add	*123.25*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-176.25*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Up To 5, Add	*495.57*
		For >5 To 10, Add	*319.31*
		For >10 To 20, Add	*213.30*
		For >20 To 40, Add	*88.77*
		For >100 To 150, Deduct	*-106.01*
		For >150, Deduct	*-212.02*
		For Work In Restricted Working Space, Add	*214.59*

21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	788.79
		For Copper Pipe, Add	*94.32*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-133.76*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Up To 5, Add	*363.51*
		For >5 To 10, Add	*229.74*
		For >10 To 20, Add	*150.87*
		For >20 To 40, Add	*63.44*
		For >100 To 150, Deduct	*-78.88*
		For >150, Deduct	*-157.76*
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,037.10
		For Copper Pipe, Add	*120.27*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-172.13*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Up To 5, Add	*485.43*
		For >5 To 10, Add	*313.30*
		For >10 To 20, Add	*209.59*
		For >20 To 40, Add	*87.15*
		For >100 To 150, Deduct	*-103.71*
		For >150, Deduct	*-207.42*
		For Work In Restricted Working Space, Add	*211.76*

21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	729.84	
		For Copper Pipe, Add	*87.13*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-123.62*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*336.63*	
		For >5 To 10, Add	*213.01*	
		For >10 To 20, Add	*140.03*	
		For >20 To 40, Add	*58.84*	
		For >100 To 150, Deduct	*-72.98*	
		For >150, Deduct	*-145.97*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	961.42	
		For Copper Pipe, Add	*111.34*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-159.41*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*450.32*	
		For >5 To 10, Add	*290.92*	
		For >10 To 20, Add	*194.78*	
		For >20 To 40, Add	*80.95*	
		For >100 To 150, Deduct	*-96.14*	
		For >150, Deduct	*-192.28*	
		For Work In Restricted Working Space, Add	*197.27*	

21 13 13 00-0011 Wet Pipe Sprinkler Components *(21 13 13)*

Note: Excludes hydraulic calculations.

21 13 13 00-0012 Wet Pipe Alarm Check Valves *(21 13 13 00-0011)*

Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.

21 13 13 00-0013	EA	2-1/2" Diameter, Wet Pipe Alarm Check Valve	2,138.33	190.19
21 13 13 00-0014	EA	3" Diameter, Wet Pipe Alarm Check Valve	2,193.67	217.86
21 13 13 00-0015	EA	4" Diameter, Wet Pipe Alarm Check Valve	2,497.97	370.01
21 13 13 00-0016	EA	6" Diameter, Wet Pipe Alarm Check Valve	2,449.18	466.84
21 13 13 00-0017	EA	8" Diameter, Wet Pipe Alarm Check Valve	4,291.51	591.33

21 13 13 00-0018 Wet Pipe Valve Trim *(21 13 13 00-0011)*

Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.

21 13 13 00-0019	EA	2-1/2" Diameter, Wet Pipe Valve Trim	1,557.43	402.52
21 13 13 00-0020	EA	3" Diameter, Wet Pipe Valve Trim	1,629.83	402.52
21 13 13 00-0021	EA	4" Diameter, Wet Pipe Valve Trim	2,009.58	551.90
21 13 13 00-0022	EA	6" Diameter, Wet Pipe Valve Trim	2,441.62	767.70
21 13 13 00-0023	EA	8" Diameter, Wet Pipe Valve Trim	2,745.93	950.27

21 13 13 00-0024 Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*

21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0026	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	106.69	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-30.79*	
		For >1,000, Deduct	*-44.43*	
21 13 13 00-0027	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	110.62	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.94*	
		For >100 To 500, Deduct	*-15.53*	
		For >500 To 1,000, Deduct	*-31.50*	
		For >1,000, Deduct	*-45.14*	
21 13 13 00-0028	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	113.12	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-15.84*	
		For >500 To 1,000, Deduct	*-31.95*	
		For >1,000, Deduct	*-45.59*	
21 13 13 00-0029	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	108.66	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.84*	
		For >100 To 500, Deduct	*-15.29*	
		For >500 To 1,000, Deduct	*-31.15*	
		For >1,000, Deduct	*-44.79*	
21 13 13 00-0030	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	112.74	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.05*	
		For >100 To 500, Deduct	*-15.80*	
		For >500 To 1,000, Deduct	*-31.88*	
		For >1,000, Deduct	*-45.52*	
21 13 13 00-0031	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	115.34	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-32.35*	
		For >1,000, Deduct	*-45.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0032	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	134.34	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.13*	
		For >100 To 500, Deduct	*-18.50*	
		For >500 To 1,000, Deduct	*-35.77*	
		For >1,000, Deduct	*-49.41*	
21 13 13 00-0033	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	144.86	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-19.81*	
		For >500 To 1,000, Deduct	*-37.67*	
		For >1,000, Deduct	*-51.30*	
21 13 13 00-0034	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	134.34	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.13*	
		For >100 To 500, Deduct	*-18.50*	
		For >500 To 1,000, Deduct	*-35.77*	
		For >1,000, Deduct	*-49.41*	
21 13 13 00-0035	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	144.86	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-19.81*	
		For >500 To 1,000, Deduct	*-37.67*	
		For >1,000, Deduct	*-51.30*	
21 13 13 00-0036	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	120.73	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.45*	
		For >100 To 500, Deduct	*-16.80*	
		For >500 To 1,000, Deduct	*-33.32*	
		For >1,000, Deduct	*-46.96*	
21 13 13 00-0037	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	125.87	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.70*	
		For >100 To 500, Deduct	*-17.44*	
		For >500 To 1,000, Deduct	*-34.25*	
		For >1,000, Deduct	*-47.88*	
21 13 13 00-0038	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	122.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 500, Deduct	*-17.22*	
		For >500 To 1,000, Deduct	*-34.95*	
		For >1,000, Deduct	*-50.10*	
21 13 13 00-0039	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	128.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 500, Deduct	*-17.97*	
		For >500 To 1,000, Deduct	*-36.03*	
		For >1,000, Deduct	*-51.18*	
21 13 13 00-0040	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	129.82	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.28*	
		For >100 To 500, Deduct	*-18.12*	
		For >500 To 1,000, Deduct	*-36.25*	
		For >1,000, Deduct	*-51.40*	
21 13 13 00-0041	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	122.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 500, Deduct	*-17.22*	
		For >500 To 1,000, Deduct	*-34.95*	
		For >1,000, Deduct	*-50.10*	
21 13 13 00-0042	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	128.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 500, Deduct	*-17.97*	
		For >500 To 1,000, Deduct	*-36.03*	
		For >1,000, Deduct	*-51.18*	
21 13 13 00-0043	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	129.82	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.28*	
		For >100 To 500, Deduct	*-18.12*	
		For >500 To 1,000, Deduct	*-36.25*	
		For >1,000, Deduct	*-51.40*	
21 13 13 00-0044	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	118.02	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 500, Deduct	*-16.46*	
		For >500 To 1,000, Deduct	*-32.83*	
		For >1,000, Deduct	*-46.47*	
21 13 13 00-0045	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	121.94	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-33.54*	
		For >1,000, Deduct	*-47.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0046	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	122.70	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.04*	
		For >500 To 1,000, Deduct	*-33.68*	
		For >1,000, Deduct	*-47.31*	
21 13 13 00-0047	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	118.02	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 500, Deduct	*-16.46*	
		For >500 To 1,000, Deduct	*-32.83*	
		For >1,000, Deduct	*-46.47*	
21 13 13 00-0048	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	121.94	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-33.54*	
		For >1,000, Deduct	*-47.18*	
21 13 13 00-0049	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	122.70	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.04*	
		For >500 To 1,000, Deduct	*-33.68*	
		For >1,000, Deduct	*-47.31*	
21 13 13 00-0050	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	122.69	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.04*	
		For >500 To 1,000, Deduct	*-33.67*	
		For >1,000, Deduct	*-47.31*	
21 13 13 00-0051	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	164.67	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-12.02*	
		For >100 To 500, Deduct	*-22.48*	
		For >500 To 1,000, Deduct	*-42.52*	
		For >1,000, Deduct	*-57.67*	
21 13 13 00-0052	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	169.18	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-12.25*	
		For >100 To 500, Deduct	*-23.04*	
		For >500 To 1,000, Deduct	*-43.33*	
		For >1,000, Deduct	*-58.48*	
21 13 13 00-0053	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	169.18	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-12.25*	
		For >100 To 500, Deduct	*-23.04*	
		For >500 To 1,000, Deduct	*-43.33*	
		For >1,000, Deduct	*-58.48*	
21 13 13 00-0054	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	134.24	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.50*	
		For >100 To 500, Deduct	*-18.67*	
		For >500 To 1,000, Deduct	*-37.04*	
		For >1,000, Deduct	*-52.19*	
21 13 13 00-0055	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	137.33	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-19.06*	
		For >500 To 1,000, Deduct	*-37.60*	
		For >1,000, Deduct	*-52.75*	
21 13 13 00-0056	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	137.33	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-19.06*	
		For >500 To 1,000, Deduct	*-37.60*	
		For >1,000, Deduct	*-52.75*	
21 13 13 00-0057	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	389.57	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-22.89*	
		For >100 To 500, Deduct	*-50.40*	
		For >500 To 1,000, Deduct	*-81.71*	
		For >1,000, Deduct	*-95.35*	
21 13 13 00-0058	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	429.01	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-25.24*	
		For >100 To 500, Deduct	*-55.52*	
		For >500 To 1,000, Deduct	*-90.10*	
		For >1,000, Deduct	*-105.25*	
21 13 13 00-0059	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	208.91	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-13.85*	
		For >100 To 500, Deduct	*-27.82*	
		For >500 To 1,000, Deduct	*-49.19*	
		For >1,000, Deduct	*-62.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0060	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	255.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-16.21*	
		For >100 To 500, Deduct	*-33.70*	
		For >500 To 1,000, Deduct	*-57.67*	
		For >1,000, Deduct	*-71.30*	
21 13 13 00-0061	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	452.80	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-26.05*	
		For >100 To 500, Deduct	*-58.30*	
		For >500 To 1,000, Deduct	*-93.09*	
		For >1,000, Deduct	*-106.73*	
21 13 13 00-0062	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	575.46	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-32.18*	
		For >100 To 500, Deduct	*-73.64*	
		For >500 To 1,000, Deduct	*-115.17*	
		For >1,000, Deduct	*-128.81*	
21 13 13 00-0063	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	263.56	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-16.97*	
		For >100 To 500, Deduct	*-34.84*	
		For >500 To 1,000, Deduct	*-60.32*	
		For >1,000, Deduct	*-75.47*	
21 13 13 00-0064	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	264.98	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-17.04*	
		For >100 To 500, Deduct	*-35.02*	
		For >500 To 1,000, Deduct	*-60.58*	
		For >1,000, Deduct	*-75.73*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	106.69	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-30.79*	
		For >1,000, Deduct	*-44.43*	
21 13 13 00-0067	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	110.62	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.94*	
		For >100 To 500, Deduct	*-15.53*	
		For >500 To 1,000, Deduct	*-31.50*	
		For >1,000, Deduct	*-45.14*	
21 13 13 00-0068	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	113.12	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-15.84*	
		For >500 To 1,000, Deduct	*-31.95*	
		For >1,000, Deduct	*-45.59*	
21 13 13 00-0069	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	124.00	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 500, Deduct	*-17.39*	
		For >500 To 1,000, Deduct	*-35.20*	
		For >1,000, Deduct	*-50.35*	
21 13 13 00-0070	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	128.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 500, Deduct	*-17.97*	
		For >500 To 1,000, Deduct	*-36.03*	
		For >1,000, Deduct	*-51.18*	
21 13 13 00-0071	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	129.31	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.25*	
		For >100 To 500, Deduct	*-18.06*	
		For >500 To 1,000, Deduct	*-36.16*	
		For >1,000, Deduct	*-51.31*	
21 13 13 00-0072	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	389.57	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-22.89*	
		For >100 To 500, Deduct	*-50.40*	
		For >500 To 1,000, Deduct	*-81.71*	
		For >1,000, Deduct	*-95.35*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	106.69	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-30.79*	
		For >1,000, Deduct	*-44.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0075	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	110.62	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.94*	
		For >100 To 500, Deduct	*-15.53*	
		For >500 To 1,000, Deduct	*-31.50*	
		For >1,000, Deduct	*-45.14*	
21 13 13 00-0076	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	113.12	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-15.84*	
		For >500 To 1,000, Deduct	*-31.95*	
		For >1,000, Deduct	*-45.59*	
21 13 13 00-0077	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	122.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 500, Deduct	*-17.22*	
		For >500 To 1,000, Deduct	*-34.95*	
		For >1,000, Deduct	*-50.10*	
21 13 13 00-0078	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	128.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 500, Deduct	*-17.97*	
		For >500 To 1,000, Deduct	*-36.03*	
		For >1,000, Deduct	*-51.18*	
21 13 13 00-0079	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	129.82	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.28*	
		For >100 To 500, Deduct	*-18.12*	
		For >500 To 1,000, Deduct	*-36.25*	
		For >1,000, Deduct	*-51.40*	
21 13 13 00-0080	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	118.02	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 500, Deduct	*-16.46*	
		For >500 To 1,000, Deduct	*-32.83*	
		For >1,000, Deduct	*-46.47*	
21 13 13 00-0081	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	121.94	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-33.54*	
		For >1,000, Deduct	*-47.18*	
21 13 13 00-0082	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	122.70	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.04*	
		For >500 To 1,000, Deduct	*-33.68*	
		For >1,000, Deduct	*-47.31*	
21 13 13 00-0083	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	118.02	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 500, Deduct	*-16.46*	
		For >500 To 1,000, Deduct	*-32.83*	
		For >1,000, Deduct	*-46.47*	
21 13 13 00-0084	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	121.94	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-33.54*	
		For >1,000, Deduct	*-47.18*	
21 13 13 00-0085	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	122.70	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.04*	
		For >500 To 1,000, Deduct	*-33.68*	
		For >1,000, Deduct	*-47.31*	
21 13 13 00-0086	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	118.02	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 500, Deduct	*-16.46*	
		For >500 To 1,000, Deduct	*-32.83*	
		For >1,000, Deduct	*-46.47*	
21 13 13 00-0087	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	121.94	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-33.54*	
		For >1,000, Deduct	*-47.18*	
21 13 13 00-0088	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	122.70	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.04*	
		For >500 To 1,000, Deduct	*-33.68*	
		For >1,000, Deduct	*-47.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0089	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	106.69	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-30.79*	
		For >1,000, Deduct	*-44.43*	
21 13 13 00-0090	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	110.62	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.94*	
		For >100 To 500, Deduct	*-15.53*	
		For >500 To 1,000, Deduct	*-31.50*	
		For >1,000, Deduct	*-45.14*	
21 13 13 00-0091	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	113.12	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-15.84*	
		For >500 To 1,000, Deduct	*-31.95*	
		For >1,000, Deduct	*-45.59*	
21 13 13 00-0092	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	108.67	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.84*	
		For >100 To 500, Deduct	*-15.29*	
		For >500 To 1,000, Deduct	*-31.15*	
		For >1,000, Deduct	*-44.79*	
21 13 13 00-0093	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	111.44	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.98*	
		For >100 To 500, Deduct	*-15.63*	
		For >500 To 1,000, Deduct	*-31.65*	
		For >1,000, Deduct	*-45.29*	
21 13 13 00-0094	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	113.97	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.11*	
		For >100 To 500, Deduct	*-15.95*	
		For >500 To 1,000, Deduct	*-32.11*	
		For >1,000, Deduct	*-45.74*	
21 13 13 00-0095	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	126.31	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.10*	
		For >100 To 500, Deduct	*-17.68*	
		For >500 To 1,000, Deduct	*-35.62*	
		For >1,000, Deduct	*-50.77*	
21 13 13 00-0096	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	131.39	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.36*	
		For >100 To 500, Deduct	*-18.32*	
		For >500 To 1,000, Deduct	*-36.53*	
		For >1,000, Deduct	*-51.68*	
21 13 13 00-0097	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	131.39	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.36*	
		For >100 To 500, Deduct	*-18.32*	
		For >500 To 1,000, Deduct	*-36.53*	
		For >1,000, Deduct	*-51.68*	
21 13 13 00-0098	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	120.73	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.45*	
		For >100 To 500, Deduct	*-16.80*	
		For >500 To 1,000, Deduct	*-33.32*	
		For >1,000, Deduct	*-46.96*	
21 13 13 00-0099	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	125.87	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.70*	
		For >100 To 500, Deduct	*-17.44*	
		For >500 To 1,000, Deduct	*-34.25*	
		For >1,000, Deduct	*-47.88*	
21 13 13 00-0100	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	133.56	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.09*	
		For >100 To 500, Deduct	*-18.40*	
		For >500 To 1,000, Deduct	*-35.63*	
		For >1,000, Deduct	*-49.27*	
21 13 13 00-0101	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	141.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.51*	
		For >100 To 500, Deduct	*-19.45*	
		For >500 To 1,000, Deduct	*-37.15*	
		For >1,000, Deduct	*-50.78*	
21 13 13 00-0102	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	133.56	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.09*	
		For >100 To 500, Deduct	*-18.40*	
		For >500 To 1,000, Deduct	*-35.63*	
		For >1,000, Deduct	*-49.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0103	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	141.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.51*	
		For >100 To 500, Deduct	*-19.45*	
		For >500 To 1,000, Deduct	*-37.15*	
		For >1,000, Deduct	*-50.78*	
21 13 13 00-0104	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	114.10	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.11*	
		For >100 To 500, Deduct	*-15.97*	
		For >500 To 1,000, Deduct	*-32.13*	
		For >1,000, Deduct	*-45.76*	
21 13 13 00-0105	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	118.51	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.33*	
		For >100 To 500, Deduct	*-16.52*	
		For >500 To 1,000, Deduct	*-32.92*	
		For >1,000, Deduct	*-46.56*	
21 13 13 00-0106	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	120.82	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.45*	
		For >100 To 500, Deduct	*-16.81*	
		For >500 To 1,000, Deduct	*-33.34*	
		For >1,000, Deduct	*-46.97*	
21 13 13 00-0107	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	124.46	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.01*	
		For >100 To 500, Deduct	*-17.45*	
		For >500 To 1,000, Deduct	*-35.28*	
		For >1,000, Deduct	*-50.43*	
21 13 13 00-0108	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	128.82	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.23*	
		For >100 To 500, Deduct	*-18.00*	
		For >500 To 1,000, Deduct	*-36.07*	
		For >1,000, Deduct	*-51.22*	
21 13 13 00-0109	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	133.04	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.44*	
		For >100 To 500, Deduct	*-18.52*	
		For >500 To 1,000, Deduct	*-36.83*	
		For >1,000, Deduct	*-51.98*	
21 13 13 00-0110	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	116.59	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.24*	
		For >100 To 500, Deduct	*-16.28*	
		For >500 To 1,000, Deduct	*-32.58*	
		For >1,000, Deduct	*-46.21*	
21 13 13 00-0111	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	120.91	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.45*	
		For >100 To 500, Deduct	*-16.82*	
		For >500 To 1,000, Deduct	*-33.35*	
		For >1,000, Deduct	*-46.99*	
21 13 13 00-0112	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	123.27	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.57*	
		For >100 To 500, Deduct	*-17.11*	
		For >500 To 1,000, Deduct	*-33.78*	
		For >1,000, Deduct	*-47.42*	
21 13 13 00-0113	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	126.31	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.10*	
		For >100 To 500, Deduct	*-17.68*	
		For >500 To 1,000, Deduct	*-35.62*	
		For >1,000, Deduct	*-50.77*	
21 13 13 00-0114	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	130.85	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.33*	
		For >100 To 500, Deduct	*-18.25*	
		For >500 To 1,000, Deduct	*-36.43*	
		For >1,000, Deduct	*-51.58*	
21 13 13 00-0115	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	135.24	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.55*	
		For >100 To 500, Deduct	*-18.80*	
		For >500 To 1,000, Deduct	*-37.22*	
		For >1,000, Deduct	*-52.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0116	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	185.35	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-12.68*	
		For >100 To 500, Deduct	*-24.87*	
		For >500 To 1,000, Deduct	*-44.95*	
		For >1,000, Deduct	*-58.59*	
21 13 13 00-0117	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	185.35	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-12.68*	
		For >100 To 500, Deduct	*-24.87*	
		For >500 To 1,000, Deduct	*-44.95*	
		For >1,000, Deduct	*-58.59*	
21 13 13 00-0118	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	138.75	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.73*	
		For >100 To 500, Deduct	*-19.24*	
		For >500 To 1,000, Deduct	*-37.85*	
		For >1,000, Deduct	*-53.01*	
21 13 13 00-0119	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	142.08	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.89*	
		For >100 To 500, Deduct	*-19.65*	
		For >500 To 1,000, Deduct	*-38.45*	
		For >1,000, Deduct	*-53.61*	
21 13 13 00-0120	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	142.08	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.89*	
		For >100 To 500, Deduct	*-19.65*	
		For >500 To 1,000, Deduct	*-38.45*	
		For >1,000, Deduct	*-53.61*	
21 13 13 00-0121	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	134.24	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.50*	
		For >100 To 500, Deduct	*-18.67*	
		For >500 To 1,000, Deduct	*-37.04*	
		For >1,000, Deduct	*-52.19*	
21 13 13 00-0122	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	137.33	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-19.06*	
		For >500 To 1,000, Deduct	*-37.60*	
		For >1,000, Deduct	*-52.75*	
21 13 13 00-0123	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	137.33	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 500, Deduct	*-19.06*	
		For >500 To 1,000, Deduct	*-37.60*	
		For >1,000, Deduct	*-52.75*	
21 13 13 00-0124	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	389.57	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-22.89*	
		For >100 To 500, Deduct	*-50.40*	
		For >500 To 1,000, Deduct	*-81.71*	
		For >1,000, Deduct	*-95.35*	
21 13 13 00-0125	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	429.01	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-25.24*	
		For >100 To 500, Deduct	*-55.52*	
		For >500 To 1,000, Deduct	*-90.10*	
		For >1,000, Deduct	*-105.25*	
21 13 13 00-0126	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	208.91	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-13.85*	
		For >100 To 500, Deduct	*-27.82*	
		For >500 To 1,000, Deduct	*-49.19*	
		For >1,000, Deduct	*-62.83*	
21 13 13 00-0127	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	255.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-16.21*	
		For >100 To 500, Deduct	*-33.70*	
		For >500 To 1,000, Deduct	*-57.67*	
		For >1,000, Deduct	*-71.30*	
21 13 13 00-0128	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	452.80	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-26.05*	
		For >100 To 500, Deduct	*-58.30*	
		For >500 To 1,000, Deduct	*-93.09*	
		For >1,000, Deduct	*-106.73*	
21 13 13 00-0129	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	575.46	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-32.18*	
		For >100 To 500, Deduct	*-73.64*	
		For >500 To 1,000, Deduct	*-115.17*	
		For >1,000, Deduct	*-128.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0130	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	263.56	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-16.97*	
		For >100 To 500, Deduct	*-34.84*	
		For >500 To 1,000, Deduct	*-60.32*	
		For >1,000, Deduct	*-75.47*	
21 13 13 00-0131	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	264.98	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-17.04*	
		For >100 To 500, Deduct	*-35.02*	
		For >500 To 1,000, Deduct	*-60.58*	
		For >1,000, Deduct	*-75.73*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.56	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.04*	
		For >100 To 500, Deduct	*-15.77*	
		For >500 To 1,000, Deduct	*-31.85*	
		For >1,000, Deduct	*-45.49*	
21 13 13 00-0135	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	115.70	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 500, Deduct	*-16.17*	
		For >500 To 1,000, Deduct	*-32.42*	
		For >1,000, Deduct	*-46.05*	
21 13 13 00-0136	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	120.67	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 500, Deduct	*-16.79*	
		For >500 To 1,000, Deduct	*-33.31*	
		For >1,000, Deduct	*-46.95*	
21 13 13 00-0137	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	114.33	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.13*	
		For >100 To 500, Deduct	*-16.00*	
		For >500 To 1,000, Deduct	*-32.17*	
		For >1,000, Deduct	*-45.81*	
21 13 13 00-0138	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.53	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.29*	
		For >100 To 500, Deduct	*-16.40*	
		For >500 To 1,000, Deduct	*-32.75*	
		For >1,000, Deduct	*-46.38*	
21 13 13 00-0139	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	122.60	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-17.03*	
		For >500 To 1,000, Deduct	*-33.66*	
		For >1,000, Deduct	*-47.29*	
21 13 13 00-0140	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	125.87	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.70*	
		For >100 To 500, Deduct	*-17.44*	
		For >500 To 1,000, Deduct	*-34.25*	
		For >1,000, Deduct	*-47.88*	
21 13 13 00-0141	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	130.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 500, Deduct	*-18.08*	
		For >500 To 1,000, Deduct	*-35.17*	
		For >1,000, Deduct	*-48.80*	
21 13 13 00-0142	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	136.04	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.59*	
		For >100 To 500, Deduct	*-18.90*	
		For >500 To 1,000, Deduct	*-37.37*	
		For >1,000, Deduct	*-52.52*	
21 13 13 00-0143	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	143.71	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.97*	
		For >100 To 500, Deduct	*-19.86*	
		For >500 To 1,000, Deduct	*-38.75*	
		For >1,000, Deduct	*-53.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0144	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	136.90	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.25*	
		For >100 To 500, Deduct	*-18.82*	
		For >500 To 1,000, Deduct	*-36.23*	
		For >1,000, Deduct	*-49.87*	
21 13 13 00-0145	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	141.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.51*	
		For >100 To 500, Deduct	*-19.45*	
		For >500 To 1,000, Deduct	*-37.15*	
		For >1,000, Deduct	*-50.78*	
21 13 13 00-0146	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	136.90	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.25*	
		For >100 To 500, Deduct	*-18.82*	
		For >500 To 1,000, Deduct	*-36.23*	
		For >1,000, Deduct	*-49.87*	
21 13 13 00-0147	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	141.98	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-10.51*	
		For >100 To 500, Deduct	*-19.45*	
		For >500 To 1,000, Deduct	*-37.15*	
		For >1,000, Deduct	*-50.78*	
21 13 13 00-0148	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.88	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 500, Deduct	*-15.44*	
		For >500 To 1,000, Deduct	*-31.37*	
		For >1,000, Deduct	*-45.01*	
21 13 13 00-0149	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	112.48	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.03*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-31.84*	
		For >1,000, Deduct	*-45.47*	
21 13 13 00-0150	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	115.71	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 500, Deduct	*-16.17*	
		For >500 To 1,000, Deduct	*-32.42*	
		For >1,000, Deduct	*-46.05*	
21 13 13 00-0151	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	120.51	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.81*	
		For >100 To 500, Deduct	*-16.96*	
		For >500 To 1,000, Deduct	*-34.57*	
		For >1,000, Deduct	*-49.72*	
21 13 13 00-0152	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	123.29	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.95*	
		For >100 To 500, Deduct	*-17.31*	
		For >500 To 1,000, Deduct	*-35.07*	
		For >1,000, Deduct	*-50.22*	
21 13 13 00-0153	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	126.30	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.10*	
		For >100 To 500, Deduct	*-17.68*	
		For >500 To 1,000, Deduct	*-35.61*	
		For >1,000, Deduct	*-50.77*	
21 13 13 00-0154	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	122.71	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 500, Deduct	*-17.23*	
		For >500 To 1,000, Deduct	*-34.97*	
		For >1,000, Deduct	*-50.12*	
21 13 13 00-0155	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	125.60	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.07*	
		For >100 To 500, Deduct	*-17.59*	
		For >500 To 1,000, Deduct	*-35.49*	
		For >1,000, Deduct	*-50.64*	
21 13 13 00-0156	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	128.73	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 500, Deduct	*-17.99*	
		For >500 To 1,000, Deduct	*-36.05*	
		For >1,000, Deduct	*-51.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0157	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	128.78	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.23*	
		For >100 To 500, Deduct	*-17.99*	
		For >500 To 1,000, Deduct	*-36.06*	
		For >1,000, Deduct	*-51.21*	
21 13 13 00-0158	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	133.05	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.44*	
		For >100 To 500, Deduct	*-18.53*	
		For >500 To 1,000, Deduct	*-36.83*	
		For >1,000, Deduct	*-51.98*	
21 13 13 00-0159	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	133.05	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-10.44*	
		For >100 To 500, Deduct	*-18.53*	
		For >500 To 1,000, Deduct	*-36.83*	
		For >1,000, Deduct	*-51.98*	
21 13 13 00-0160	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	213.65	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-14.09*	
		For >100 To 500, Deduct	*-28.41*	
		For >500 To 1,000, Deduct	*-50.05*	
		For >1,000, Deduct	*-63.68*	
21 13 13 00-0161	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	213.65	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-14.09*	
		For >100 To 500, Deduct	*-28.41*	
		For >500 To 1,000, Deduct	*-50.05*	
		For >1,000, Deduct	*-63.68*	
21 13 13 00-0162	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	110.97	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.96*	
		For >100 To 500, Deduct	*-15.58*	
		For >500 To 1,000, Deduct	*-31.57*	
		For >1,000, Deduct	*-45.20*	
21 13 13 00-0163	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	110.97	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.96*	
		For >100 To 500, Deduct	*-15.58*	
		For >500 To 1,000, Deduct	*-31.57*	
		For >1,000, Deduct	*-45.20*	
21 13 13 00-0164	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	110.97	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.96*	
		For >100 To 500, Deduct	*-15.58*	
		For >500 To 1,000, Deduct	*-31.57*	
		For >1,000, Deduct	*-45.20*	
21 13 13 00-0165		**Vertical Sidewall Wet-Pipe Sprinkler Heads** *(21 13 13 00-0132)*		
21 13 13 00-0166	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	116.64	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.24*	
		For >100 To 500, Deduct	*-16.28*	
		For >500 To 1,000, Deduct	*-32.59*	
		For >1,000, Deduct	*-46.22*	
21 13 13 00-0167	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	120.55	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 500, Deduct	*-16.77*	
		For >500 To 1,000, Deduct	*-33.29*	
		For >1,000, Deduct	*-46.93*	
21 13 13 00-0168	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	122.24	17.04
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-9.52*	
		For >100 To 500, Deduct	*-16.98*	
		For >500 To 1,000, Deduct	*-33.59*	
		For >1,000, Deduct	*-47.23*	
21 13 13 00-0169		**Concealed Wet Pipe Sprinkler Heads** *(21 13 13 00-0024)*		
21 13 13 00-0170		**Concealed Pendant Wet-Pipe Sprinkler Heads** *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes cover plate	167.96	22.73
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-12.94*	
		For >100 To 500, Deduct	*-23.27*	
		For >500 To 1,000, Deduct	*-45.69*	
		For >1,000, Deduct	*-63.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0172	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	121.96	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-10.64*	
		For >100 To 500, Deduct	*-17.52*	
		For >500 To 1,000, Deduct	*-37.41*	
		For >1,000, Deduct	*-55.59*	
21 13 13 00-0173	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	123.64	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-10.73*	
		For >100 To 500, Deduct	*-17.73*	
		For >500 To 1,000, Deduct	*-37.71*	
		For >1,000, Deduct	*-55.89*	
21 13 13 00-0174	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	154.04	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.63*	
		For >100 To 500, Deduct	*-21.72*	
		For >500 To 1,000, Deduct	*-44.47*	
		For >1,000, Deduct	*-64.17*	
21 13 13 00-0175	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	146.45	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 500, Deduct	*-20.58*	
		For >500 To 1,000, Deduct	*-41.81*	
		For >1,000, Deduct	*-59.99*	
21 13 13 00-0176	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	146.45	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 500, Deduct	*-20.58*	
		For >500 To 1,000, Deduct	*-41.81*	
		For >1,000, Deduct	*-59.99*	
21 13 13 00-0177	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	154.04	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.63*	
		For >100 To 500, Deduct	*-21.72*	
		For >500 To 1,000, Deduct	*-44.47*	
		For >1,000, Deduct	*-64.17*	
21 13 13 00-0178	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	135.69	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.33*	
		For >100 To 500, Deduct	*-19.23*	
		For >500 To 1,000, Deduct	*-39.88*	
		For >1,000, Deduct	*-58.06*	
21 13 13 00-0179	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	146.45	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 500, Deduct	*-20.58*	
		For >500 To 1,000, Deduct	*-41.81*	
		For >1,000, Deduct	*-59.99*	
21 13 13 00-0180	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	146.45	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 500, Deduct	*-20.58*	
		For >500 To 1,000, Deduct	*-41.81*	
		For >1,000, Deduct	*-59.99*	
21 13 13 00-0181	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	138.23	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.46*	
		For >100 To 500, Deduct	*-19.55*	
		For >500 To 1,000, Deduct	*-40.33*	
		For >1,000, Deduct	*-58.51*	
21 13 13 00-0182	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	225.74	26.51
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-5.30*	
		For >50 To 100, Deduct	*-16.59*	
		For >100 To 500, Deduct	*-30.87*	
		For >500 To 1,000, Deduct	*-58.66*	
		For >1,000, Deduct	*-79.88*	
21 13 13 00-0183	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	130.32	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 500, Deduct	*-18.56*	
		For >500 To 1,000, Deduct	*-38.91*	
		For >1,000, Deduct	*-57.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0184	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	137.22	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-11.79*	
		For >100 To 500, Deduct	*-19.61*	
		For >500 To 1,000, Deduct	*-41.44*	
		For >1,000, Deduct	*-61.14*	
21 13 13 00-0185	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	131.83	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.14*	
		For >100 To 500, Deduct	*-18.75*	
		For >500 To 1,000, Deduct	*-39.18*	
		For >1,000, Deduct	*-57.36*	
21 13 13 00-0186	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	139.42	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-11.90*	
		For >100 To 500, Deduct	*-19.89*	
		For >500 To 1,000, Deduct	*-41.84*	
		For >1,000, Deduct	*-61.54*	
21 13 13 00-0187	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	154.74	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.66*	
		For >100 To 500, Deduct	*-21.80*	
		For >500 To 1,000, Deduct	*-44.60*	
		For >1,000, Deduct	*-64.29*	
21 13 13 00-0188	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	260.64	26.51
		For >25 To 50, Deduct	*-5.30*	
		For >50 To 100, Deduct	*-18.34*	
		For >100 To 500, Deduct	*-35.23*	
		For >500 To 1,000, Deduct	*-64.95*	
		For >1,000, Deduct	*-86.16*	
21 13 13 00-0189	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	260.64	26.51
		For >25 To 50, Deduct	*-5.30*	
		For >50 To 100, Deduct	*-18.34*	
		For >100 To 500, Deduct	*-35.23*	
		For >500 To 1,000, Deduct	*-64.95*	
		For >1,000, Deduct	*-86.16*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	180.76	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 500, Deduct	*-24.87*	
		For >500 To 1,000, Deduct	*-47.99*	
		For >1,000, Deduct	*-66.17*	
21 13 13 00-0192	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	203.32	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-15.09*	
		For >100 To 500, Deduct	*-27.88*	
		For >500 To 1,000, Deduct	*-53.34*	
		For >1,000, Deduct	*-73.04*	
21 13 13 00-0193	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	143.35	22.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.71*	
		For >100 To 500, Deduct	*-20.19*	
		For >500 To 1,000, Deduct	*-41.26*	
		For >1,000, Deduct	*-59.44*	
21 13 13 00-0194	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	145.24	24.62
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.19*	
		For >100 To 500, Deduct	*-20.62*	
		For >500 To 1,000, Deduct	*-42.89*	
		For >1,000, Deduct	*-62.58*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	423.78	18.94
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-24.98*	
		For >100 To 500, Deduct	*-54.87*	
		For >500 To 1,000, Deduct	*-89.16*	
		For >1,000, Deduct	*-104.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0197	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	413.72	18.94
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-24.47*	
		For >100 To 500, Deduct	*-53.61*	
		For >500 To 1,000, Deduct	*-87.35*	
		For >1,000, Deduct	*-102.50*	
21 13 13 00-0198	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	182.17	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-12.90*	
		For >100 To 500, Deduct	*-24.67*	
		For >500 To 1,000, Deduct	*-45.67*	
		For >1,000, Deduct	*-60.82*	
21 13 13 00-0199	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	203.03	18.94
		For >25 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-13.94*	
		For >100 To 500, Deduct	*-27.27*	
		For >500 To 1,000, Deduct	*-49.42*	
		For >1,000, Deduct	*-64.58*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	71.96	19.09
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 500, Deduct	*-9.79*	
		For >500 To 1,000, Deduct	*-18.36*	
		For >1,000, Deduct	*-24.72*	
21 13 13 00-0203	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	71.96	19.09
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 500, Deduct	*-9.79*	
		For >500 To 1,000, Deduct	*-18.36*	
		For >1,000, Deduct	*-24.72*	
21 13 13 00-0204	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	72.78	19.09
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.23*	
		For >100 To 500, Deduct	*-9.89*	
		For >500 To 1,000, Deduct	*-18.51*	
		For >1,000, Deduct	*-24.87*	
21 13 13 00-0205	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	64.33	19.09
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.84*	
		For >500 To 1,000, Deduct	*-16.99*	
		For >1,000, Deduct	*-23.35*	
21 13 13 00-0206	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	64.33	19.09
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.84*	
		For >500 To 1,000, Deduct	*-16.99*	
		For >1,000, Deduct	*-23.35*	
21 13 13 00-0207	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	64.33	19.09
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.84*	
		For >500 To 1,000, Deduct	*-16.99*	
		For >1,000, Deduct	*-23.35*	
21 13 13 00-0208	EA	1" Diameter Female NPT x 3/4" Diameter Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	71.84	20.75
		For >25 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-5.32*	
		For >100 To 500, Deduct	*-9.84*	
		For >500 To 1,000, Deduct	*-18.81*	
		For >1,000, Deduct	*-25.73*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	27.82	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 500, Deduct	*-3.76*	
		For >500 To 1,000, Deduct	*-6.94*	
		For >1,000, Deduct	*-9.21*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	27.82	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 500, Deduct	*-3.76*	
		For >500 To 1,000, Deduct	*-6.94*	
		For >1,000, Deduct	*-9.21*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	26.32	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-6.67*	
		For >1,000, Deduct	*-8.94*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	26.32	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-6.67*	
		For >1,000, Deduct	*-8.94*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	19.51	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-7.72*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	27.07	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-3.67*	
		For >500 To 1,000, Deduct	*-6.80*	
		For >1,000, Deduct	*-9.08*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	27.07	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-3.67*	
		For >500 To 1,000, Deduct	*-6.80*	
		For >1,000, Deduct	*-9.08*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	10.90	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-4.76*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	9.85	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 500, Deduct	*-1.42*	
		For >500 To 1,000, Deduct	*-3.06*	
		For >1,000, Deduct	*-4.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	10.14	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-4.63*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	11.09	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000, Deduct	*-4.80*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	10.04	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.61*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	10.04	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.61*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	12.17	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000, Deduct	*-4.99*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	10.01	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.60*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	10.01	5.00
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.60*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	16.41	7.00
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-6.88*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	15.84	7.00
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000, Deduct	*-6.78*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	16.03	7.00
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-6.81*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	16.60	7.00
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-4.79*	
		For >1,000, Deduct	*-6.91*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	16.03	7.00
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-6.81*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	16.41	7.00
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-6.88*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.91	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-10.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.91	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-10.31*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.91	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-10.31*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.91	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-10.31*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	33.91	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-10.31*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	33.91	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-10.31*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	39.07	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 500, Deduct	*-5.17*	
		For >500 To 1,000, Deduct	*-8.96*	
		For >1,000, Deduct	*-11.24*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	40.27	6.82
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 500, Deduct	*-5.32*	
		For >500 To 1,000, Deduct	*-9.18*	
		For >1,000, Deduct	*-11.45*	
21 13 13 00-0247		Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*		
21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	79.93	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 500, Deduct	*-10.31*	
		For >500 To 1,000, Deduct	*-16.58*	
		For >1,000, Deduct	*-19.15*	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	39.01	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 500, Deduct	*-5.20*	
		For >500 To 1,000, Deduct	*-9.21*	
		For >1,000, Deduct	*-11.79*	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	56.75	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 500, Deduct	*-7.42*	
		For >500 To 1,000, Deduct	*-12.40*	
		For >1,000, Deduct	*-14.98*	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	52.15	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 500, Deduct	*-6.84*	
		For >500 To 1,000, Deduct	*-11.58*	
		For >1,000, Deduct	*-14.15*	
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	41.71	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 500, Deduct	*-5.54*	
		For >500 To 1,000, Deduct	*-9.70*	
		For >1,000, Deduct	*-12.27*	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	41.71	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 500, Deduct	*-5.54*	
		For >500 To 1,000, Deduct	*-9.70*	
		For >1,000, Deduct	*-12.27*	
21 13 13 00-0254	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	52.15	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 500, Deduct	*-6.84*	
		For >500 To 1,000, Deduct	*-11.58*	
		For >1,000, Deduct	*-14.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	52.15	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 500, Deduct	*-6.84*	
		For >500 To 1,000, Deduct	*-11.58*	
		For >1,000, Deduct	*-14.15*	
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	60.42	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 500, Deduct	*-7.87*	
		For >500 To 1,000, Deduct	*-13.07*	
		For >1,000, Deduct	*-15.64*	
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	60.42	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 500, Deduct	*-7.87*	
		For >500 To 1,000, Deduct	*-13.07*	
		For >1,000, Deduct	*-15.64*	
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	60.42	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 500, Deduct	*-7.87*	
		For >500 To 1,000, Deduct	*-13.07*	
		For >1,000, Deduct	*-15.64*	
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	52.20	7.72
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 500, Deduct	*-6.85*	
		For >500 To 1,000, Deduct	*-11.59*	
		For >1,000, Deduct	*-14.16*	
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	88.91	9.10
		For >25 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-5.20*	
		For >100 To 500, Deduct	*-11.49*	
		For >500 To 1,000, Deduct	*-18.58*	
		For >1,000, Deduct	*-21.61*	
21 13 13 00-0261	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFII)	33.84	7.57
21 13 13 00-0262		**Sprinkler Escutcheon Extension Tube** *(21 13 13 00-0200)*		
21 13 13 00-0263	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	20.54	4.55
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 500, Deduct	*-2.76*	
		For >500 To 1,000, Deduct	*-4.98*	
		For >1,000, Deduct	*-6.50*	
21 13 13 00-0264	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	26.69	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 500, Deduct	*-3.54*	
		For >500 To 1,000, Deduct	*-6.16*	
		For >1,000, Deduct	*-7.75*	
21 13 13 00-0265	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	33.54	5.00
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 500, Deduct	*-4.40*	
		For >500 To 1,000, Deduct	*-7.45*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0266	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	39.69	5.22
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 500, Deduct	*-5.18*	
		For >500 To 1,000, Deduct	*-8.62*	
		For >1,000, Deduct	*-10.37*	
21 13 13 00-0267		**Sprinkler Head Guards** *(21 13 13 00-0200)*		
21 13 13 00-0268	EA	Universal Sprinkler Head Guard, C-1	30.98	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 500, Deduct	*-4.44*	
		For >500 To 1,000, Deduct	*-9.44*	
		For >1,000, Deduct	*-13.99*	
21 13 13 00-0269	EA	Dry Pendent Sprinkler Head Guard, C-2	34.18	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-10.02*	
		For >1,000, Deduct	*-14.56*	
21 13 13 00-0270	EA	Upright Sprinkler Head Guard With Water Shield, C-3	39.63	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 500, Deduct	*-5.52*	
		For >500 To 1,000, Deduct	*-11.00*	
		For >1,000, Deduct	*-15.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0271	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	46.35	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 500, Deduct	*-6.36*	
		For >500 To 1,000, Deduct	*-12.21*	
		For >1,000, Deduct	*-16.75*	
21 13 13 00-0272	EA	Universal Sprinkler Head Guard, D-1	34.05	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 500, Deduct	*-4.82*	
		For >500 To 1,000, Deduct	*-9.99*	
		For >1,000, Deduct	*-14.54*	
21 13 13 00-0273	EA	Upright Sprinkler Head Guard With Water Shield, D-3	36.13	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.94*	
		For >100 To 500, Deduct	*-5.08*	
		For >500 To 1,000, Deduct	*-10.37*	
		For >1,000, Deduct	*-14.91*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	51.54	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.71*	
		For >100 To 500, Deduct	*-7.01*	
		For >500 To 1,000, Deduct	*-13.14*	
		For >1,000, Deduct	*-17.69*	
21 13 13 00-0275	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	48.45	13.63
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.56*	
		For >100 To 500, Deduct	*-6.62*	
		For >500 To 1,000, Deduct	*-12.59*	
		For >1,000, Deduct	*-17.13*	
21 13 13 00-0276		Flexible Sprinkler Piping *(21 13 13 00-0011)*		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0277	EA	2' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	90.18	23.49
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 500, Deduct	*-12.46*	
		For >500 To 1,000, Deduct	*-24.28*	
		For >1,000, Deduct	*-33.75*	
21 13 13 00-0278	EA	3' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	99.21	24.24
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-2.49*	
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 500, Deduct	*-13.65*	
		For >500 To 1,000, Deduct	*-26.33*	
		For >1,000, Deduct	*-36.30*	
21 13 13 00-0279	EA	4' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	108.47	25.75
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-2.63*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.87*	
		For >500 To 1,000, Deduct	*-28.47*	
		For >1,000, Deduct	*-38.99*	
21 13 13 00-0280	EA	5' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	118.09	27.28
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-2.79*	
		For >50 To 100, Deduct	*-8.69*	
		For >100 To 500, Deduct	*-16.15*	
		For >500 To 1,000, Deduct	*-30.73*	
		For >1,000, Deduct	*-41.87*	
21 13 13 00-0281	EA	6' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	128.08	30.30
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-2.96*	
		For >50 To 100, Deduct	*-9.36*	
		For >100 To 500, Deduct	*-17.49*	
		For >500 To 1,000, Deduct	*-33.12*	
		For >1,000, Deduct	*-44.95*	
21 13 13 00-0282		Sprinkler Emergency Cabinets *(21 13 13 00-0011)*		
21 13 13 00-0283	EA	3 Capacity Emergency Sprinkler Cabinet, A4	154.28	
21 13 13 00-0284	EA	6 Capacity Emergency Sprinkler Cabinet, A4	161.85	
21 13 13 00-0285	EA	12 Capacity Emergency Sprinkler Cabinet, A4	171.81	
21 13 13 00-0286	EA	12 Capacity Emergency Sprinkler Cabinet, A3	538.38	
21 13 13 00-0287	EA	Sprinkler Wrench, RC1	259.72	
21 13 13 00-0288	EA	Sprinkler Wrench, FC	258.71	
21 13 13 00-0289	EA	Sprinkler Wrench, W2	85.90	

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1395 for individual grooved pipe, 23 21 13 23-1468 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	895.10
		For Up To 5, Add	*411.22*
		For >5 To 10, Add	*222.46*
		For >10 To 20, Add	*169.28*
		For >20 To 40, Add	*71.35*
		For >100 To 150, Deduct	*-89.51*
		For >150, Deduct	*-179.02*
		For Copper Pipe, Add	*107.67*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-152.43*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Galvanized Pipe, Add	*36.33*
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,111.88
		For Up To 5, Add	*516.89*
		For >5 To 10, Add	*291.54*
		For >10 To 20, Add	*219.40*
		For >20 To 40, Add	*91.66*
		For >100 To 150, Deduct	*-111.19*
		For >150, Deduct	*-222.38*
		For Copper Pipe, Add	*130.71*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-186.31*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Galvanized Pipe, Add	*39.05*
		For Work In Restricted Working Space, Add	*216.42*

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	871.18
		For Up To 5, Add	*400.99*
		For >5 To 10, Add	*218.41*
		For >10 To 20, Add	*165.90*
		For >20 To 40, Add	*69.82*
		For >100 To 150, Deduct	*-87.12*
		For >150, Deduct	*-174.24*
		For Copper Pipe, Add	*104.42*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-147.98*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Galvanized Pipe, Add	*34.60*
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,084.61
		For Up To 5, Add	*505.11*
		For >5 To 10, Add	*286.63*
		For >10 To 20, Add	*215.36*
		For >20 To 40, Add	*89.86*
		For >100 To 150, Deduct	*-108.46*
		For >150, Deduct	*-216.92*
		For Copper Pipe, Add	*127.06*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-181.29*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Galvanized Pipe, Add	*37.19*
		For Work In Restricted Working Space, Add	*213.80*

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	817.22
		For Up To 5, Add	*375.83*
		For >5 To 10, Add	*204.07*
		For >10 To 20, Add	*155.13*
		For >20 To 40, Add	*65.33*
		For >100 To 150, Deduct	*-81.72*
		For >150, Deduct	*-163.44*
		For Copper Pipe, Add	*98.11*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-138.98*
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*
		For Galvanized Pipe, Add	*32.78*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,009.69	
		For Up To 5, Add	*470.26*	
		For >5 To 10, Add	*266.92*	
		For >10 To 20, Add	*200.54*	
		For >20 To 40, Add	*83.68*	
		For >100 To 150, Deduct	*-100.97*	
		For >150, Deduct	*-201.94*	
		For Copper Pipe, Add	*118.26*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-168.75*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*34.59*	
		For Work In Restricted Working Space, Add	*199.14*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Compressors** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,580.83	429.47
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,743.34	429.47
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,880.46	429.47
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,413.68	429.47
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)* Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Diameter, Dry Pipe Valve	4,424.72	285.29
21 13 16 00-0019	EA	3" Diameter, Dry Pipe Valve	4,927.92	326.79
21 13 16 00-0020	EA	4" Diameter, Dry Pipe Valve	5,528.35	555.02
21 13 16 00-0021	EA	6" Diameter, Dry Pipe Valve	7,010.12	700.26
21 13 16 00-0022	EA	8" Diameter, Dry Pipe Valve	10,704.55	705.45
21 13 16 00-0023		**Dry Pipe Valve Trim** *(21 13 16 00-0016)* Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Diameter, Dry Pipe Valve Trim	1,763.56	402.52
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0025	EA	3" Diameter, Dry Pipe Valve Trim	1,825.80	442.63
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0026	EA	4" Diameter, Dry Pipe Valve Trim	2,092.33	551.90
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0027	EA	6" Diameter, Dry Pipe Valve Trim	2,272.15	663.95
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0028	EA	8" Diameter, Dry Pipe Valve Trim	2,563.95	746.94
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0029		**Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)*		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,488.09	209.56
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,795.25	223.08
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,281.41	237.95
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,490.67	274.46
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,077.63	324.48
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,865.33	343.40
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,663.09	356.92
21 13 16 00-0037		**Dry Pipe Fire Protection Nitrogen Generator** *(21 13 16 00-0016)*		
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	10,383.37	324.48
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,515.43	343.40
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	16,344.06	446.16
21 13 16 00-0041		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	309.31	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-20.01*	
		For >100 To 500, Deduct	*-40.94*	
		For >500 To 1,000, Deduct	*-71.13*	
		For >1,000, Deduct	*-89.31*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	321.89	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 500, Deduct	*-42.51*	
		For >500 To 1,000, Deduct	*-73.39*	
		For >1,000, Deduct	*-91.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	334.48	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-21.27*	
		For >100 To 500, Deduct	*-44.08*	
		For >500 To 1,000, Deduct	*-75.66*	
		For >1,000, Deduct	*-93.84*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	347.10	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-21.90*	
		For >100 To 500, Deduct	*-45.66*	
		For >500 To 1,000, Deduct	*-77.93*	
		For >1,000, Deduct	*-96.11*	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	359.69	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-22.53*	
		For >100 To 500, Deduct	*-47.23*	
		For >500 To 1,000, Deduct	*-80.20*	
		For >1,000, Deduct	*-98.38*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	372.28	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-23.16*	
		For >100 To 500, Deduct	*-48.81*	
		For >500 To 1,000, Deduct	*-82.46*	
		For >1,000, Deduct	*-100.64*	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	384.86	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-23.79*	
		For >100 To 500, Deduct	*-50.38*	
		For >500 To 1,000, Deduct	*-84.73*	
		For >1,000, Deduct	*-102.91*	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	397.48	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-24.42*	
		For >100 To 500, Deduct	*-51.96*	
		For >500 To 1,000, Deduct	*-87.00*	
		For >1,000, Deduct	*-105.18*	
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	410.05	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-25.05*	
		For >100 To 500, Deduct	*-53.53*	
		For >500 To 1,000, Deduct	*-89.26*	
		For >1,000, Deduct	*-107.44*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	422.65	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-25.68*	
		For >100 To 500, Deduct	*-55.10*	
		For >500 To 1,000, Deduct	*-91.53*	
		For >1,000, Deduct	*-109.71*	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	435.25	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-26.31*	
		For >100 To 500, Deduct	*-56.68*	
		For >500 To 1,000, Deduct	*-93.80*	
		For >1,000, Deduct	*-111.98*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	447.84	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-26.94*	
		For >100 To 500, Deduct	*-58.25*	
		For >500 To 1,000, Deduct	*-96.06*	
		For >1,000, Deduct	*-114.24*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	460.46	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-27.57*	
		For >100 To 500, Deduct	*-59.83*	
		For >500 To 1,000, Deduct	*-98.34*	
		For >1,000, Deduct	*-116.52*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	473.02	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-28.20*	
		For >100 To 500, Deduct	*-61.40*	
		For >500 To 1,000, Deduct	*-100.60*	
		For >1,000, Deduct	*-118.78*	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	485.63	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-28.83*	
		For >100 To 500, Deduct	*-62.98*	
		For >500 To 1,000, Deduct	*-102.87*	
		For >1,000, Deduct	*-121.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0057		Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*		
21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	306.28	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-19.86*	
		For >100 To 500, Deduct	*-40.56*	
		For >500 To 1,000, Deduct	*-70.58*	
		For >1,000, Deduct	*-88.76*	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	318.89	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-20.49*	
		For >100 To 500, Deduct	*-42.13*	
		For >500 To 1,000, Deduct	*-72.85*	
		For >1,000, Deduct	*-91.03*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	331.51	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-21.12*	
		For >100 To 500, Deduct	*-43.71*	
		For >500 To 1,000, Deduct	*-75.12*	
		For >1,000, Deduct	*-93.30*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	344.06	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-21.75*	
		For >100 To 500, Deduct	*-45.28*	
		For >500 To 1,000, Deduct	*-77.38*	
		For >1,000, Deduct	*-95.56*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	356.67	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-22.38*	
		For >100 To 500, Deduct	*-46.86*	
		For >500 To 1,000, Deduct	*-79.65*	
		For >1,000, Deduct	*-97.83*	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	369.24	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-23.01*	
		For >100 To 500, Deduct	*-48.43*	
		For >500 To 1,000, Deduct	*-81.92*	
		For >1,000, Deduct	*-100.10*	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	381.87	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-23.64*	
		For >100 To 500, Deduct	*-50.01*	
		For >500 To 1,000, Deduct	*-84.19*	
		For >1,000, Deduct	*-102.37*	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	394.46	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-24.27*	
		For >100 To 500, Deduct	*-51.58*	
		For >500 To 1,000, Deduct	*-86.46*	
		For >1,000, Deduct	*-104.64*	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	407.02	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-24.90*	
		For >100 To 500, Deduct	*-53.15*	
		For >500 To 1,000, Deduct	*-88.72*	
		For >1,000, Deduct	*-106.90*	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	419.61	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-25.53*	
		For >100 To 500, Deduct	*-54.72*	
		For >500 To 1,000, Deduct	*-90.98*	
		For >1,000, Deduct	*-109.16*	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	432.22	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-26.16*	
		For >100 To 500, Deduct	*-56.30*	
		For >500 To 1,000, Deduct	*-93.25*	
		For >1,000, Deduct	*-111.43*	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	444.81	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-26.79*	
		For >100 To 500, Deduct	*-57.87*	
		For >500 To 1,000, Deduct	*-95.52*	
		For >1,000, Deduct	*-113.70*	
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	482.61	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-28.68*	
		For >100 To 500, Deduct	*-62.60*	
		For >500 To 1,000, Deduct	*-102.32*	
		For >1,000, Deduct	*-120.50*	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	495.21	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-29.31*	
		For >100 To 500, Deduct	*-64.17*	
		For >500 To 1,000, Deduct	*-104.59*	
		For >1,000, Deduct	*-122.77*	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	500.23	30.00
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-29.56*	
		For >100 To 500, Deduct	*-64.80*	
		For >500 To 1,000, Deduct	*-105.49*	
		For >1,000, Deduct	*-123.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19		**Preaction Sprinkler Systems** *(21 13)*		
21 13 19 00-0001		Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*		
		Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1395 for individual grooved pipe, 23 21 13 23-1468 for individual grooved pipe fittings.		
21 13 19 00-0002		Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly	822.93	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*381.69*	
		For >5 To 10, Add	*243.36*	
		For >10 To 20, Add	*161.07*	
		For >20 To 40, Add	*67.41*	
		For >100 To 150, Deduct	*-82.29*	
		For >150, Deduct	*-164.59*	
21 13 19 00-0004		Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly	766.21	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*355.42*	
		For >5 To 10, Add	*226.65*	
		For >10 To 20, Add	*150.03*	
		For >20 To 40, Add	*62.78*	
		For >100 To 150, Deduct	*-76.62*	
		For >150, Deduct	*-153.24*	
21 13 26		**Deluge Fire-Suppression Sprinkler Systems** *(21 13)*		
21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*		
21 13 26 00-0002		Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*		
21 13 26 00-0003	EA	3" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	8,459.92	841.80
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*677.65*	
21 13 26 00-0004	EA	4" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,410.17	946.95
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*851.63*	
21 13 26 00-0005	EA	6" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	12,495.56	1,377.40
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*974.08*	
21 13 26 00-0006	EA	8" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	20,797.42	1,655.27
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*1,748.69*	
21 13 39		**Foam-Water Systems** *(21 13)*		
21 13 39 00-0001		Foam Control Valves And Monitors *(21 13 39)*		
21 13 39 00-0002		Control Valves *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Diameter, Foam Control Valve	5,974.95	841.80
21 13 39 00-0004		Supply Valves *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Diameter, Foam Supply Valve	5,231.73	946.95
21 13 39 00-0006		Proportioners *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	4,437.87	1,377.40
21 13 39 00-0008		Monitors *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	6,770.52	189.39
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0797 for flanged black steel pipe fittings, 23 21 13 23-1395 for grooved pipe, 23 21 13 23-1468 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*		
		Note: SDR 13.5		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0002		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.59	2.42
		For Work In Restricted Working Space, Add	*1.82*	
21 13 41 00-0004	LF	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.86	2.57
		For Work In Restricted Working Space, Add	*1.95*	
21 13 41 00-0005	LF	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.81	2.87
		For Work In Restricted Working Space, Add	*2.14*	
21 13 41 00-0006	LF	1-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	12.99	3.19
		For Work In Restricted Working Space, Add	*2.36*	
21 13 41 00-0007	LF	2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	16.27	3.49
		For Work In Restricted Working Space, Add	*2.63*	
21 13 41 00-0008	LF	2-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	21.67	3.94
		For Work In Restricted Working Space, Add	*3.00*	
21 13 41 00-0009	LF	3" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	29.60	4.70
		For Work In Restricted Working Space, Add	*3.55*	
21 13 41 00-0010		**Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	38.35	14.54
		For Work In Restricted Working Space, Add	*10.91*	
21 13 41 00-0012	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	49.94	18.18
		For Work In Restricted Working Space, Add	*13.68*	
21 13 41 00-0013	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	62.44	22.73
		For Work In Restricted Working Space, Add	*17.09*	
21 13 41 00-0014	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	70.77	25.15
		For Work In Restricted Working Space, Add	*18.91*	
21 13 41 00-0015	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	79.95	28.18
		For Work In Restricted Working Space, Add	*21.09*	
21 13 41 00-0016	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	98.54	31.97
		For Work In Restricted Working Space, Add	*24.00*	
21 13 41 00-0017	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	119.77	37.87
		For Work In Restricted Working Space, Add	*28.36*	
21 13 41 00-0018		**Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	39.05	14.54
		For Work In Restricted Working Space, Add	*10.91*	
21 13 41 00-0020	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	48.81	18.18
		For Work In Restricted Working Space, Add	*13.68*	
21 13 41 00-0021	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	61.60	22.73
		For Work In Restricted Working Space, Add	*17.09*	
21 13 41 00-0022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	69.42	25.15
		For Work In Restricted Working Space, Add	*18.91*	
21 13 41 00-0023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	78.26	28.18
		For Work In Restricted Working Space, Add	*21.09*	
21 13 41 00-0024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	94.27	31.97
		For Work In Restricted Working Space, Add	*24.00*	
21 13 41 00-0025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	115.08	37.87
		For Work In Restricted Working Space, Add	*28.36*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	57.23	21.82
		For Work In Restricted Working Space, Add	*16.36*	
21 13 41 00-0028	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	73.82	27.43
		For Work In Restricted Working Space, Add	*20.55*	
21 13 41 00-0029	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	93.47	34.24
		For Work In Restricted Working Space, Add	*25.64*	
21 13 41 00-0030	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	106.34	37.87
		For Work In Restricted Working Space, Add	*28.36*	
21 13 41 00-0031	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	122.94	42.12
		For Work In Restricted Working Space, Add	*31.64*	
21 13 41 00-0032	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	148.41	48.03
		For Work In Restricted Working Space, Add	*36.00*	
21 13 41 00-0033	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	175.35	56.67
		For Work In Restricted Working Space, Add	*42.55*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	68.33	25.60
		For Work In Restricted Working Space, Add	*19.14*	
21 13 41 00-0036	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	88.01	31.97
		For Work In Restricted Working Space, Add	*23.91*	
21 13 41 00-0037	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	98.26	35.30
		For Work In Restricted Working Space, Add	*26.45*	
21 13 41 00-0038	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	114.55	39.40
		For Work In Restricted Working Space, Add	*29.55*	
21 13 41 00-0039	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	134.06	44.85
		For Work In Restricted Working Space, Add	*33.59*	
21 13 41 00-0040	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	157.93	52.88
		For Work In Restricted Working Space, Add	*39.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	76.98	29.09
		For Work In Restricted Working Space, Add	*21.82*	
21 13 41 00-0043	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	96.54	36.51
		For Work In Restricted Working Space, Add	*27.36*	
21 13 41 00-0044	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	121.32	45.61
		For Work In Restricted Working Space, Add	*34.18*	
21 13 41 00-0045	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	136.14	50.45
		For Work In Restricted Working Space, Add	*37.82*	
21 13 41 00-0046	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	157.22	56.21
		For Work In Restricted Working Space, Add	*42.18*	
21 13 41 00-0047	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	196.22	63.94
		For Work In Restricted Working Space, Add	*48.00*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	26.15	9.70
		For Work In Restricted Working Space, Add	*7.27*	
21 13 41 00-0050	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	35.05	13.03
		For Work In Restricted Working Space, Add	*9.77*	
21 13 41 00-0051	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	46.35	17.12
		For Work In Restricted Working Space, Add	*12.82*	
21 13 41 00-0052	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	52.45	18.94
		For Work In Restricted Working Space, Add	*14.18*	
21 13 41 00-0053	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	59.75	21.06
		For Work In Restricted Working Space, Add	*15.82*	
21 13 41 00-0054	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	70.74	23.94
		For Work In Restricted Working Space, Add	*18.00*	
21 13 41 00-0055	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	84.91	28.34
		For Work In Restricted Working Space, Add	*21.27*	
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	13.27	4.85
		For Work In Restricted Working Space, Add	*3.64*	
21 13 41 00-0058	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	21.17	7.88
		For Work In Restricted Working Space, Add	*5.86*	
21 13 41 00-0059	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	24.00	8.48
		For Work In Restricted Working Space, Add	*6.41*	
21 13 41 00-0060	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	27.27	9.40
		For Work In Restricted Working Space, Add	*7.09*	
21 13 41 00-0061	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	31.83	10.61
		For Work In Restricted Working Space, Add	*7.91*	
21 13 41 00-0062	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	37.89	11.97
		For Work In Restricted Working Space, Add	*9.00*	
21 13 41 00-0063	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	48.25	14.24
		For Work In Restricted Working Space, Add	*10.64*	
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	37.40	14.39
		For Work In Restricted Working Space, Add	*10.77*	
21 13 41 00-0066	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	49.39	18.79
		For Work In Restricted Working Space, Add	*14.09*	
21 13 41 00-0067	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	54.60	20.75
		For Work In Restricted Working Space, Add	*15.59*	
21 13 41 00-0068	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	61.87	23.18
		For Work In Restricted Working Space, Add	*17.41*	
21 13 41 00-0069	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	72.66	26.36
		For Work In Restricted Working Space, Add	*19.82*	
21 13 41 00-0070	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	87.98	31.21
		For Work In Restricted Working Space, Add	*23.41*	
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	31.63	10.61
		For Work In Restricted Working Space, Add	*8.00*	
21 13 41 00-0073	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	41.17	14.39
		For Work In Restricted Working Space, Add	*10.77*	
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	31.63	10.61
		For Work In Restricted Working Space, Add	*8.00*	
21 13 41 00-0076	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	41.17	14.39
		For Work In Restricted Working Space, Add	*10.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	37.36	13.03
		For Work In Restricted Working Space, Add	*9.82*	
21 13 41 00-0079	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	47.53	16.37
		For Work In Restricted Working Space, Add	*12.32*	
21 13 41 00-0080	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	48.95	16.37
		For Work In Restricted Working Space, Add	*12.32*	
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	61.56	21.82
		For Work In Restricted Working Space, Add	*16.36*	
21 13 41 00-0083	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	76.09	27.43
		For Work In Restricted Working Space, Add	*20.55*	
21 13 41 00-0084	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	98.10	34.24
		For Work In Restricted Working Space, Add	*25.64*	
21 13 41 00-0085	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	111.24	37.87
		For Work In Restricted Working Space, Add	*28.36*	
21 13 41 00-0086	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	128.91	42.12
		For Work In Restricted Working Space, Add	*31.64*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001		Carbon Dioxide Cylinders *(21 21 16)*		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	2,861.35	317.16
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	5,722.70	634.32
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	433.07	169.89
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	187.13	56.45
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	48.67	22.89

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001		Ansul Fire Control Systems *(21 22 16)*		
21 22 16 00-0002		Sapphire® Fire Suppression Systems *(21 22 16 00-0001)* Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003		Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,786.25	108.12
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	2,031.02	108.12
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	2,063.20	108.12
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	2,925.17	144.16
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	3,086.97	144.16
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,309.39	180.20
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,506.68	180.20
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	5,268.81	216.25
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	43.71	216.25
21 22 16 00-0013		Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	173.83	18.02
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	178.00	18.02
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	188.45	18.02
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	195.76	18.02
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	206.19	18.02
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	237.50	18.02
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	173.83	18.02
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	178.00	18.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	188.45	18.02
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	195.76	18.02
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	206.19	18.02
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	237.50	18.02
21 22 16 00-0026		**Actuation Attachments, Sapphire® Fire Suppression System** *(21 22 16 00-0002)*		
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	17.25	5.40
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	19.05	5.40
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	28.15	12.61
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	60.65	16.15
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	86.57	16.15
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	103.09	16.15
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	54.69	16.15
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	393.75	144.16
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	366.56	108.12
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	782.08	144.16
21 22 16 00-0037		**Nameplates, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	61.09	18.02
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	65.80	18.02
21 22 16 00-0040		**Cylinder Bracketing, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	187.46	54.06
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	196.85	54.06
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	208.86	54.06
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	460.56	57.38
21 22 16 00-0046	EA	2" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	652.10	98.46
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	154.55	36.04
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	538.72	36.04
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	456.24	36.04
21 22 16 00-0051	EA	3" Diameter, Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,987.76	144.16
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	57.55	25.22
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	96.58	25.22
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	255.26	18.02
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	332.22	18.02
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	213.58	72.09
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	197.30	30.28
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	620.78	126.14
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	674.69	25.22
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	706.03	25.22
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	760.00	36.04
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	59.95	21.63
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	74.36	25.22
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	258.21	108.12
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	294.02	108.12
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	323.77	108.12
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	419.81	108.12
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	72.69	28.83
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	107.54	18.02
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	149.87	36.04
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	415.68	144.16
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	598.35	144.16
21 22 16 00-0078	EA	1" Diameter, Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,879.19	144.16
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	208.43	34.79
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	241.31	37.38
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	431.83	67.66
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	875.13	154.09
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Diameter, Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	2,017.50	203.37
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Diameter, Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	62.04	10.66
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	725.46	114.27
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,259.01	357.53
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	2,161.75	364.24
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,894.57	327.22
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,149.07	370.73
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	3,056.48	480.42
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	3,077.77	587.06
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,233.99	413.37
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	3,142.04	523.21
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,276.97	630.85
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	71.39	11.89
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	71.39	11.89
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	85.67	13.22
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,360.35	227.06
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	22.79	3.48
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	32.33	4.96
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	25.13	3.89
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	23.34	3.89
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	101.38	16.76
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	106.42	17.54
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	123.53	20.27
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	137.84	22.89
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	158.10	26.32
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	155.39	25.93
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	161.15	26.70
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	148.65	24.71
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	152.80	26.70
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	176.71	29.37
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	188.87	31.28
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	203.39	33.57
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	350.27	58.73
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	463.10	77.05
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	504.96	84.67
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	181.02	30.49
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	213.47	35.70
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	175.65	29.37
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	187.53	31.13
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	189.19	31.28
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	228.39	37.98
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	246.25	41.18
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	378.00	63.21
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	441.45	73.99
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	483.70	80.86
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	203.39	33.57
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	249.64	41.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	268.52	45.01
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	378.00	63.21
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	413.10	69.26
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	485.36	80.86
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	564.37	94.81
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	667.34	112.13
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	849.45	221.21
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,087.68	259.36
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,415.47	434.81
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	829.61	221.21
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	918.65	154.50
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,415.47	434.81
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	846.31	221.21
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	954.79	160.57
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,390.41	434.81
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	959.01	168.58
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,567.72	261.54
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,222.45	348.50
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,350.45	354.51
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	110.50	18.03
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	133.00	23.88
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,257.73	186.59
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	136.49	17.71
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	143.10	18.65
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	150.01	18.98
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	160.68	19.61
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	167.64	21.51
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	169.06	23.24
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	375.26	62.30
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	378.64	62.93
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	485.36	80.64
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	176.71	29.37
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	252.69	67.12
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	447.57	43.41
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	387.45	64.80
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	837.21	434.81
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	242.89	40.54
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	285.11	47.29
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	831.93	434.81
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	252.97	42.46
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	296.28	49.48
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	858.03	434.81
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	47.56	3.22
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	48.20	3.54

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21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	52.07	4.19
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	30.97	5.15
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	253.49	39.21
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	192.97	39.21
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0001)*		
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	199.84	33.84
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	227.18	38.58
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	288.95	49.01
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	311.23	52.82
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	389.82	66.41
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	414.84	70.52
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	795.45	135.98
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	63.72	10.12
21 22 16 00-0205		Alarm Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	173.16	29.41
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	253.87	43.00
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	23.16	3.92
21 22 16 00-0209		Annunciators, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,996.10	341.23
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,673.26	285.89
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,298.97	222.00
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,131.28	193.22
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,131.28	193.22
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	906.18	154.65
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,673.26	285.89
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	340.22	57.88
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	426.60	72.74
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	855.54	146.10
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	144.48	24.51
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	196.70	33.84
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	340.24	57.88
21 22 16 00-0223		Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	265.28	47.12
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	16.53	3.23
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	108.14	3.92
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	18.05	3.92
21 22 16 00-0228		Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	590.09	105.63
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	353.59	62.93
21 22 16 00-0231		Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	258.21	40.48
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	540.43	85.71
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	610.03	97.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	793.76	118.28
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,285.67	205.24
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	193.12	32.57
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	345.29	58.83
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	702.35	119.86
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	2,042.08	349.14
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,493.36	255.21

21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	157.41	27.04
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	147.70	26.88
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	201.07	38.58
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	295.68	50.28
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	230.59	40.80
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	216.96	39.21
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	34.57	6.26
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	127.15	22.13
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	126.93	21.51
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	49.23	17.71
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	11.67	1.96
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	122.18	20.71
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	71.60	12.21
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	193.52	32.26
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	101.28	17.08

21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	29.02	4.59
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	17.87	2.53

21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	253.87	43.00
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	761.15	123.65
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,458.28	249.21
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	38.82	6.45

21 22 16 00-0266 Vesda® Aspirating Smoke Detection System *(21 22 16 00-0001)*

21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	196.32	30.36
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	419.21	45.77
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,095.07	177.10
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,095.07	177.10
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,645.16	265.65
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,645.16	265.65
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,384.02	338.38

21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	35.31	5.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	52.12	5.70
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	76.62	10.75
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	117.50	12.02
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	151.21	24.04
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	274.62	30.36
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	8,328.04	1,486.36
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	10,601.49	1,834.23
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	9,592.96	1,676.10
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	13,293.41	2,213.72
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,999.43	2,340.22
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	13,442.50	2,245.35
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	14,197.12	2,371.84
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	14,613.35	2,466.71
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	15,255.01	2,593.21
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	16,032.03	2,719.71
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	16,720.67	2,846.21
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	15,682.32	2,593.21
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,492.66	347.87
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,504.15	347.87
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,257.90	316.25
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,271.25	316.25
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,802.92	379.50
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,384.44	328.89
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,613.78	369.38
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,334.74	1,043.61
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	5,207.43	834.88
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,849.48	316.25
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,322.73	205.56
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,839.19	277.03
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,614.15	341.55
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	346.51	51.23
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,306.73	316.25
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,662.07	262.48
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,303.87	202.40
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,664.58	262.48
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,662.07	262.48
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,638.35	246.67
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	194.13	22.13
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,924.89	1,214.38
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,812.77	2,125.17
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,076.23	158.12
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	24.32	3.17
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.27	0.64
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	594.73	91.71
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	720.59	111.32
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	1,040.47	161.29
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	153.41	24.04
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	24.47	5.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0328		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	21.92	3.79
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	23.19	4.43
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	35.31	5.70
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	35.36	5.70
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	128.51	21.51
21 22 16 00-0334		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	314.33	45.54
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	423.26	60.72
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	434.75	66.41
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	1,030.66	94.87
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,544.70	208.72
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4" Diameter, Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	7.61	2.42
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	13.41	4.85
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	37.63	14.54
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	38.57	14.54
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	26.39	9.70
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	41.85	14.54
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	57.49	21.82
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	70.82	25.60
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	6.31	2.29
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	24.21	6.96
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	28.15	5.06
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	40.26	6.96
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,806.55	242.87
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,854.51	279.57
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,123.14	170.77
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,282.44	192.91
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,806.55	242.87
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	2,174.50	279.57
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	619.58	86.02
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	932.80	131.55
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,766.70	271.97
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,591.57	398.47
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	140.15	22.13
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	104.80	16.45
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,411.88	583.47
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	102.55	13.41
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	102.98	17.39
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	61.36	10.44
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	25.06	4.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0375		Manual Pull Stations, Industrial Fire Control System *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	115.85	18.34
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	163.34	25.93
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,275.83	203.66
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	37.08	5.88
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	16.62	2.62
21 22 16 00-0381		Marine Fire Control System *(21 22 16 00-0001)*		
21 22 16 00-0382		Alarm Devices, Marine Fire Control System *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	67.19	10.63
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	124.19	20.56
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	124.19	20.56
21 22 16 00-0386		FM200 System Equipment *(21 22 16)*		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,796.94	152.56
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,428.34	174.68
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,443.20	205.96
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,529.92	244.10
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,307.75	305.13
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	927.69	305.13
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	321.91	101.46
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	377.41	76.28
21 22 16 00-0395	LB	FM200 Gas	29.96	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,140.24	82.08
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	916.21	114.73
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	915.97	122.96
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	232.47	43.48
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	282.76	82.08
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,174.60	122.96
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	962.40	324.34
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,657.47	609.33
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,625.04	1,220.05
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	399.08	122.96
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,761.19	461.81
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	429.59	122.96
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	396.14	122.96
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,740.06	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	264.49	57.21

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001		Kidde Fire Systems *(21 23 16)* Note: Kidde or equal.		
21 23 16 00-0002		Cylinders And Hardware *(21 23 16 00-0001)*		
21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,090.86	129.74
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,257.73	161.60
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,541.70	199.38
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,820.93	236.57
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	60.98	6.78
21 23 16 00-0008	EA	System Valve Actuator	219.94	26.96
21 23 16 00-0009	EA	Vent Plug	41.40	5.47
21 23 16 00-0010	EA	Gauge Shield	103.52	14.42
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	113.53	14.42
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	120.34	15.28
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	228.67	28.83
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	226.28	32.73
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	302.45	32.80
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	42.16	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	44.29	
21 23 16 00-0018		Nozzles And Accessories *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	101.90	13.27
21 23 16 00-0020	EA	LPF Or DM Nozzle	110.37	13.27
21 23 16 00-0021	EA	LPR Nozzle	127.81	13.27
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	76.26	9.37
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	12.03	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.41	0.87
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	43.45	13.19
21 23 16 00-0026		Control Systems *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,263.41	86.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	109.92	14.42
21 23 16 00-0029	EA	24" High Pressure Hose	129.12	14.42
21 23 16 00-0030	EA	60" High Pressure Hose	171.80	14.42
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	251.85	28.83
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	84.72	13.55
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	91.12	13.55
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	38.70	10.81
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	713.49	55.86
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	106.66	13.55
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	192.64	23.50
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	592.59	75.39

21 23 16 00-0039 Mechanical Actuation Components *(21 23 16 00-0001)*

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	72.03	21.63
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	98.73	21.63
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	250.76	14.42
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	193.14	14.42
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	29.78	3.89
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	401.35	23.78
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	49.84	6.34
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	101.91	7.21
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	3.40	1.44
21 23 16 00-0049	EA	Cable Clamp	14.24	0.73
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	2.08	0.57
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	2.01	0.57
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	106.33	13.41

21 23 16 00-0053 Mechanical Detection Links *(21 23 16 00-0001)*

21 23 16 00-0054	EA	KGS Standard Response Link	24.24	7.21
21 23 16 00-0055	EA	KGS Rapid Response Link	34.06	7.21
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	29.66	7.21
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	29.36	7.21
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	42.16	7.21

21 23 16 00-0059 Gas Valves *(21 23 16 00-0001)*

21 23 16 00-0060	EA	3/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	470.29	31.14
21 23 16 00-0061	EA	1" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	513.54	38.35
21 23 16 00-0062	EA	1-1/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	591.38	48.44
21 23 16 00-0063	EA	1-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	649.88	55.79
21 23 16 00-0064	EA	2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	704.00	65.89
21 23 16 00-0065	EA	2-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,162.67	96.30
21 23 16 00-0066	EA	3" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,299.74	111.43
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	534.12	35.18
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	68.58	
21 23 16 00-0069	EA	1/2" Diameter, Electric Solenoid Gas Shut-off Valve	489.64	28.98
21 23 16 00-0070	EA	3/4" Diameter, Electric Solenoid Gas Shut-off Valve	493.99	31.14
21 23 16 00-0071	EA	1" Diameter, Electric Solenoid Gas Shut-off Valve	759.04	38.35
21 23 16 00-0072	EA	1-1/4" Diameter, Electric Solenoid Gas Shut-off Valve	806.40	48.44
21 23 16 00-0073	EA	1-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	925.85	55.79
21 23 16 00-0074	EA	2" Diameter, Electric Solenoid Gas Shut-off Valve	1,188.22	65.89
21 23 16 00-0075	EA	2-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	1,960.12	96.30
21 23 16 00-0076	EA	3" Diameter, Electric Solenoid Gas Shut-off Valve	2,459.52	111.43
21 23 16 00-0077	EA	Manual Reset Relay	704.62	144.89

21 23 16 00-0078 Liquid Tight Sealing Adapters *(21 23 16 00-0001)*

21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	54.42	6.06
21 23 16 00-0080	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe, Compression Seal Adapter	53.80	6.63
21 23 16 00-0081	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe, Compression Seal Adapter	63.23	7.92
21 23 16 00-0082	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe, Compression Seal Adapter	72.77	8.51
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	63.23	7.92
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	53.80	6.63
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	53.80	6.63
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	88.47	11.24
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	117.77	14.85
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	53.80	

21 23 16 00-0089 Pressure Operated Releasing Systems *(21 23 16 00-0001)*

21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	390.09	43.53
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	351.20	44.40
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	268.97	10.96
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	1,007.89	125.57
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	214.58	26.82
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	321.00	26.82
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	315.68	19.03
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	98.85	12.11
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	12.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	807.96	100.91
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,207.30	102.35
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,739.03	147.48
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	2,282.69	201.69
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	247.02	24.08
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,626.50	157.43
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	993.07	96.01
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	32.07	3.18
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	32.07	3.18
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	32.85	3.18
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	32.07	3.18
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	32.07	3.18
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	34.91	3.18
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	55.55	5.33
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	72.09	7.07
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	84.99	36.48
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	692.08	81.16
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	582.45	31.14
21 23 16 00-0121	EA	1" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	663.10	38.35
21 23 16 00-0122	EA	1-1/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	714.90	48.44
21 23 16 00-0123	EA	1-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	786.09	55.64
21 23 16 00-0124	EA	2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	904.08	65.73
21 23 16 00-0125	EA	2-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	2,112.58	96.16
21 23 16 00-0126	EA	3" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	2,253.27	111.29
21 23 16 00-0127	EA	3/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	456.29	31.14
21 23 16 00-0128	EA	1" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	779.79	38.35
21 23 16 00-0129	EA	1-1/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	812.64	48.44
21 23 16 00-0130	EA	1-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	924.82	55.64
21 23 16 00-0131	EA	2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,282.49	65.73
21 23 16 00-0132	EA	2-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,484.65	96.16
21 23 16 00-0133	EA	3" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,619.08	111.29
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	115.01	10.67
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	163.55	13.55
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	636.41	13.55
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	42.45	4.18
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,390.26	135.37
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,771.51	173.14
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	908.81	88.66
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	1,096.59	106.83
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	1,002.69	97.74
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	1,046.47	102.21
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,363.19	132.92
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,563.76	152.81
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	127.01	12.40
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	31.89	2.02
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	32.80	2.59
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	101.85	9.95
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	110.76	10.81
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	221.86	21.48
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	469.52	45.56
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	2.27	0.43
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.31	0.43
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	5.51	0.57
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.93	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	105.22	10.38
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	109.85	10.81
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	12.88	1.30
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	151.16	14.12
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	21.17	2.02
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	29.46	2.88
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	12.88	1.30
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	18.13	1.73
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	17.73	1.73
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	5.07	0.43
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	8.58	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	164.11	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	1,119.96	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,452.93	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,677.56	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	51.55	4.90
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	53.38	5.19
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	102.81	9.95
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	145.48	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	312.70	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	207.69	20.33
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	221.12	28.54
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	55.55	5.33
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	7.28	1.88
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,745.22	317.16
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,832.86	317.16
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	910.74	72.09
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	853.49	72.09

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)*		
		Note: Amerex or equal.		
21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	692.61	111.87
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	959.20	141.05
21 24 16 00-0004	EA	Recharge 3.75 Gallon - KP Liquid Agent	227.81	
21 24 16 00-0005	EA	Recharge 6 Gallon - KP Liquid Agent	400.46	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	159.47	23.48
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	92.89	13.62
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	40.28	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	159.47	23.48
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	400.46	58.86
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	213.43	31.31
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	257.45	31.31
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	635.48	93.46
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	47.96	7.04
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	213.43	31.31
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	38.37	5.63
21 24 16 00-0017	EA	Detector	28.77	4.22
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	10.79	1.56
21 24 16 00-0019	EA	Test Link	3.93	
21 24 16 00-0020	EA	Corner Pulley	14.87	2.20
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	239.79	35.23
21 24 16 00-0022	EA	Pulley Tee	107.90	15.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0023	EA	Manual Pull Station (Standard)	95.91	14.09
21 24 16 00-0024	EA	Manual Recess Standard Pull Station, Adapter Kit	45.00	6.57
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	106.94	15.66
21 24 16 00-0026	EA	Conduit Offset	21.34	3.13
21 24 16 00-0027	EA	3/8" Diameter Pipe Thread, Seal (Quick-Seal)	29.41	4.38
21 24 16 00-0028	EA	1/2" Diameter Pipe Thread, Seal (Quick-Seal	23.97	3.60
21 24 16 00-0029	EA	3/8" Diameter Pipe Compression Seal	40.04	5.95
21 24 16 00-0030	EA	1/2" Diameter Pipe Compression Seal	40.04	5.95
21 24 16 00-0031	EA	Standard Cap, Nozzle Blow-Off	12.33	4.07
21 24 16 00-0032	EA	High Temperature Cap, Nozzle Blow-Off	26.72	4.07
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	47.96	7.04
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	47.96	7.04
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	47.96	7.04
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	47.96	7.04
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	47.96	7.04
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	68.97	10.18
21 24 16 00-0039	EA	3/4" Or 1" Diameter, Mechanical Gas Valve	375.88	41.48
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Diameter, Mechanical Gas Valve	447.32	60.27
21 24 16 00-0041	EA	2" Diameter, Mechanical Gas Valve	555.58	71.23
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	604.28	88.76
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	31.80	4.70
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	51.31	7.52
21 24 16 00-0045	EA	Gas Valve Trip Assembly	107.91	15.81

21 24 16 00-0046 Range Guard Fire Suppression Systems *(21 24 16)*

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	736.22	120.95
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	919.01	150.94
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,134.57	186.40
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,347.61	221.29
21 24 16 00-0051	EA	Vent Plug	30.92	5.04
21 24 16 00-0052	EA	Discharge Adapter Kit	39.84	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	81.95	13.41
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	86.73	14.28
21 24 16 00-0055	EA	4 Gallon Wall Bracket	163.80	26.96
21 24 16 00-0056	EA	6 Gallon Wall Bracket	181.52	29.84
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	640.41	105.23
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	668.13	109.71
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	766.46	125.85
21 24 16 00-0060	EA	Tandem Control Head	582.42	95.73
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	985.82	161.89
21 24 16 00-0062	EA	Mechanical Control Box	438.70	72.09
21 24 16 00-0063	EA	Tandem Control Box	438.70	72.09
21 24 16 00-0064	EA	Mechanical Control Box Adapter	128.58	21.19
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	386.43	63.44
21 24 16 00-0066	EA	Pressure Operated Actuator	158.84	26.09
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	257.18	42.24
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	262.21	43.10
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	64.29	10.53
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	742.04	121.82
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	158.84	26.09
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	158.84	26.09
21 24 16 00-0073	EA	Check Valve	137.21	30.99
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	71.85	11.83
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	31.26	5.13
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	8.23	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	163.88	26.96
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	75.13	12.40
21 24 16 00-0079	EA	Nozzles; DM And LPF	83.70	13.69
21 24 16 00-0080	EA	Swivel Adapter	52.95	8.65
21 24 16 00-0081	EA	Corner Pulley	22.69	3.75
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	1.10	0.43
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.31	0.43
21 24 16 00-0084	EA	"S" Hook	0.99	0.29
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	78.13	12.83
21 24 16 00-0086	EA	Cable Clamp	6.98	1.15
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.99	0.29
21 24 16 00-0088	EA	3/8" Cable Anchor	82.56	13.55
21 24 16 00-0089	EA	1/2" Cable Anchor	82.56	13.55
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	133.55	21.91
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	142.53	23.35
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	166.98	27.39
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	52.32	8.65
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	219.21	35.89
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	166.98	27.39
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	199.05	32.73
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	35.78	5.91
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	39.73	6.48
21 24 16 00-0099	EA	Fusible Link 165F To 360F	13.01	2.16
21 24 16 00-0100	EA	Fusible Link 500F	20.04	2.16
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	39.73	6.48
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	29.99	6.48
21 24 16 00-0103	EA	Quartzoid Link 400 F	214.17	35.18
21 24 16 00-0104	EA	Quartzoid Link 500 F	214.17	35.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	76.76	12.54
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	133.54	21.91
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	79.37	12.98
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	137.57	22.63
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	100.79	16.57
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	145.39	23.78
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	425.82	69.92
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	191.50	31.43
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	191.50	31.43
21 24 16 00-0114	EA	Electric Manual Pull Station	139.84	22.93
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	78.12	12.83
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	110.88	18.17
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	8.98	1.44
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	39.73	6.48
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	39.73	6.48
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	146.14	23.93
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	161.26	26.53
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	4.73	1.88
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	20.15	3.32
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	216.70	35.61
21 24 16 00-0125	EA	Suppression Abort Station	229.29	37.63
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	267.09	43.83
21 24 16 00-0127	EA	Surface Mount Back Box	88.20	14.42
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,637.80	268.57
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,637.80	268.57
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	136.06	22.34
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.31	1.01
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,184.17	
21 24 16 00-0133	EA	Extra Scorpio Key	20.15	
21 24 16 00-0134	EA	Extra Scorpio Manual	12.60	
21 24 16 00-0135	EA	3/8" Diameter Pipe Compression Seal Adapter	34.27	5.63
21 24 16 00-0136	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe Compression Seal Adapter	37.20	6.06
21 24 16 00-0137	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe Compression Seal Adapter	44.76	7.35
21 24 16 00-0138	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe Compression Seal Adapter	47.87	7.78
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	37.20	6.06
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	37.20	6.06
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	63.66	10.53
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	84.40	13.84
21 24 16 00-0143	EA	Up To 1-1/8" Diameter Quik Patch	37.20	6.06
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	82.81	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	142.35	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	215.16	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	314.85	
21 24 16 00-0148	EA	Inlet Flushing Adapter	61.72	10.09
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	61.72	10.09
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	61.72	10.09
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	61.72	10.09
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	61.72	10.09
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	85.67	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.95	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	8.22	
21 24 16 00-0156	EA	Inspection Label, Authorized Installers Only	5.94	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	4.41	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,083.40	177.75
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,264.82	207.45
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,574.75	258.34
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,574.75	258.34
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,980.40	324.80
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	938.54	153.97
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	881.83	144.59
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	713.03	116.92
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,234.57	202.54
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,131.25	185.54

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 00 00-0001 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 00 00-0002 Electric-Drive Fire Pumps *(21 31 00 00-0001)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 00 00-0003	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	24,119.36	2,797.84
		For Duplex Pumping System, Add	*21,321.52*	
21 31 00 00-0004	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	27,631.83	3,147.58
		For Duplex Pumping System, Add	*24,717.41*	
21 31 00 00-0005	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	36,610.69	3,497.31
		For Duplex Pumping System, Add	*33,372.45*	
21 31 00 00-0006	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	45,254.01	4,014.71
		For Duplex Pumping System, Add	*41,239.31*	
21 31 00 00-0007	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	50,371.16	4,379.69
		For Duplex Pumping System, Add	*45,991.47*	

21 31 00 00-0008 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 00 00-0009		Diesel-Drive Fire Pumps *(21 31 00 00-0008)* Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.		
21 31 00 00-0010	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	83,862.59	3,284.76
21 31 00 00-0011	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	94,839.57	3,649.74
21 31 00 00-0012	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	99,724.26	4,014.71
21 31 00 00-0013	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	113,405.48	4,379.69
21 31 00 00-0014	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	120,564.03	5,109.64
21 31 00 00-0015	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	130,218.36	6,569.53
21 31 00 00-0016	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	141,417.60	7,299.48
21 31 00 00-0017	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	161,696.96	8,321.41
21 31 00 00-0018	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	193,265.01	8,978.35
21 31 00 00-0019	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	226,622.13	10,219.27
21 31 00 00-0020	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	268,490.23	10,949.22
21 31 00 00-0021	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	302,069.22	11,679.17

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001		Jockey Pumps *(21 34 13)* Note: Excludes controller		
21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,886.34	384.53
21 34 13 00-0003	EA	2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,025.75	420.50
21 34 13 00-0004	EA	3 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,686.42	464.76
21 34 13 00-0005	EA	5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	4,078.23	553.29
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	5,908.87	680.55
21 34 13 00-0007		Jockey Pump Controllers *(21 34 13)*		
21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	771.65	110.65
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller	1,145.65	110.65

21 40 Fire-Suppression Water Storage *(21)*

21 41 Storage Tanks for Fire-Suppression Water *(21 40)*

21 41 19 Roof-Mounted Storage Tanks for Fire-Suppresion Water *(21 41)*

21 41 19 00-0001		Western Yellow Cedar, Roof Mounted Water Storage Tanks *(21 41 19)* Note: Includes inside ladder, outside ladder, cone cover and cleaning.		
21 41 19 00-0002	EA	3,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	31,362.28	8,936.37
21 41 19 00-0003	EA	6,900 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	64,404.56	17,140.26
21 41 19 00-0004	EA	10,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	86,675.70	20,802.71
21 41 19 00-0005	EA	15,190 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	111,895.14	27,834.61
21 41 19 00-0006	EA	18,200 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	138,999.53	30,618.07
21 41 19 00-0007	EA	20,300 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	152,294.78	33,401.53
21 41 19 00-0008	EA	30,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	173,025.35	34,280.51
21 41 19 00-0009	EA	33,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	188,042.51	34,573.51
21 41 19 00-0010	EA	45,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank	285,321.62	42,777.39
21 41 19 00-0011		Roof Mounted Water Storage Tank Water Level Controls *(21 41 19)*		
21 41 19 00-0012	EA	Roof Mounted Water Storage Tank Water Level Control Note: Abacus water level controls. Includes local controller display unit, FX PCG 2611 controller, FX I/O modules, control transformer, temperature probe, ultrasonic level transmitters, remote station, programming and calibration.	55,822.50	31,519.04
21 41 19 00-0013		Clean, Adjust, Lubricate And Caulk Western Yellow Cedar, Roof Mounted Water Storage Tanks *(21 41 19)*		
21 41 19 00-0014	EA	Clean, Adjust, Lubricate And Caulk Western Yellow Cedar, Roof Mounted Water Storage Tank	846.94	

END OF SECTION 21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	50.74
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	53.11
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	58.45
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	62.50
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	67.94
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	86.87
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	111.80
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	130.74
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	150.12
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	79.32
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	83.94
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	92.94
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	102.16
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	112.83
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	145.93
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	179.37
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	205.79
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	233.95
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	111.97
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	117.00
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	129.32
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	141.86
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	160.23
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	196.80
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	234.45
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	283.27
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	347.55
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	357.25
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	382.57

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.18
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.20
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	44.64
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.37
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.24
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	53.01
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	60.71
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	83.44
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	66.80
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.76
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.84
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	90.82
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	74.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	78.35	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	83.37	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	86.52	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	109.31	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	93.38	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	97.86	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	101.28	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	112.12	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	131.63	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	144.14	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	152.00	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	178.23	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	161.68	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	163.11	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.84	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	185.10	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	185.53	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	187.20	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	187.00	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	186.02	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	185.95	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	185.36	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	169.15	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	50.63	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	54.64	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	64.05	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	83.59	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	124.21	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	185.22	

22 01 10 61-0074 Repair And Tape Pipe Insulation Seam *(22 01 10 61)*

22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.38	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	78.72	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	26.99	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	37.59	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	53.25	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	82.14	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	48.86	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	51.55	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	59.14	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	48.27	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	139.24	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	36.00	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	20.14	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	21.07	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	20.14	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	11.85	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	35.19	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	56.19	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	37.95	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	41.21	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	45.81	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	35.66	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	25.02	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	49.03	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	11.90	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	187.20	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	244.67	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	259.74	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	274.28	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	249.73	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	31.93	
22 01 40 81-0032	EA	Toilet Flapper Ball With Chain Replacement	21.98	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	24.29	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	86.13	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	88.15	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	347.55	
22 01 40 81-0037	EA	Tub Diverter Replacement	73.06	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	53.03	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	14.05	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	93.71	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	50.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	54.67	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	34.72	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	45.53	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	50.50	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	37.70	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*

Note: 200 psi cold working pressure.

22 05 23 00-0003	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	146.18	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0004	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	164.69	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0005	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	215.71	19.57
		For Work In Restricted Working Space, Add	*14.38*	
22 05 23 00-0006	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	292.19	20.82
		For Work In Restricted Working Space, Add	*15.85*	
22 05 23 00-0007	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	338.34	24.10
		For Work In Restricted Working Space, Add	*17.61*	
22 05 23 00-0008	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	464.10	28.49
		For Work In Restricted Working Space, Add	*21.13*	

22 05 23 00-0009 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0010	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	109.23	15.66
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*13.68*	
22 05 23 00-0011	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	111.62	15.66
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*14.39*	
22 05 23 00-0012	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	114.51	15.66
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*15.15*	
22 05 23 00-0013	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	136.86	17.22
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*20.42*	
22 05 23 00-0014	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	166.67	19.57
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*24.72*	
22 05 23 00-0015	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	241.95	20.82
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*31.31*	
22 05 23 00-0016	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	269.96	24.10
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*36.13*	
22 05 23 00-0017	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	323.48	28.49
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*42.69*	
22 05 23 00-0018	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	717.73	38.49
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*57.67*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0019	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	841.91	44.69
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*66.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0020		**Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves** *(22 05 23 00-0001)* Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)		
22 05 23 00-0021	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	130.43	15.66
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*13.68*	
22 05 23 00-0022	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	132.64	15.66
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*14.39*	
22 05 23 00-0023	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	153.69	15.66
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*15.15*	
22 05 23 00-0024	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	176.05	17.22
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*20.42*	
22 05 23 00-0025	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	211.38	19.57
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*24.72*	
22 05 23 00-0026	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	303.10	20.82
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*31.31*	
22 05 23 00-0027	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	346.88	24.10
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*36.13*	
22 05 23 00-0028	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	442.33	28.49
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*42.69*	
22 05 23 00-0029		**Ball Valves** *(22 05 23)*		
22 05 23 00-0030		**Crimped Bronze, Ball Valves** *(22 05 23 00-0029)*		
22 05 23 00-0031		**Crimped Bronze, 250 PSI, Ball Valves** *(22 05 23 00-0030)* Note: NIBCO		
22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	102.24	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	131.43	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	168.14	19.57
		For Work In Restricted Working Space, Add	*14.38*	
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	267.82	20.82
		For Work In Restricted Working Space, Add	*15.85*	
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	352.26	24.10
		For Work In Restricted Working Space, Add	*17.61*	
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	528.10	28.49
		For Work In Restricted Working Space, Add	*21.13*	
22 05 23 00-0038		**Crimped Bronze, 200 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	64.46	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	81.19	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	98.50	19.57
		For Work In Restricted Working Space, Add	*14.38*	
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	135.00	20.82
		For Work In Restricted Working Space, Add	*15.85*	
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	172.47	24.10
		For Work In Restricted Working Space, Add	*17.61*	
22 05 23 00-0044	EA	2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	252.14	28.49
		For Work In Restricted Working Space, Add	*21.13*	
22 05 23 00-0045		**Crimped Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0046	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	73.15	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0047	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	87.51	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0048	EA	1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	108.61	19.57
		For Work In Restricted Working Space, Add	*14.38*	
22 05 23 00-0049	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	166.59	20.82
		For Work In Restricted Working Space, Add	*15.85*	
22 05 23 00-0050	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	240.41	24.10
		For Work In Restricted Working Space, Add	*17.61*	
22 05 23 00-0051	EA	2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	331.14	28.49
		For Work In Restricted Working Space, Add	*21.13*	
22 05 23 00-0052		**Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0053	EA	1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	70.78	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0054	EA	3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	85.30	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0055	EA	1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	103.55	19.57
		For Work In Restricted Working Space, Add	*14.38*	

22 05 23 00-0056 Check Valves *(22 05 23)*

22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*

Note: NIBCO

22 05 23 00-0058	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	190.09	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0059	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	241.21	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0060	EA	1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	332.24	19.57
		For Work In Restricted Working Space, Add	*14.38*	
22 05 23 00-0061	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	441.14	20.82
		For Work In Restricted Working Space, Add	*15.85*	
22 05 23 00-0062	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	525.61	24.10
		For Work In Restricted Working Space, Add	*17.61*	
22 05 23 00-0063	EA	2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	750.00	28.49
		For Work In Restricted Working Space, Add	*21.13*	

22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*

22 05 23 00-0065	EA	1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	57.79	15.66
		For Work In Restricted Working Space, Add	*10.57*	
22 05 23 00-0066	EA	3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	68.98	17.22
		For Work In Restricted Working Space, Add	*12.03*	
22 05 23 00-0067	EA	1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	81.21	19.57
		For Work In Restricted Working Space, Add	*14.38*	
22 05 23 00-0068	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	100.94	20.82
		For Work In Restricted Working Space, Add	*15.85*	
22 05 23 00-0069	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	127.01	24.10
		For Work In Restricted Working Space, Add	*17.61*	
22 05 23 00-0070	EA	2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	194.74	28.49
		For Work In Restricted Working Space, Add	*21.13*	

22 05 23 00-0071 Butterfly Valves *(22 05 23)*

22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*

22 05 23 00-0073	EA	2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,390.73	41.80
		For Work In Restricted Working Space, Add	*24.65*	
22 05 23 00-0074	EA	3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,507.06	48.53
		For Work In Restricted Working Space, Add	*29.35*	
22 05 23 00-0075	EA	4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,885.07	54.79
		For Work In Restricted Working Space, Add	*38.75*	

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	803.50	83.28
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	872.15	104.41
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,087.93	126.18
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,550.55	141.20
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,902.95	152.94
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0008		Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*		
22 05 76 00-0009	EA	2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	922.58	83.28
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	993.12	104.41
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,208.90	126.18
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,671.52	141.20
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,023.92	152.94
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0014		Wall Cover For Cleanout *(22 05 76)*		
		Note: Cover and screw only.		
22 05 76 00-0015		Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	101.05	26.14
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	111.48	31.31
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	138.59	35.23
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	218.42	39.14
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	316.26	43.05
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	601.05	26.14
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	862.84	27.40
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	921.86	28.96
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,031.33	32.87
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	611.54	26.14
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	878.28	27.40
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	938.38	28.96
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,049.80	32.87
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	593.42	26.14
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	818.72	27.40
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,158.50	28.96
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,401.98	32.87
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	589.40	83.28
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	675.57	104.26
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	879.79	126.18
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	2,067.37	152.94
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,012.27	83.28
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,098.44	104.26
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,274.60	126.18
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0046	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,638.55	152.94
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug	483.20	68.10
22 05 76 00-0049	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug	539.86	74.35
22 05 76 00-0050	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug	719.22	97.84
22 05 76 00-0051	EA	5" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,074.15	115.84
22 05 76 00-0052	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,818.46	136.98
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug	93.20	19.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Diameter, Threaded Bronze Plug	111.05	21.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Diameter, Threaded Bronze Plug	186.76	23.48
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Diameter, Threaded Bronze Plug	209.31	27.40
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Diameter, Threaded Bronze Plug	236.75	31.31
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Diameter, Threaded Bronze Plug	330.38	35.23
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Diameter, Threaded Bronze Plug	482.81	39.14
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Diameter, Threaded Bronze Plug	809.13	43.05
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Diameter, Threaded Bronze Plug	1,160.09	46.97
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	42.60	19.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	43.21	19.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	47.03	21.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	53.04	23.48
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	62.49	27.40
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	73.05	31.31
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	78.31	32.97
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	83.94	35.22
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	106.40	39.13
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	42.13	19.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	42.80	19.57
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	48.34	21.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	53.23	23.48
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	61.93	27.40
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	72.16	31.31
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	83.46	35.22
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	98.55	39.14
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001		Lavatory Insulation *(22 07 16)*		
22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	389.12	31.67

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0002		**1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.47	3.10
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.70	3.10
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.37	3.24
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.78	3.38
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.13	3.38
		For Work In Restricted Working Space, Add	*2.77*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.82	3.52
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	13.45	3.66
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.21	3.80
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	16.16	4.08
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	19.09	4.78
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0013		**1" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.05	4.23
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.41	4.23
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.64	4.23
		For Work In Restricted Working Space, Add	*3.52*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.18	4.37
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.59	4.37
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.25	4.51
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	17.15	4.78
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	18.03	4.92
		For Work In Restricted Working Space, Add	*3.97*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	20.43	5.20
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	23.65	6.05
		For Work In Restricted Working Space, Add	*4.82*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	29.25	6.76
		For Work In Restricted Working Space, Add	*5.53*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	34.40	8.02
		For Work In Restricted Working Space, Add	*6.53*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	39.47	9.15
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	42.63	9.99
		For Work In Restricted Working Space, Add	*7.80*	
22 07 19 00-0028		**1-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.09	4.35
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.32	4.35
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.32	4.60
		For Work In Restricted Working Space, Add	*3.83*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.96	4.70
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.53	4.78
		For Work In Restricted Working Space, Add	*3.97*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.84	5.04
		For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	21.75	5.12
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	22.46	5.30
		For Work In Restricted Working Space, Add	*4.41*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	24.79	5.74
		For Work In Restricted Working Space, Add	*4.76*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.71	6.70
		For Work In Restricted Working Space, Add	*5.57*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.30	7.06
		For Work In Restricted Working Space, Add	*5.87*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	39.48	8.46
		For Work In Restricted Working Space, Add	*7.03*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	44.76	9.85
		For Work In Restricted Working Space, Add	*8.19*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	50.13	10.79
		For Work In Restricted Working Space, Add	*8.97*	
22 07 19 00-0043		**2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	21.15	4.78
		For Work In Restricted Working Space, Add	*3.97*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	21.42	4.78
		For Work In Restricted Working Space, Add	*3.97*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.15	4.92
		For Work In Restricted Working Space, Add	*4.02*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.82	4.92
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	23.52	5.06
		For Work In Restricted Working Space, Add	*4.12*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	24.40	5.20
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	25.66	5.35
		For Work In Restricted Working Space, Add	*4.42*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	27.02	5.63
		For Work In Restricted Working Space, Add	*4.58*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	29.57	5.91
		For Work In Restricted Working Space, Add	*4.83*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	34.96	6.94
		For Work In Restricted Working Space, Add	*5.79*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	39.73	7.33
		For Work In Restricted Working Space, Add	*6.11*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	47.55	8.76
		For Work In Restricted Working Space, Add	*7.31*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	54.64	10.51
		For Work In Restricted Working Space, Add	*8.76*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	69.49	11.47
		For Work In Restricted Working Space, Add	*12.22*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	73.48	13.44
		For Work In Restricted Working Space, Add	*12.22*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	81.68	14.12
		For Work In Restricted Working Space, Add	*12.83*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	92.55	16.13
		For Work In Restricted Working Space, Add	*14.66*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	107.48	19.49
		For Work In Restricted Working Space, Add	*17.72*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.28	5.63
		For Work In Restricted Working Space, Add	*4.58*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.66	5.63
		For Work In Restricted Working Space, Add	*4.58*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	27.73	5.63
		For Work In Restricted Working Space, Add	*4.65*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.52	5.77
		For Work In Restricted Working Space, Add	*4.69*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.36	5.77
		For Work In Restricted Working Space, Add	*4.72*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.58	6.05
		For Work In Restricted Working Space, Add	*4.92*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.30	6.19
		For Work In Restricted Working Space, Add	*5.09*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.89	6.47
		For Work In Restricted Working Space, Add	*5.27*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	37.54	6.76
		For Work In Restricted Working Space, Add	*5.56*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	43.03	7.18
		For Work In Restricted Working Space, Add	*6.31*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	57.67	8.58
		For Work In Restricted Working Space, Add	*7.04*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	68.92	9.85
		For Work In Restricted Working Space, Add	*8.12*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	78.19	12.24
		For Work In Restricted Working Space, Add	*10.08*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	88.49	13.51
		For Work In Restricted Working Space, Add	*11.01*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	103.98	17.16
		For Work In Restricted Working Space, Add	*14.07*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	111.87	18.01
		For Work In Restricted Working Space, Add	*14.78*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	126.95	20.54
		For Work In Restricted Working Space, Add	*16.89*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	149.22	24.82
		For Work In Restricted Working Space, Add	*20.40*	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	28.97	6.22
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	29.38	6.22
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	30.48	6.27
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	31.35	6.32
		For Work In Restricted Working Space, Add	*5.16*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	32.32	6.39
		For Work In Restricted Working Space, Add	*5.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	33.58	6.63
		For Work In Restricted Working Space, Add	*5.40*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	35.49	6.86
		For Work In Restricted Working Space, Add	*5.59*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	37.22	7.11
		For Work In Restricted Working Space, Add	*5.79*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	41.24	7.50
		For Work In Restricted Working Space, Add	*6.11*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	47.28	8.51
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	63.32	9.48
		For Work In Restricted Working Space, Add	*7.73*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	75.70	10.95
		For Work In Restricted Working Space, Add	*8.93*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	85.91	13.60
		For Work In Restricted Working Space, Add	*11.09*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	97.21	14.87
		For Work In Restricted Working Space, Add	*12.11*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	114.23	18.98
		For Work In Restricted Working Space, Add	*15.48*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	122.90	19.94
		For Work In Restricted Working Space, Add	*16.25*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	139.49	22.80
		For Work In Restricted Working Space, Add	*18.59*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	163.95	27.52
		For Work In Restricted Working Space, Add	*22.45*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.24	6.76
		For Work In Restricted Working Space, Add	*5.56*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.72	6.76
		For Work In Restricted Working Space, Add	*5.56*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.31	6.76
		For Work In Restricted Working Space, Add	*5.59*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.22	6.90
		For Work In Restricted Working Space, Add	*5.63*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.32	6.90
		For Work In Restricted Working Space, Add	*5.70*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	36.64	7.18
		For Work In Restricted Working Space, Add	*5.89*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	38.73	7.46
		For Work In Restricted Working Space, Add	*6.10*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	40.50	7.74
		For Work In Restricted Working Space, Add	*6.31*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	45.06	8.16
		For Work In Restricted Working Space, Add	*6.67*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	51.61	9.29
		For Work In Restricted Working Space, Add	*7.57*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	69.16	10.28
		For Work In Restricted Working Space, Add	*8.44*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	82.69	11.82
		For Work In Restricted Working Space, Add	*9.74*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	93.83	14.77
		For Work In Restricted Working Space, Add	*12.10*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	106.20	16.19
		For Work In Restricted Working Space, Add	*13.21*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	124.79	20.54
		For Work In Restricted Working Space, Add	*16.89*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	134.24	21.67
		For Work In Restricted Working Space, Add	*17.73*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	152.39	24.77
		For Work In Restricted Working Space, Add	*20.28*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	179.09	29.83
		For Work In Restricted Working Space, Add	*24.49*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	35.41	7.60
		For Work In Restricted Working Space, Add	*6.17*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	35.94	7.60
		For Work In Restricted Working Space, Add	*6.17*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	37.40	7.60
		For Work In Restricted Working Space, Add	*6.28*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	38.59	7.74
		For Work In Restricted Working Space, Add	*6.35*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	40.19	8.02
		For Work In Restricted Working Space, Add	*6.55*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	41.66	8.30
		For Work In Restricted Working Space, Add	*6.75*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	43.55	8.30
		For Work In Restricted Working Space, Add	*6.85*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	45.76	8.72
		For Work In Restricted Working Space, Add	*7.11*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	50.65	9.15
		For Work In Restricted Working Space, Add	*7.50*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	58.05	10.42
		For Work In Restricted Working Space, Add	*8.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	77.81	11.26
		For Work In Restricted Working Space, Add	*9.49*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	93.04	13.37
		For Work In Restricted Working Space, Add	*10.96*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	105.58	16.61
		For Work In Restricted Working Space, Add	*13.61*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	119.52	18.15
		For Work In Restricted Working Space, Add	*14.87*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	140.45	23.22
		For Work In Restricted Working Space, Add	*19.02*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	150.96	24.35
		For Work In Restricted Working Space, Add	*19.93*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	169.22	27.87
		For Work In Restricted Working Space, Add	*22.81*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	201.50	33.63
		For Work In Restricted Working Space, Add	*27.56*	

22 07 19 00-0138 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0139 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0140	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	24.33	6.87
		For Work In Restricted Working Space, Add	*6.24*	
22 07 19 00-0141	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	25.22	6.87
		For Work In Restricted Working Space, Add	*6.24*	
22 07 19 00-0142	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	26.43	6.97
		For Work In Restricted Working Space, Add	*6.33*	
22 07 19 00-0143	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	27.03	7.06
		For Work In Restricted Working Space, Add	*6.42*	
22 07 19 00-0144	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	27.93	7.16
		For Work In Restricted Working Space, Add	*6.51*	
22 07 19 00-0145	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	29.68	7.36
		For Work In Restricted Working Space, Add	*6.70*	
22 07 19 00-0146	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	31.89	7.66
		For Work In Restricted Working Space, Add	*6.97*	
22 07 19 00-0147	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	34.24	7.87
		For Work In Restricted Working Space, Add	*7.15*	
22 07 19 00-0148	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	39.35	8.46
		For Work In Restricted Working Space, Add	*7.69*	
22 07 19 00-0149	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	49.65	9.54
		For Work In Restricted Working Space, Add	*8.68*	

22 07 19 00-0150 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0151	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.54	7.61
		For Work In Restricted Working Space, Add	*6.70*	
22 07 19 00-0152	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.11	7.61
		For Work In Restricted Working Space, Add	*6.70*	
22 07 19 00-0153	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.97	7.72
		For Work In Restricted Working Space, Add	*6.78*	
22 07 19 00-0154	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.68	7.81
		For Work In Restricted Working Space, Add	*6.87*	
22 07 19 00-0155	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.34	7.92
		For Work In Restricted Working Space, Add	*6.97*	
22 07 19 00-0156	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.85	8.18
		For Work In Restricted Working Space, Add	*7.19*	
22 07 19 00-0157	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.07	8.48
		For Work In Restricted Working Space, Add	*7.47*	
22 07 19 00-0158	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	41.83	8.74
		For Work In Restricted Working Space, Add	*7.69*	
22 07 19 00-0159	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	47.18	9.30
		For Work In Restricted Working Space, Add	*8.19*	
22 07 19 00-0160	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	55.41	10.54
		For Work In Restricted Working Space, Add	*9.27*	
22 07 19 00-0161	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	61.96	11.75
		For Work In Restricted Working Space, Add	*10.34*	
22 07 19 00-0162	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	74.95	13.55
		For Work In Restricted Working Space, Add	*11.93*	
22 07 19 00-0163	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	89.16	16.84
		For Work In Restricted Working Space, Add	*14.81*	
22 07 19 00-0164	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	98.94	17.72
		For Work In Restricted Working Space, Add	*16.10*	
22 07 19 00-0165	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	109.03	19.79
		For Work In Restricted Working Space, Add	*17.99*	
22 07 19 00-0166	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	123.89	23.41
		For Work In Restricted Working Space, Add	*21.28*	
22 07 19 00-0167	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	138.32	25.91
		For Work In Restricted Working Space, Add	*23.56*	
22 07 19 00-0168	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	171.49	28.71
		For Work In Restricted Working Space, Add	*26.09*	

22 07 19 00-0169 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0170	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	31.96	7.87
		For Work In Restricted Working Space, Add	*7.15*	
22 07 19 00-0171	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	32.84	7.87
		For Work In Restricted Working Space, Add	*7.15*	
22 07 19 00-0172	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	33.99	7.95
		For Work In Restricted Working Space, Add	*7.24*	
22 07 19 00-0173	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	35.67	8.07
		For Work In Restricted Working Space, Add	*7.33*	
22 07 19 00-0174	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	37.38	8.16
		For Work In Restricted Working Space, Add	*7.42*	
22 07 19 00-0175	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	41.57	8.46
		For Work In Restricted Working Space, Add	*7.69*	
22 07 19 00-0176	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	43.56	8.76
		For Work In Restricted Working Space, Add	*7.96*	
22 07 19 00-0177	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	46.63	9.05
		For Work In Restricted Working Space, Add	*8.23*	
22 07 19 00-0178	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	52.29	9.55
		For Work In Restricted Working Space, Add	*8.68*	
22 07 19 00-0179	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	62.37	10.85
		For Work In Restricted Working Space, Add	*9.86*	
22 07 19 00-0180	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	69.43	12.10
		For Work In Restricted Working Space, Add	*11.00*	
22 07 19 00-0181	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	84.26	13.95
		For Work In Restricted Working Space, Add	*12.68*	
22 07 19 00-0182	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	104.38	17.34
		For Work In Restricted Working Space, Add	*15.76*	
22 07 19 00-0183	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	111.64	18.93
		For Work In Restricted Working Space, Add	*17.20*	
22 07 19 00-0184	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	132.56	24.19
		For Work In Restricted Working Space, Add	*21.99*	
22 07 19 00-0185	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	144.22	25.40
		For Work In Restricted Working Space, Add	*23.09*	
22 07 19 00-0186	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	159.83	29.04
		For Work In Restricted Working Space, Add	*26.39*	
22 07 19 00-0187	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	200.06	35.07
		For Work In Restricted Working Space, Add	*31.89*	

22 07 19 00-0188 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0189	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	38.49	8.53
		For Work In Restricted Working Space, Add	*7.75*	
22 07 19 00-0190	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.97	8.51
		For Work In Restricted Working Space, Add	*7.74*	
22 07 19 00-0191	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.90	8.65
		For Work In Restricted Working Space, Add	*7.87*	
22 07 19 00-0192	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.60	8.72
		For Work In Restricted Working Space, Add	*7.93*	
22 07 19 00-0193	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.30	8.79
		For Work In Restricted Working Space, Add	*7.99*	
22 07 19 00-0194	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.48	9.15
		For Work In Restricted Working Space, Add	*8.32*	
22 07 19 00-0195	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.51	9.47
		For Work In Restricted Working Space, Add	*8.61*	
22 07 19 00-0196	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.79	9.79
		For Work In Restricted Working Space, Add	*8.91*	
22 07 19 00-0197	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	62.33	10.33
		For Work In Restricted Working Space, Add	*9.39*	
22 07 19 00-0198	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	74.35	11.75
		For Work In Restricted Working Space, Add	*10.68*	
22 07 19 00-0199	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	82.86	13.10
		For Work In Restricted Working Space, Add	*11.91*	
22 07 19 00-0200	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	94.58	15.10
		For Work In Restricted Working Space, Add	*13.73*	
22 07 19 00-0201	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	117.76	18.77
		For Work In Restricted Working Space, Add	*17.06*	
22 07 19 00-0202	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	123.06	20.49
		For Work In Restricted Working Space, Add	*18.63*	
22 07 19 00-0203	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	145.69	26.19
		For Work In Restricted Working Space, Add	*23.81*	
22 07 19 00-0204	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	158.14	27.50
		For Work In Restricted Working Space, Add	*25.00*	
22 07 19 00-0205	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	181.76	31.43
		For Work In Restricted Working Space, Add	*28.57*	
22 07 19 00-0206	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	227.24	37.98
		For Work In Restricted Working Space, Add	*34.52*	

22 07 19 00-0207 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0208	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	46.15	9.07
		For Work In Restricted Working Space, Add	*8.24*	
22 07 19 00-0209	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	47.05	9.07
		For Work In Restricted Working Space, Add	*8.24*	
22 07 19 00-0210	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	48.39	9.22
		For Work In Restricted Working Space, Add	*8.38*	
22 07 19 00-0211	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	49.49	9.28
		For Work In Restricted Working Space, Add	*8.44*	
22 07 19 00-0212	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	50.63	9.36
		For Work In Restricted Working Space, Add	*8.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	54.32	9.74
		For Work In Restricted Working Space, Add	*8.85*	
22 07 19 00-0214	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	57.86	10.08
		For Work In Restricted Working Space, Add	*9.16*	
22 07 19 00-0215	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	65.46	10.43
		For Work In Restricted Working Space, Add	*9.48*	
22 07 19 00-0216	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	74.45	10.99
		For Work In Restricted Working Space, Add	*9.99*	
22 07 19 00-0217	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	81.65	12.50
		For Work In Restricted Working Space, Add	*11.36*	
22 07 19 00-0218	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	92.18	13.93
		For Work In Restricted Working Space, Add	*12.67*	
22 07 19 00-0219	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	109.81	16.08
		For Work In Restricted Working Space, Add	*14.61*	
22 07 19 00-0220	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	127.90	19.97
		For Work In Restricted Working Space, Add	*18.15*	
22 07 19 00-0221	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	137.05	21.79
		For Work In Restricted Working Space, Add	*19.82*	
22 07 19 00-0222	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	164.11	27.87
		For Work In Restricted Working Space, Add	*25.33*	
22 07 19 00-0223	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	175.53	29.26
		For Work In Restricted Working Space, Add	*26.60*	
22 07 19 00-0224	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	205.49	33.43
		For Work In Restricted Working Space, Add	*30.40*	
22 07 19 00-0225	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	251.07	40.40
		For Work In Restricted Working Space, Add	*36.72*	

22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0227	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	55.60	10.99
		For Work In Restricted Working Space, Add	*9.99*	
22 07 19 00-0228	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.73	10.99
		For Work In Restricted Working Space, Add	*9.99*	
22 07 19 00-0229	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	58.07	11.06
		For Work In Restricted Working Space, Add	*10.06*	
22 07 19 00-0230	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	59.41	11.13
		For Work In Restricted Working Space, Add	*10.12*	
22 07 19 00-0231	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	60.98	11.28
		For Work In Restricted Working Space, Add	*10.25*	
22 07 19 00-0232	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	66.91	11.67
		For Work In Restricted Working Space, Add	*10.60*	
22 07 19 00-0233	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	72.89	12.07
		For Work In Restricted Working Space, Add	*10.97*	
22 07 19 00-0234	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	76.93	12.50
		For Work In Restricted Working Space, Add	*11.36*	
22 07 19 00-0235	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	82.34	13.21
		For Work In Restricted Working Space, Add	*12.01*	
22 07 19 00-0236	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	94.74	15.00
		For Work In Restricted Working Space, Add	*13.63*	
22 07 19 00-0237	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	107.65	16.70
		For Work In Restricted Working Space, Add	*15.19*	
22 07 19 00-0238	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	128.58	19.28
		For Work In Restricted Working Space, Add	*17.52*	
22 07 19 00-0239	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	152.21	23.96
		For Work In Restricted Working Space, Add	*21.78*	
22 07 19 00-0240	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	159.06	26.16
		For Work In Restricted Working Space, Add	*23.78*	
22 07 19 00-0241	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	191.19	33.43
		For Work In Restricted Working Space, Add	*30.40*	
22 07 19 00-0242	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	209.74	35.12
		For Work In Restricted Working Space, Add	*31.92*	
22 07 19 00-0243	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	238.84	40.15
		For Work In Restricted Working Space, Add	*36.51*	
22 07 19 00-0244	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	293.09	48.48
		For Work In Restricted Working Space, Add	*44.08*	

22 07 19 00-0245 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0246	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	67.74	13.51
		For Work In Restricted Working Space, Add	*12.28*	
22 07 19 00-0247	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	69.19	13.51
		For Work In Restricted Working Space, Add	*12.28*	
22 07 19 00-0248	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	71.35	13.74
		For Work In Restricted Working Space, Add	*12.49*	
22 07 19 00-0249	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	73.28	13.91
		For Work In Restricted Working Space, Add	*12.64*	
22 07 19 00-0250	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	76.07	14.34
		For Work In Restricted Working Space, Add	*13.04*	
22 07 19 00-0251	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	82.02	14.77
		For Work In Restricted Working Space, Add	*13.44*	
22 07 19 00-0252	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	87.28	15.02
		For Work In Restricted Working Space, Add	*13.64*	
22 07 19 00-0253	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	91.59	15.56
		For Work In Restricted Working Space, Add	*14.15*	
22 07 19 00-0254	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	100.18	17.36
		For Work In Restricted Working Space, Add	*15.78*	
22 07 19 00-0255	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	115.57	18.64
		For Work In Restricted Working Space, Add	*16.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0256	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	130.30	20.21
		For Work In Restricted Working Space, Add	*18.37*	
22 07 19 00-0257	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	149.41	24.01
		For Work In Restricted Working Space, Add	*21.83*	
22 07 19 00-0258	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	174.95	29.82
		For Work In Restricted Working Space, Add	*27.10*	
22 07 19 00-0259	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	190.26	32.56
		For Work In Restricted Working Space, Add	*29.61*	
22 07 19 00-0260	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	226.50	41.64
		For Work In Restricted Working Space, Add	*37.86*	
22 07 19 00-0261	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	251.41	43.64
		For Work In Restricted Working Space, Add	*39.67*	
22 07 19 00-0262	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	282.05	49.94
		For Work In Restricted Working Space, Add	*45.41*	
22 07 19 00-0263	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	357.07	60.34
		For Work In Restricted Working Space, Add	*54.85*	

22 07 19 00-0264 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0265 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0266	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.92	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0267	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.93	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0268	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.29	4.37
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0269	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.66	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0270	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.99	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0271	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.38	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0272	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.53	4.66
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0273	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.95	4.66
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0274	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.80	4.80
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0275	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.17	4.88
		For Work In Restricted Working Space, Add	*2.95*	

22 07 19 00-0276 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0277	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.88	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0278	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.99	4.59
		For Work In Restricted Working Space, Add	*2.77*	
22 07 19 00-0279	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.15	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0280	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.34	4.69
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0281	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.82	4.80
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0282	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.23	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0283	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.68	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0284	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.23	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0285	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.22	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0286	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.21	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0287	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.14	5.31
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0288	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.71	5.39
		For Work In Restricted Working Space, Add	*3.24*	

22 07 19 00-0289 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0290	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.96	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0291	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.10	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0292	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.79	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0293	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.09	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0294	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.91	5.39
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0295	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.73	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0296	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.10	5.51
		For Work In Restricted Working Space, Add	*3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0297	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.59	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0298	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.67	5.69
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0299	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.81	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0300	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.28	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0301	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.91	5.91
		For Work In Restricted Working Space, Add	*3.55*	

22 07 19 00-0302 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0303	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.44	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0304	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.75	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0305	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.70	5.69
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0306	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.99	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0307	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.38	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0308	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.08	6.06
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0309	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.37	6.13
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0310	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.71	6.20
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0311	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.69	6.36
		For Work In Restricted Working Space, Add	*3.81*	
22 07 19 00-0312	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.52	6.43
		For Work In Restricted Working Space, Add	*3.86*	

22 07 19 00-0313 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0314 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0313)*

22 07 19 00-0315	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.05	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0316	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.15	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0317	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.50	4.37
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0318	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.70	4.44
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0319	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.92	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0320	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.18	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0321	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.43	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0322	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.63	4.66
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0323	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.81	4.66
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0324	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.01	4.73
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0325	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.31	4.80
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0326	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.54	4.80
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0327	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.72	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0328	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.96	4.88
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0329	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.46	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0330	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.07	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0331	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.72	5.05
		For Work In Restricted Working Space, Add	*3.04*	

22 07 19 00-0332 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0313)*

22 07 19 00-0333	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.10	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0334	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.22	4.59
		For Work In Restricted Working Space, Add	*2.77*	
22 07 19 00-0335	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.37	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0336	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.54	4.66
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0337	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.67	4.66
		For Work In Restricted Working Space, Add	*2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0338	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.04	4.80
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0339	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.38	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0340	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.68	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0341	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.96	4.99
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0342	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.20	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0343	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.07	5.11
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.60	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0345	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.98	5.22
		For Work In Restricted Working Space, Add	*3.13*	
22 07 19 00-0346	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.31	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0347	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.56	5.29
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0348	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.78	5.31
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0349	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.74	5.39
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0350	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.98	5.44
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0351	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.90	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0352	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.07	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0353	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.36	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0354		3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0313)*		
22 07 19 00-0355	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.41	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0356	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.68	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0357	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.14	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0358	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.36	5.22
		For Work In Restricted Working Space, Add	*3.13*	
22 07 19 00-0359	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.48	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0360	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.07	5.39
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0361	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.52	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0362	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.97	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0363	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.08	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0364	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.26	5.59
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0365	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.75	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.06	5.69
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0367	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.62	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0368	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.02	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0369	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.60	5.81
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0370	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.85	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0371	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.75	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0372	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.45	5.95
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0373	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.61	5.98
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0374	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.87	6.06
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0375	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.43	6.20
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0376		1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0313)*		
22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.14	5.46
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.48	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.95	5.69
		For Work In Restricted Working Space, Add	*3.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.27	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.56	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.11	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.93	6.06
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.34	6.06
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.86	6.13
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.06	6.20
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.17	6.29
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.04	6.36
		For Work In Restricted Working Space, Add	*3.81*	
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.10	6.40
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.43	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0391	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.00	6.47
		For Work In Restricted Working Space, Add	*3.88*	
22 07 19 00-0392	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.28	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0393	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.38	6.66
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0394	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.77	6.73
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0395	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.79	6.80
		For Work In Restricted Working Space, Add	*4.08*	
22 07 19 00-0396	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.00	6.95
		For Work In Restricted Working Space, Add	*4.17*	

22 07 19 00-0397 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0313)*

22 07 19 00-0398	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.52	6.12
		For Work In Restricted Working Space, Add	*3.67*	
22 07 19 00-0399	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.99	6.25
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0400	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.32	6.29
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0401	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.64	6.34
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0402	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.18	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0403	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.04	6.73
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0404	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.07	6.63
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0405	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.99	6.79
		For Work In Restricted Working Space, Add	*4.12*	
22 07 19 00-0406	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.57	6.95
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0407	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.26	7.04
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0408	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.86	7.12
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0409	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.61	7.15
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0410	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.36	7.16
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0411	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.23	7.20
		For Work In Restricted Working Space, Add	*4.32*	
22 07 19 00-0412	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.79	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0413	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.85	7.50
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0414	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.49	7.61
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0415	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.33	7.73
		For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0416	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.22	7.97
		For Work In Restricted Working Space, Add	*4.77*	

22 07 19 00-0417 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0313)*

22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.35	6.76
		For Work In Restricted Working Space, Add	*4.05*	
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.26	6.86
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.68	6.91
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.18	6.97
		For Work In Restricted Working Space, Add	*4.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.47	7.11
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.17	7.44
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.06	7.26
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.68	7.51
		For Work In Restricted Working Space, Add	*4.58*	
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.25	7.77
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.28	7.87
		For Work In Restricted Working Space, Add	*4.71*	
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.35	7.97
		For Work In Restricted Working Space, Add	*4.75*	
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.63	7.98
		For Work In Restricted Working Space, Add	*4.78*	
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.55	8.00
		For Work In Restricted Working Space, Add	*4.81*	
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.88	8.02
		For Work In Restricted Working Space, Add	*4.82*	
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.29	8.07
		For Work In Restricted Working Space, Add	*4.84*	
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	48.18	8.44
		For Work In Restricted Working Space, Add	*5.05*	
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	51.01	8.61
		For Work In Restricted Working Space, Add	*5.16*	
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	51.93	8.78
		For Work In Restricted Working Space, Add	*5.27*	
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	57.78	9.14
		For Work In Restricted Working Space, Add	*5.48*	

22 07 19 00-0437 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0438 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.99	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.08	4.21
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.41	4.37
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0442	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.81	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0443	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.05	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0444	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.47	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0445	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.76	4.66
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0446	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.98	4.80
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0447	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.97	4.80
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0448	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.83	4.88
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0449	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.01	5.02
		For Work In Restricted Working Space, Add	*3.01*	

22 07 19 00-0450 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

22 07 19 00-0451	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.03	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0452	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.12	4.59
		For Work In Restricted Working Space, Add	*2.77*	
22 07 19 00-0453	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.31	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0454	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.56	4.66
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0455	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.88	4.80
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0456	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.33	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0457	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.81	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0458	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.28	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0459	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.36	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0460	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.27	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0461	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.02	5.39
		For Work In Restricted Working Space, Add	*3.24*	

22 07 19 00-0462 3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0463	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.20	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0464	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.54	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0465	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.01	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0466	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.64	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0467	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.26	5.39
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0468	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.27	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0469	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.93	5.48
		For Work In Restricted Working Space, Add	*3.30*	
22 07 19 00-0470	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.68	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0471	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.15	5.69
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0472	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	18.46	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0473	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	20.97	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0474		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0437)*		
22 07 19 00-0475	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.20	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0476	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.41	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0477	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.86	5.69
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0478	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.77	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0479	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.54	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0480	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.34	6.06
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0481	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.09	6.06
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0482	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	18.76	6.20
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0483	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	21.00	6.36
		For Work In Restricted Working Space, Add	*3.81*	
22 07 19 00-0484	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.57	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0485		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)* Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0486		**3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0485)*		
22 07 19 00-0487	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.19	4.21
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0488	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.77	4.37
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0489	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.30	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0490	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.75	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0491	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.25	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0492	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.00	4.69
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0493	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.94	4.81
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0494	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	16.21	4.84
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0495	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	17.84	4.91
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0496		**1/2" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0485)*		
22 07 19 00-0497	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.73	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0498	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.29	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0499	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.70	4.66
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0500	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.32	4.80
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0501	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.83	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0502	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.59	4.95
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0503	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	16.03	5.02
		For Work In Restricted Working Space, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0504	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.44	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0505	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	20.00	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0506	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	23.17	5.31
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0507	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	24.65	5.39
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0508		**3/4" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0485)*		
22 07 19 00-0509	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.97	4.92
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0510	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.86	5.18
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0511	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.89	5.24
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0512	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.38	5.41
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0513	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	18.45	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0514	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	21.08	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0515	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	23.32	5.59
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0516	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	26.73	5.70
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0517	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	29.08	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0518	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	32.95	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0519	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	34.73	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0520		**1" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0485)*		
22 07 19 00-0521	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.51	5.48
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0522	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	19.46	5.70
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0523	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	21.49	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0524	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	23.91	5.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0525	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	26.13	6.06
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0526	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	27.78	6.13
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0527	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	31.10	6.20
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0528	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	39.09	6.36
		For Work In Restricted Working Space, Add	*3.81*	
22 07 19 00-0529	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	44.84	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0530	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	47.94	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0531	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	54.34	6.66
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0532		**Insulation Foam Rubber** *(22 07 19)*		
22 07 19 00-0533		**Covering 4x6 Sheet** *(22 07 19 00-0532)*		
22 07 19 00-0534	SF	1" Thick Foam Rubber Sheet Insulation	28.10	9.99
22 07 19 00-0535		**Insulation Protective Jacketing** *(22 07 19)*		
		Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.		
22 07 19 00-0536		**Aluminum Insulation Protective Jacketing With Bands** *(22 07 19 00-0535)*		
22 07 19 00-0537		**Aluminum Roll, Insulation Protective Jacketing With Bands** *(22 07 19 00-0536)*		
22 07 19 00-0538	SF	0.006" Aluminum Insulation Jacket With Bands	21.15	9.01
22 07 19 00-0539	SF	0.016" Aluminum Insulation Jacket With Bands	21.84	9.01
22 07 19 00-0540		**16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** *(22 07 19 00-0536)*		
22 07 19 00-0541	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.01	2.56
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0542	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.47	2.62
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0543	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.94	2.68
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0544	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.43	2.74
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0545	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.82	2.78
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0546	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.22	2.82
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0547	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.68	2.88
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0548	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.15	2.94
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0549	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.66	3.01
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0550	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.07	3.06
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0551	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.61	3.13
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0552	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.13	3.20
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0553	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.64	3.27
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0554	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.10	3.33
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0555	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.66	3.41
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0556	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.23	3.50
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0557	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.83	3.59
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0558	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.34	3.65
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0559	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.96	3.75
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0560	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.59	3.85
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0561	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.14	3.93
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0562	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.86	4.05
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0563	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.56	4.17
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0564	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.04	4.24
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0565	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.53	4.30
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0566	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.36	4.40
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0567	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.00	4.51
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0568	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.52	4.58
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0569	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.31	4.66
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0570	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.05	4.73
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0571	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.00	4.85
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0572	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.82	4.94
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0573	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.62	5.02
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	

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22 07 19 00-0574	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.45	5.11
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0575	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	31.48	5.26
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0576	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.36	5.37
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0577	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.23	5.47
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0578	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.35	5.63
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0579	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.02	5.69
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0580	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	36.19	5.75
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0581	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.59	5.86
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0582	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	38.77	5.93
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0583	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	40.19	6.05
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0584	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	41.08	6.12
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0585	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	42.85	6.25
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0586	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	44.06	6.32
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0587	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	45.55	6.47
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0588	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	46.76	6.55
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0589	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	48.33	6.70
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0590	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	49.56	6.78
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0591		20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0536)*		
22 07 19 00-0592	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.23	2.81
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0593	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.78	2.88
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0594	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.34	2.94
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0595	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.92	3.03
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0596	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.39	3.07
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0597	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.87	3.12
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0598	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.41	3.18
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0599	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.97	3.24
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0600	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.56	3.31
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0601	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.07	3.37
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0602	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.70	3.44
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0603	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.29	3.52
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0604	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.91	3.60
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0605	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.45	3.66
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0606	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.10	3.75
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0607	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.76	3.84
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0608	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.47	3.94
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0609	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.08	4.02
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0610	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.79	4.12
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0611	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.53	4.25
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0612	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.18	4.33
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0613	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.01	4.46
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0614	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.81	4.59
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0615	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.39	4.66
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0616	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.96	4.73
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0617	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	27.94	4.84
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0618	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.70	4.95
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0619	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	29.31	5.03
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0620	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	30.23	5.12
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0621	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.15	5.20
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0622	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	32.25	5.34
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0623	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	33.24	5.44
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0624	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	34.22	5.53
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0625	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	35.19	5.63
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0626	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	36.40	5.79
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0627	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	37.45	5.90
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0628	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	38.48	6.01
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0629	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	39.79	6.19
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0630	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	40.62	6.25
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0631	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	42.06	6.32
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0632	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	43.74	6.45
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0633	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	45.21	6.52
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0634	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	46.92	6.66
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0635	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	48.01	6.73
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0636	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	50.16	6.88
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0637	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	51.67	6.96
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0638	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	53.46	7.12
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0639	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	54.94	7.20
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0640	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	56.82	7.37
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0641	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	58.33	7.46
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	

22 07 19 00-0642 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0536)*

22 07 19 00-0643	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.45	3.07
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0644	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.08	3.15
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0645	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.73	3.22
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0646	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.38	3.30
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0647	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.92	3.35
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0648	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.47	3.40
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0649	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.10	3.46
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0650	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.74	3.54
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0651	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.43	3.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0652	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.00	3.67
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0653	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.72	3.75
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0654	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.41	3.84
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0655	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.11	3.92
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0656	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.74	3.99
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0657	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.47	4.09
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0658	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.22	4.20
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0659	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.04	4.31
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0660	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.72	4.39
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0661	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.53	4.51
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0662	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.37	4.63
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0663	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.11	4.72
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0664	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.03	4.86
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0665	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.97	5.00
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0666	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.60	5.08
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0667	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.26	5.15
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0668	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.39	5.27
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0669	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.24	5.41
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0670	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.95	5.50
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0671	LF	8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	34.02	5.59
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0672	LF	8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	35.06	5.68
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0673	LF	9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.35	5.82
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0674	LF	9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	37.49	5.93
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0675	LF	10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	38.60	6.03
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0676	LF	10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.74	6.14
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0677	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	41.11	6.31
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0678	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	42.33	6.43
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0679	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	43.52	6.56
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0680	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.00	6.76
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0681	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.96	6.83
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0682	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	47.66	6.89
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0683	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	49.63	7.04
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0684	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	51.34	7.11
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0685	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	53.35	7.26
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0686	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	54.61	7.34
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0687	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	57.11	7.50
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0688	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	58.88	7.59
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0689	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	60.96	7.77
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0690	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	62.71	7.86
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0691	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	64.88	8.04
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0692	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	66.65	8.14
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0693		**32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** *(22 07 19 00-0536)*		
22 07 19 00-0694	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.18	3.40
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0695	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.96	3.48
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0696	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.75	3.56
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0697	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.57	3.65
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0698	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.25	3.71
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0699	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.94	3.76
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0700	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.71	3.84
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0701	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.49	3.92
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0702	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.36	4.00
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0703	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.08	4.06
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0704	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.96	4.16
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0705	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.80	4.26
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0706	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	24.66	4.36
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0707	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.43	4.43
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0708	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	26.33	4.54
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0709	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.24	4.65
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0710	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.23	4.77
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0711	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	29.07	4.86
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0712	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	30.06	4.99
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0713	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.07	5.12
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0714	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.97	5.23
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0715	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	33.08	5.39
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0716	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.20	5.55
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0717	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.99	5.63
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0718	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	35.79	5.72
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0719	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	37.20	5.85
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0720	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	38.23	5.99
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0721	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	39.08	6.09
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0722	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	40.43	6.19
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0723	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	41.75	6.29
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0724	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	43.34	6.45
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0725	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	44.77	6.57
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0726	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	46.17	6.69
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0727	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	47.58	6.81
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0728	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	49.27	7.00
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0729	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	50.79	7.13
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0730	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.28	7.27
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0731	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	54.07	7.48
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0732	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	55.30	7.56
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0733	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	57.53	7.64
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0734	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	60.01	7.80
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.72*	
22 07 19 00-0735	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	62.27	7.88
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.77*	
22 07 19 00-0736	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	64.79	8.05
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0737	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	66.42	8.14
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0738	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	69.63	8.32
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.91*	
22 07 19 00-0739	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	71.92	8.41
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0740	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	74.55	8.60
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0741	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	76.81	8.70
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0742	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	79.55	8.92
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0743	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	81.84	9.02
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	

22 07 19 00-0744 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0536)*

22 07 19 00-0745	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	17.63	3.91
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0746	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	18.58	4.00
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0747	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.54	4.10
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0748	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.51	4.21
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0749	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.34	4.27
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0750	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.19	4.33
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0751	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.13	4.42
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0752	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.07	4.51
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0753	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.13	4.61
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0754	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.01	4.68
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0755	LF	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.07	4.78
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0756	LF	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	28.10	4.89
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0757	LF	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	29.13	5.00
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0758	LF	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	30.06	5.09
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0759	LF	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	31.14	5.22
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0760	LF	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	32.24	5.35
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0761	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	33.45	5.49
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0762	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	34.45	5.60
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0763	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	35.62	5.74
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0764	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	36.85	5.90
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0765	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	37.92	6.02
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0766	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	39.27	6.19
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0767	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	40.59	6.38
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0768	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	41.55	6.47
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0769	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	42.53	6.58
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0770	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	44.24	6.73
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0771	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	45.46	6.89
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0772	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	46.50	7.00
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0773	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	48.14	7.12
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0774	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	49.76	7.24
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0775	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	51.68	7.42
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0776	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	53.44	7.55
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0777	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	55.14	7.68
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0778	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	56.86	7.83
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0779	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	58.90	8.05
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0780	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	60.76	8.20
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0781	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	62.55	8.36
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0782	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	64.73	8.61
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0783	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	66.24	8.70
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0784	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	69.00	8.78
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0785	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	72.05	8.98
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.90*	
22 07 19 00-0786	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	74.84	9.07
		For Stucco Embossed, Add	*0.39*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0787	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	77.94	9.26
		For Stucco Embossed, Add	*0.41*	
		For Corrugated, Add	*1.02*	
22 07 19 00-0788	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	79.95	9.36
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.06*	
22 07 19 00-0789	LF	19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	83.91	9.57
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	
22 07 19 00-0790	LF	20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	86.75	9.68
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	
22 07 19 00-0791	LF	21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	89.95	9.90
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.26*	
22 07 19 00-0792	LF	22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	92.75	10.01
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0793	LF	23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	96.12	10.26
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0794	LF	24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	98.93	10.38
		For Stucco Embossed, Add	*0.57*	
		For Corrugated, Add	*1.44*	

22 07 19 00-0795 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0536)*

22 07 19 00-0796	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.63	4.02
22 07 19 00-0797	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.22	4.17
22 07 19 00-0798	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.85	4.33
22 07 19 00-0799	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.12	4.40
22 07 19 00-0800	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.40	4.47
22 07 19 00-0801	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.83	4.58
22 07 19 00-0802	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.51	4.69
22 07 19 00-0803	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.99	4.81
22 07 19 00-0804	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.20	4.89
22 07 19 00-0805	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.03	4.98
22 07 19 00-0806	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.46	5.11
22 07 19 00-0807	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.40	5.21
22 07 19 00-0808	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.79	5.31
22 07 19 00-0809	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.20	5.42
22 07 19 00-0810	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.25	5.52
22 07 19 00-0811	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.24	5.63
22 07 19 00-0812	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	56.51	5.80
22 07 19 00-0813	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	56.99	5.93
22 07 19 00-0814	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.88	6.12
22 07 19 00-0815	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	53.42	6.25
22 07 19 00-0816	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	60.08	6.47
22 07 19 00-0817	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	68.00	6.63
22 07 19 00-0818	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	68.32	6.70
22 07 19 00-0819	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.17	6.78
22 07 19 00-0820	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	72.98	6.87
22 07 19 00-0821	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	112.25	7.04
22 07 19 00-0822	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	112.96	7.22
22 07 19 00-0823	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	91.10	7.31
22 07 19 00-0824	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	91.49	7.40
22 07 19 00-0825	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	93.22	7.50
22 07 19 00-0826	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	93.63	7.60
22 07 19 00-0827	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	103.11	7.82
22 07 19 00-0828	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	103.56	7.93
22 07 19 00-0829	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	160.52	8.16
22 07 19 00-0830	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	160.99	8.28
22 07 19 00-0831	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	205.61	8.53
22 07 19 00-0832	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	214.46	8.79
22 07 19 00-0833	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	231.31	8.94
22 07 19 00-0834	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.87	4.47
22 07 19 00-0835	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.30	4.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0836	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.32	4.69
22 07 19 00-0837	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.80	4.81
22 07 19 00-0838	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	35.05	4.89
22 07 19 00-0839	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.40	4.98
22 07 19 00-0840	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.19	5.11
22 07 19 00-0841	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.79	5.21
22 07 19 00-0842	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.18	5.31
22 07 19 00-0843	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.59	5.42
22 07 19 00-0844	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.15	5.52
22 07 19 00-0845	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.59	5.63
22 07 19 00-0846	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	45.31	5.80
22 07 19 00-0847	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.57	6.12
22 07 19 00-0848	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	56.39	6.47
22 07 19 00-0849	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	57.00	6.63
22 07 19 00-0850	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	57.92	6.78
22 07 19 00-0851	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.25	6.87
22 07 19 00-0852	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	66.45	7.04
22 07 19 00-0853	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	67.16	7.22
22 07 19 00-0854	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	82.40	7.31
22 07 19 00-0855	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	82.79	7.40
22 07 19 00-0856	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.74	7.50
22 07 19 00-0857	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	80.15	7.60
22 07 19 00-0858	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	91.00	7.82
22 07 19 00-0859	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	91.45	7.93
22 07 19 00-0860	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	103.22	8.28
22 07 19 00-0861	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	120.15	8.53
22 07 19 00-0862	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	167.72	8.79
22 07 19 00-0863	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	179.43	8.94
22 07 19 00-0864	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	176.62	9.08
22 07 19 00-0865	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	196.94	9.23
22 07 19 00-0866	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	233.01	9.38
22 07 19 00-0867	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	227.22	9.54
22 07 19 00-0868	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	242.92	9.70
22 07 19 00-0869	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	107.98	6.39
22 07 19 00-0870	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	108.57	6.55
22 07 19 00-0871	EA	3" ID, Aluminum Tee Insulation Jacketing	119.89	6.70
22 07 19 00-0872	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	120.54	6.87
22 07 19 00-0873	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	125.69	7.04
22 07 19 00-0874	EA	4" ID, Aluminum Tee Insulation Jacketing	127.46	7.22
22 07 19 00-0875	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	133.91	7.40
22 07 19 00-0876	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	133.86	7.60
22 07 19 00-0877	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	134.70	7.82
22 07 19 00-0878	EA	5" ID, Aluminum Tee Insulation Jacketing	139.45	8.04
22 07 19 00-0879	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	140.40	8.28
22 07 19 00-0880	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	146.16	8.53
22 07 19 00-0881	EA	6" ID, Aluminum Tee Insulation Jacketing	147.22	8.79
22 07 19 00-0882	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	160.60	9.38
22 07 19 00-0883	EA	7" ID, Aluminum Tee Insulation Jacketing	161.89	9.70
22 07 19 00-0884	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	177.07	10.05
22 07 19 00-0885	EA	8" ID, Aluminum Tee Insulation Jacketing	178.56	10.43
22 07 19 00-0886	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	183.77	10.82
22 07 19 00-0887	EA	9" ID, Aluminum Tee Insulation Jacketing	185.50	11.26
22 07 19 00-0888	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	150.20	11.49
22 07 19 00-0889	EA	10" ID, Aluminum Tee Insulation Jacketing	151.16	11.73
22 07 19 00-0890	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	158.95	11.98
22 07 19 00-0891	EA	11" ID, Aluminum Tee Insulation Jacketing	160.00	12.23
22 07 19 00-0892	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	167.13	12.51
22 07 19 00-0893	EA	12" ID, Aluminum Tee Insulation Jacketing	168.27	12.80
22 07 19 00-0894	EA	13" ID, Aluminum Tee Insulation Jacketing	175.29	13.09
22 07 19 00-0895	EA	14" ID, Aluminum Tee Insulation Jacketing	182.57	13.40
22 07 19 00-0896	EA	15" ID, Aluminum Tee Insulation Jacketing	194.39	13.73
22 07 19 00-0897	EA	16" ID, Aluminum Tee Insulation Jacketing	199.27	14.07
22 07 19 00-0898	EA	17" ID, Aluminum Tee Insulation Jacketing	222.12	14.43
22 07 19 00-0899	EA	18" ID, Aluminum Tee Insulation Jacketing	230.03	14.82
22 07 19 00-0900	EA	19" ID, Aluminum Tee Insulation Jacketing	249.71	15.22
22 07 19 00-0901	EA	20" ID, Aluminum Tee Insulation Jacketing	255.53	15.63
22 07 19 00-0902	EA	22" ID, Aluminum Tee Insulation Jacketing	309.82	16.09
22 07 19 00-0903	EA	23" ID, Aluminum Tee Insulation Jacketing	318.55	16.56
22 07 19 00-0904	EA	24" ID, Aluminum Tee Insulation Jacketing	331.51	18.16
22 07 19 00-0905		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0535)*		
22 07 19 00-0906		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0905)*		
22 07 19 00-0907	SF	0.010" Stainless Steel Insulation Jacket With Bands	26.30	10.56
22 07 19 00-0908	SF	0.016" Stainless Steel Insulation Jacket With Bands	32.26	12.67
22 07 19 00-0909		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0905)*		
22 07 19 00-0910	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.18	2.25
22 07 19 00-0911	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.73	2.30
22 07 19 00-0912	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.28	2.35
22 07 19 00-0913	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.87	2.40
22 07 19 00-0914	LF	3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.44	2.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0915	LF	3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.02	2.50
22 07 19 00-0916	LF	4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.63	2.56
22 07 19 00-0917	LF	4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.23	2.62
22 07 19 00-0918	LF	4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.85	2.68
22 07 19 00-0919	LF	5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.14	2.81
22 07 19 00-0920	LF	5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.46	2.96
22 07 19 00-0921	LF	6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.86	3.13
22 07 19 00-0922	LF	6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	22.96	3.22
22 07 19 00-0923	LF	7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.08	3.31
22 07 19 00-0924	LF	7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.30	3.43
22 07 19 00-0925	LF	8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	26.30	3.50
22 07 19 00-0926	LF	8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.30	3.56
22 07 19 00-0927	LF	9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.32	3.63
22 07 19 00-0928	LF	9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.35	3.70
22 07 19 00-0929	LF	10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	30.38	3.78
22 07 19 00-0930	LF	10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	31.44	3.85
22 07 19 00-0931	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	32.50	3.93
22 07 19 00-0932	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	34.67	4.10
22 07 19 00-0933	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	36.77	4.27
22 07 19 00-0934	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	38.51	4.33
22 07 19 00-0935		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0905)*		
22 07 19 00-0936	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.02	3.00
22 07 19 00-0937	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.80	3.06
22 07 19 00-0938	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.59	3.12
22 07 19 00-0939	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.41	3.19
22 07 19 00-0940	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.22	3.26
22 07 19 00-0941	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.04	3.33
22 07 19 00-0942	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.88	3.40
22 07 19 00-0943	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.73	3.48
22 07 19 00-0944	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.59	3.56
22 07 19 00-0945	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.40	3.74
22 07 19 00-0946	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.25	3.94
22 07 19 00-0947	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.20	4.16
22 07 19 00-0948	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	31.73	4.28
22 07 19 00-0949	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.33	4.41
22 07 19 00-0950	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	35.04	4.57
22 07 19 00-0951	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	36.45	4.65
22 07 19 00-0952	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	37.87	4.74
22 07 19 00-0953	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	39.32	4.83
22 07 19 00-0954	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	40.77	4.92
22 07 19 00-0955	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	42.24	5.02
22 07 19 00-0956	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	43.74	5.12
22 07 19 00-0957	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	45.25	5.23
22 07 19 00-0958	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	48.28	5.47
22 07 19 00-0959	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	51.27	5.67
22 07 19 00-0960	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	53.75	5.76
22 07 19 00-0961		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0905)*		
22 07 19 00-0962	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.27	4.47
22 07 19 00-0963	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.70	4.58
22 07 19 00-0964	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.00	4.69
22 07 19 00-0965	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.48	4.81
22 07 19 00-0966	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.80	4.89
22 07 19 00-0967	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.29	4.98
22 07 19 00-0968	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	43.95	5.11
22 07 19 00-0969	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	52.06	5.21
22 07 19 00-0970	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	52.45	5.31
22 07 19 00-0971	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.02	5.52
22 07 19 00-0972	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	70.82	5.80
22 07 19 00-0973	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	76.74	6.12
22 07 19 00-0974	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	97.81	6.47
22 07 19 00-0975	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	98.42	6.63
22 07 19 00-0976	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	111.12	6.78
22 07 19 00-0977	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	112.14	7.04
22 07 19 00-0978	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.99	7.04
22 07 19 00-0979	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	160.95	7.22
22 07 19 00-0980	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	159.03	7.31
22 07 19 00-0981	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	159.42	7.40
22 07 19 00-0982	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	185.31	7.50
22 07 19 00-0983	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	178.67	7.60
22 07 19 00-0984	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	200.02	7.93
22 07 19 00-0985	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	266.28	8.28
22 07 19 00-0986	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	268.86	8.53
22 07 19 00-0987	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.21	4.47
22 07 19 00-0988	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.64	4.58
22 07 19 00-0989	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.27	4.69
22 07 19 00-0990	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.75	4.81
22 07 19 00-0991	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	36.29	4.89
22 07 19 00-0992	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.64	4.98
22 07 19 00-0993	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.95	5.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0994	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.00	5.21
22 07 19 00-0995	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.39	5.31
22 07 19 00-0996	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.80	5.42
22 07 19 00-0997	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.75	5.52
22 07 19 00-0998	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.89	5.80
22 07 19 00-0999	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	60.86	6.12
22 07 19 00-1000	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	62.26	6.47
22 07 19 00-1001	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	88.05	6.63
22 07 19 00-1002	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.96	6.78
22 07 19 00-1003	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	90.29	6.87
22 07 19 00-1004	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	101.67	7.04
22 07 19 00-1005	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	102.38	7.22
22 07 19 00-1006	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.55	7.31
22 07 19 00-1007	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.94	7.40
22 07 19 00-1008	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	133.75	7.50
22 07 19 00-1009	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	134.16	7.60
22 07 19 00-1010	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	144.37	7.93
22 07 19 00-1011	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	165.67	8.28

22 07 19 00-1012 Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0535)*

22 07 19 00-1013 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1012)*

22 07 19 00-1014	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.55	2.09
22 07 19 00-1015	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.27	2.17
22 07 19 00-1016	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.93	2.25
22 07 19 00-1017	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.70	2.35
22 07 19 00-1018	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.41	2.45
22 07 19 00-1019	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.21	2.56
22 07 19 00-1020	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.05	2.68
22 07 19 00-1021	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.89	2.81
22 07 19 00-1022	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.83	2.96
22 07 19 00-1023	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.84	3.13
22 07 19 00-1024	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.56	3.22
22 07 19 00-1025	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.23	3.31
22 07 19 00-1026	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.12	3.43
22 07 19 00-1027	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.68	3.50
22 07 19 00-1028	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.30	3.56
22 07 19 00-1029	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.92	3.63
22 07 19 00-1030	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.57	3.70
22 07 19 00-1031	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.17	3.78
22 07 19 00-1032	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.83	3.85
22 07 19 00-1033	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.50	3.93
22 07 19 00-1034	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.20	4.02
22 07 19 00-1035	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.86	4.10
22 07 19 00-1036	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.62	4.21
22 07 19 00-1037	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.17	4.27
22 07 19 00-1038	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.52	4.27
22 07 19 00-1039	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.15	4.33
22 07 19 00-1040	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.12	4.40
22 07 19 00-1041	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.06	4.47
22 07 19 00-1042	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.04	4.54
22 07 19 00-1043	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.06	4.62
22 07 19 00-1044	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	32.01	4.69
22 07 19 00-1045	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.04	4.77
22 07 19 00-1046	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.02	4.85
22 07 19 00-1047	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.07	4.94
22 07 19 00-1048	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.08	5.02
22 07 19 00-1049	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.15	5.11
22 07 19 00-1050	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.24	5.21
22 07 19 00-1051	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.28	5.31
22 07 19 00-1052	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.40	5.42
22 07 19 00-1053	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.48	5.52
22 07 19 00-1054	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.63	5.63
22 07 19 00-1055	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	43.78	5.75

22 07 19 00-1056 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1012)*

22 07 19 00-1057	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.03	2.17
22 07 19 00-1058	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.88	2.25
22 07 19 00-1059	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.81	2.35
22 07 19 00-1060	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.67	2.45
22 07 19 00-1061	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.62	2.56
22 07 19 00-1062	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.61	2.68
22 07 19 00-1063	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.65	2.81
22 07 19 00-1064	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.75	2.96
22 07 19 00-1065	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.91	3.13
22 07 19 00-1066	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.77	3.22
22 07 19 00-1067	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.65	3.31
22 07 19 00-1068	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.69	3.43
22 07 19 00-1069	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.46	3.50
22 07 19 00-1070	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.22	3.56
22 07 19 00-1071	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.99	3.63
22 07 19 00-1072	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.80	3.70
22 07 19 00-1073	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.59	3.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1074	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.41	3.85
22 07 19 00-1075	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.23	3.93
22 07 19 00-1076	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.08	4.02
22 07 19 00-1077	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.94	4.10
22 07 19 00-1078	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.85	4.21
22 07 19 00-1079	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.61	4.27
22 07 19 00-1080	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.11	4.27
22 07 19 00-1081	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.88	4.33
22 07 19 00-1082	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.16	4.40
22 07 19 00-1083	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.45	4.47
22 07 19 00-1084	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.74	4.54
22 07 19 00-1085	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.11	4.62
22 07 19 00-1086	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.41	4.69
22 07 19 00-1087	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.74	4.77
22 07 19 00-1088	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.08	4.85
22 07 19 00-1089	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.43	4.94
22 07 19 00-1090	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	43.79	5.02
22 07 19 00-1091	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	45.16	5.11
22 07 19 00-1092	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	46.60	5.21
22 07 19 00-1093	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	48.00	5.31
22 07 19 00-1094	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	49.42	5.42
22 07 19 00-1095	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	50.86	5.52
22 07 19 00-1096	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	52.30	5.63
22 07 19 00-1097	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	53.76	5.75

22 07 19 00-1098 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-1012)*

22 07 19 00-1099	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.45	4.17
22 07 19 00-1100	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.75	4.33
22 07 19 00-1101	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.42	4.40
22 07 19 00-1102	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.10	4.47
22 07 19 00-1103	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.89	4.58
22 07 19 00-1104	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.60	4.69
22 07 19 00-1105	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.90	4.85
22 07 19 00-1106	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.08	4.98
22 07 19 00-1107	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.23	5.11
22 07 19 00-1108	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.81	5.37
22 07 19 00-1109	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.46	5.63
22 07 19 00-1110	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.11	5.93
22 07 19 00-1111	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	49.06	6.25
22 07 19 00-1112	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	51.18	6.47
22 07 19 00-1113	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	58.19	6.63
22 07 19 00-1114	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	60.39	6.78
22 07 19 00-1115	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	70.94	7.04
22 07 19 00-1116	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	86.39	7.31
22 07 19 00-1117	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	94.23	7.60
22 07 19 00-1118	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	104.84	7.93
22 07 19 00-1119	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	125.44	8.28
22 07 19 00-1120	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	139.65	8.53
22 07 19 00-1121	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	148.57	8.79
22 07 19 00-1122	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	159.51	8.94
22 07 19 00-1123	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	173.65	9.08
22 07 19 00-1124	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	214.05	9.23
22 07 19 00-1125	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	278.02	9.38
22 07 19 00-1126	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	347.24	9.54
22 07 19 00-1127	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.45	4.17
22 07 19 00-1128	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.75	4.33
22 07 19 00-1129	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.42	4.40
22 07 19 00-1130	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.10	4.47
22 07 19 00-1131	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.89	4.58
22 07 19 00-1132	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.60	4.69
22 07 19 00-1133	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.90	4.85
22 07 19 00-1134	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.08	4.98
22 07 19 00-1135	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.23	5.11
22 07 19 00-1136	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	30.81	5.37
22 07 19 00-1137	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.46	5.63
22 07 19 00-1138	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	38.11	5.93
22 07 19 00-1139	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	49.06	6.25
22 07 19 00-1140	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	51.18	6.47
22 07 19 00-1141	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	58.19	6.63
22 07 19 00-1142	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	60.39	6.78
22 07 19 00-1143	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	70.94	7.04
22 07 19 00-1144	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	86.39	7.31
22 07 19 00-1145	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	94.18	7.60
22 07 19 00-1146	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	102.02	7.93
22 07 19 00-1147	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	111.58	8.28
22 07 19 00-1148	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	123.77	8.53
22 07 19 00-1149	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	131.39	8.79
22 07 19 00-1150	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	145.60	8.94
22 07 19 00-1151	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	160.04	9.08
22 07 19 00-1152	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	188.10	9.23
22 07 19 00-1153	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	243.75	9.38
22 07 19 00-1154	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	271.75	9.54
22 07 19 00-1155	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.70	5.86
22 07 19 00-1156	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.90	5.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1157	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.19	6.18
22 07 19 00-1158	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.65	6.39
22 07 19 00-1159	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.25	6.63
22 07 19 00-1160	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.88	6.87
22 07 19 00-1161	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	38.18	7.13
22 07 19 00-1162	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.62	7.40
22 07 19 00-1163	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	43.84	7.72
22 07 19 00-1164	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	48.34	8.04
22 07 19 00-1165	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	53.05	8.40
22 07 19 00-1166	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	61.59	8.94
22 07 19 00-1167	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	71.50	9.38
22 07 19 00-1168	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	80.19	9.54
22 07 19 00-1169	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	107.43	9.87
22 07 19 00-1170	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	116.19	10.43
22 07 19 00-1171	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	133.91	10.82
22 07 19 00-1172	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	151.87	11.26
22 07 19 00-1173	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	155.01	11.73
22 07 19 00-1174	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	167.99	11.98
22 07 19 00-1175	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	181.04	12.23
22 07 19 00-1176	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	194.21	12.51
22 07 19 00-1177	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	207.30	12.80
22 07 19 00-1178	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	220.53	13.09
22 07 19 00-1179	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	233.67	13.40
22 07 19 00-1180	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	253.12	13.73
22 07 19 00-1181	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	272.55	14.07
22 07 19 00-1182	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	296.01	14.43
22 07 19 00-1183	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.01	4.02
22 07 19 00-1184	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.01	4.02
22 07 19 00-1185	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	44.45	4.17
22 07 19 00-1186	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	44.45	4.17
22 07 19 00-1187	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	61.11	4.33
22 07 19 00-1188	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	66.64	4.51
22 07 19 00-1189	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	73.24	4.69
22 07 19 00-1190	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	82.63	4.89
22 07 19 00-1191	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	90.72	5.11
22 07 19 00-1192	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	109.86	5.63
22 07 19 00-1193	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	154.03	6.25
22 07 19 00-1194	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	168.65	7.04
22 07 19 00-1195	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	209.78	7.50
22 07 19 00-1196	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	291.64	8.28
22 07 19 00-1197	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	293.62	8.66
22 07 19 00-1198	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	387.96	8.94
22 07 19 00-1199	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	521.32	9.23
22 07 19 00-1200	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	35.59	4.02
22 07 19 00-1201	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	35.59	4.02
22 07 19 00-1202	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	41.53	4.17
22 07 19 00-1203	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	41.53	4.17
22 07 19 00-1204	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	56.33	4.33
22 07 19 00-1205	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	61.30	4.51
22 07 19 00-1206	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	67.39	4.69
22 07 19 00-1207	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	70.88	4.89
22 07 19 00-1208	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	82.96	5.11
22 07 19 00-1209	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	100.23	5.63
22 07 19 00-1210	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	139.87	6.25
22 07 19 00-1211	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	153.13	7.04
22 07 19 00-1212	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	190.03	7.50
22 07 19 00-1213	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	263.37	8.28
22 07 19 00-1214	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	334.14	8.66
22 07 19 00-1215	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	398.59	8.94
22 07 19 00-1216	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	465.18	9.23
22 07 19 00-1217	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.78	6.05
22 07 19 00-1218	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.78	6.05
22 07 19 00-1219	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	61.10	6.25
22 07 19 00-1220	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	61.10	6.25
22 07 19 00-1221	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	82.78	6.47
22 07 19 00-1222	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	90.11	6.70
22 07 19 00-1223	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	98.96	7.04
22 07 19 00-1224	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	104.28	7.31
22 07 19 00-1225	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	122.46	7.72
22 07 19 00-1226	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	134.54	8.40
22 07 19 00-1227	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	186.85	9.38
22 07 19 00-1228	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	203.57	10.43
22 07 19 00-1229	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	278.77	11.26
22 07 19 00-1230	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	384.94	12.23
22 07 19 00-1231	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	458.20	13.09
22 07 19 00-1232	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	540.44	13.40
22 07 19 00-1233	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	591.22	13.73

22 10 Plumbing Piping *(22)*

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

See CSI section 23 21 13 00-0000 for black steel piping and fitting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0001		**Galvanized Steel Pipe Assemblies** *(22 11 16)* Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.		
22 11 16 00-0002	LF	1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.25	5.77
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.13*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*5.74*	
22 11 16 00-0003	LF	3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.49	6.20
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.86*	
		For ASTM 120, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*6.07*	
22 11 16 00-0004	LF	1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.88	6.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.04*	
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*6.49*	
22 11 16 00-0005	LF	1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	34.68	7.07
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.86*	
		For ASTM 120, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0006	LF	1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	37.21	8.36
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.76*	
		For ASTM 120, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*7.19*	
22 11 16 00-0007	LF	2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	44.55	10.09
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*13.23*	
		For ASTM 120, Deduct	*-2.59*	
		For Work In Restricted Working Space, Add	*8.18*	
22 11 16 00-0008	LF	2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	62.01	11.97
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*19.92*	
		For ASTM 120, Deduct	*-4.51*	
		For Work In Restricted Working Space, Add	*9.59*	
22 11 16 00-0009	LF	3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	76.87	16.00
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*24.91*	
		For ASTM 120, Deduct	*-5.72*	
		For Work In Restricted Working Space, Add	*11.61*	
22 11 16 00-0010	LF	4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	109.72	18.52
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*38.56*	
		For ASTM 120, Deduct	*-9.97*	
		For Work In Restricted Working Space, Add	*12.98*	
22 11 16 00-0011	LF	5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	189.30	23.66
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*72.12*	
		For ASTM 120, Deduct	*-20.56*	
		For Work In Restricted Working Space, Add	*15.68*	
22 11 16 00-0012	LF	6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	211.64	27.98
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*80.39*	
		For ASTM 120, Deduct	*-22.84*	
		For Work In Restricted Working Space, Add	*17.81*	
22 11 16 00-0013		**Galvanized Steel Pipe And Threaded Fittings** *(22 11 16)* Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014		**Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe** *(22 11 16 00-0013)* Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.68	5.77
		For Schedule 80 Pipe, Add	*2.29*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*2.62*	
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	13.20	6.20
		For Schedule 80 Pipe, Add	*2.80*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*2.79*	
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	15.86	6.78
		For Schedule 80 Pipe, Add	*3.78*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	18.51	7.07
		For Schedule 80 Pipe, Add	*4.83*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	21.89	8.36
		For Schedule 80 Pipe, Add	*5.75*	
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*3.76*	
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	27.74	10.09
		For Schedule 80 Pipe, Add	*7.55*	
		For ASTM 120, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	37.95	11.97
		For Schedule 80 Pipe, Add	*11.37*	
		For ASTM 120, Deduct	*-2.99*	
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	50.13	16.00
		For Schedule 80 Pipe, Add	*14.93*	
		For ASTM 120, Deduct	*-3.92*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	64.99	18.52
		For Schedule 80 Pipe, Add	*20.62*	
		For ASTM 120, Deduct	*-5.57*	
		For Work In Restricted Working Space, Add	*8.35*	
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	85.26	23.66
		For Schedule 80 Pipe, Add	*27.46*	
		For ASTM 120, Deduct	*-7.47*	
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	106.55	27.98
		For Schedule 80 Pipe, Add	*35.21*	
		For ASTM 120, Deduct	*-9.69*	
		For Work In Restricted Working Space, Add	*12.58*	
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	120.44	33.84
		For Schedule 80 Pipe, Add	*38.58*	
		For ASTM 120, Deduct	*-10.47*	
		For Work In Restricted Working Space, Add	*15.19*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	15.67	5.77
		For Schedule 80 Pipe, Add	*4.20*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*2.62*	
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	17.61	6.20
		For Schedule 80 Pipe, Add	*4.92*	
		For ASTM 120, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*2.79*	
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	19.74	6.78
		For Schedule 80 Pipe, Add	*5.64*	
		For ASTM 120, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	22.81	7.07
		For Schedule 80 Pipe, Add	*6.89*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	26.38	8.36
		For Schedule 80 Pipe, Add	*7.90*	
		For ASTM 120, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*3.76*	
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	30.95	10.09
		For Schedule 80 Pipe, Add	*9.09*	
		For ASTM 120, Deduct	*-2.37*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	44.43	11.97
		For Schedule 80 Pipe, Add	*14.48*	
		For ASTM 120, Deduct	*-3.96*	
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	56.32	16.00
		For Schedule 80 Pipe, Add	*17.90*	
		For ASTM 120, Deduct	*-4.84*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	74.00	18.52
		For Schedule 80 Pipe, Add	*24.94*	
		For ASTM 120, Deduct	*-6.92*	
		For Work In Restricted Working Space, Add	*8.35*	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	95.70	23.66
		For Schedule 80 Pipe, Add	*32.47*	
		For ASTM 120, Deduct	*-9.04*	
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	119.00	27.98
		For Schedule 80 Pipe, Add	*41.19*	
		For ASTM 120, Deduct	*-11.56*	
		For Work In Restricted Working Space, Add	*12.58*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	42.29	25.66
		For 300 Lb. Rating, Add	*15.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	47.75	28.69
		For 300 Lb. Rating, Add	*18.63*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*12.91*	
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	56.80	32.00
		For 300 Lb. Rating, Add	*32.63*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	68.23	36.33
		For 300 Lb. Rating, Add	*50.29*	
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*16.32*	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	79.40	40.94
		For 300 Lb. Rating, Add	*65.05*	
		For ASTM 120, Deduct	*-2.71*	
		For Work In Restricted Working Space, Add	*18.41*	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	107.48	52.04
		For 300 Lb. Rating, Add	*105.18*	
		For ASTM 120, Deduct	*-4.43*	
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	192.68	76.99
		For 300 Lb. Rating, Add	*269.91*	
		For ASTM 120, Deduct	*-11.60*	
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	279.28	101.20
		For 300 Lb. Rating, Add	*442.71*	
		For ASTM 120, Deduct	*-19.13*	
		For Work In Restricted Working Space, Add	*45.53*	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	387.36	108.32
		For 300 Lb. Rating, Add	*774.51*	
		For ASTM 120, Deduct	*-33.74*	
		For Work In Restricted Working Space, Add	*48.73*	
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,140.85	113.05
		For 300 Lb. Rating, Add	*3,312.79*	
		For ASTM 120, Deduct	*-145.70*	
		For Work In Restricted Working Space, Add	*50.85*	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,072.68	118.20
		For 300 Lb. Rating, Add	*3,055.30*	
		For ASTM 120, Deduct	*-134.32*	
		For Work In Restricted Working Space, Add	*53.16*	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,265.53	123.51
		For 300 Lb. Rating, Add	*3,684.30*	
		For ASTM 120, Deduct	*-162.05*	
		For Work In Restricted Working Space, Add	*55.55*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	48.95	27.10
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*12.22*	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	56.08	30.42
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*13.66*	
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	54.43	28.83
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*12.98*	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	68.91	34.17
		For ASTM 120, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*15.37*	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	69.96	32.43
		For ASTM 120, Deduct	*-3.19*	
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	68.92	30.99
		For ASTM 120, Deduct	*-3.38*	
		For Work In Restricted Working Space, Add	*13.93*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	86.12	38.63
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*17.36*	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	82.94	36.48
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*16.41*	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	80.43	34.74
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	102.65	46.42
		For ASTM 120, Deduct	*-4.95*	
		For Work In Restricted Working Space, Add	*20.89*	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	104.00	44.12
		For ASTM 120, Deduct	*-5.68*	
		For Work In Restricted Working Space, Add	*19.85*	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	102.24	41.95
		For ASTM 120, Deduct	*-5.89*	
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	90.27	40.37
		For ASTM 120, Deduct	*-4.47*	
		For Work In Restricted Working Space, Add	*18.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	208.51	64.44
		For ASTM 120, Deduct	*-16.78*	
		For Work In Restricted Working Space, Add	*28.99*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	213.00	58.96
		For ASTM 120, Deduct	*-18.70*	
		For Work In Restricted Working Space, Add	*26.51*	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	336.88	89.09
		For ASTM 120, Deduct	*-30.50*	
		For Work In Restricted Working Space, Add	*40.06*	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	291.46	76.55
		For ASTM 120, Deduct	*-26.49*	
		For Work In Restricted Working Space, Add	*34.45*	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	614.65	103.03
		For ASTM 120, Deduct	*-69.02*	
		For Work In Restricted Working Space, Add	*46.35*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	43.25	25.66
		For 300 Lb. Rating, Add	*18.66*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	49.95	28.69
		For 300 Lb. Rating, Add	*26.11*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*12.91*	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	55.85	32.00
		For 300 Lb. Rating, Add	*29.40*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	68.98	36.33
		For 300 Lb. Rating, Add	*52.84*	
		For ASTM 120, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*16.32*	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	78.48	40.94
		For 300 Lb. Rating, Add	*61.92*	
		For ASTM 120, Deduct	*-2.57*	
		For Work In Restricted Working Space, Add	*18.41*	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	103.27	52.04
		For 300 Lb. Rating, Add	*90.87*	
		For ASTM 120, Deduct	*-3.80*	
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	203.53	76.99
		For 300 Lb. Rating, Add	*306.80*	
		For ASTM 120, Deduct	*-13.23*	
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	280.03	101.20
		For 300 Lb. Rating, Add	*445.26*	
		For ASTM 120, Deduct	*-19.24*	
		For Work In Restricted Working Space, Add	*45.53*	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	377.49	108.32
		For 300 Lb. Rating, Add	*740.95*	
		For ASTM 120, Deduct	*-32.26*	
		For Work In Restricted Working Space, Add	*48.73*	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,038.50	113.05
		For 300 Lb. Rating, Add	*2,964.80*	
		For ASTM 120, Deduct	*-130.35*	
		For Work In Restricted Working Space, Add	*50.85*	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,225.01	118.20
		For 300 Lb. Rating, Add	*3,573.22*	
		For ASTM 120, Deduct	*-157.17*	
		For Work In Restricted Working Space, Add	*53.16*	
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,447.50	123.51
		For 300 Lb. Rating, Add	*4,303.00*	
		For ASTM 120, Deduct	*-189.35*	
		For Work In Restricted Working Space, Add	*55.55*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	53.03	32.00
		For 300 Lb. Rating, Add	*19.82*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	63.67	37.05
		For 300 Lb. Rating, Add	*31.28*	
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*16.64*	
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	78.82	43.68
		For 300 Lb. Rating, Add	*49.12*	
		For ASTM 120, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*19.66*	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	99.01	52.04
		For 300 Lb. Rating, Add	*76.38*	
		For ASTM 120, Deduct	*-3.16*	
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	119.22	61.99
		For 300 Lb. Rating, Add	*94.69*	
		For ASTM 120, Deduct	*-3.93*	
		For Work In Restricted Working Space, Add	*27.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	157.94	76.99
		For 300 Lb. Rating, Add	*151.79*	
		For ASTM 120, Deduct	*-6.39*	
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	245.31	83.62
		For 300 Lb. Rating, Add	*415.35*	
		For ASTM 120, Deduct	*-17.99*	
		For Work In Restricted Working Space, Add	*37.61*	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	292.42	101.20
		For 300 Lb. Rating, Add	*487.38*	
		For ASTM 120, Deduct	*-21.10*	
		For Work In Restricted Working Space, Add	*45.53*	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	537.95	136.86
		For 300 Lb. Rating, Add	*1,143.73*	
		For ASTM 120, Deduct	*-49.92*	
		For Work In Restricted Working Space, Add	*61.55*	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,289.68	162.48
		For 300 Lb. Rating, Add	*3,571.12*	
		For ASTM 120, Deduct	*-156.90*	
		For Work In Restricted Working Space, Add	*73.10*	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,464.89	185.73
		For 300 Lb. Rating, Add	*4,050.60*	
		For ASTM 120, Deduct	*-177.97*	
		For Work In Restricted Working Space, Add	*83.54*	
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,743.86	220.54
		For 300 Lb. Rating, Add	*4,813.06*	
		For ASTM 120, Deduct	*-211.46*	
		For Work In Restricted Working Space, Add	*100.25*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	59.63	32.00
		For 300 Lb. Rating, Add	*42.26*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	66.87	37.05
		For 300 Lb. Rating, Add	*42.16*	
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*16.64*	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	81.58	43.68
		For 300 Lb. Rating, Add	*58.50*	
		For ASTM 120, Deduct	*-2.41*	
		For Work In Restricted Working Space, Add	*19.66*	
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	102.81	52.04
		For 300 Lb. Rating, Add	*89.30*	
		For ASTM 120, Deduct	*-3.73*	
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	123.75	61.99
		For 300 Lb. Rating, Add	*110.10*	
		For ASTM 120, Deduct	*-4.61*	
		For Work In Restricted Working Space, Add	*27.90*	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	160.22	76.99
		For 300 Lb. Rating, Add	*159.55*	
		For ASTM 120, Deduct	*-6.73*	
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	284.29	83.90
		For 300 Lb. Rating, Add	*546.58*	
		For ASTM 120, Deduct	*-23.78*	
		For Work In Restricted Working Space, Add	*37.73*	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	359.77	102.78
		For 300 Lb. Rating, Add	*708.36*	
		For ASTM 120, Deduct	*-30.84*	
		For Work In Restricted Working Space, Add	*46.25*	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	801.23	136.86
		For 300 Lb. Rating, Add	*2,038.88*	
		For ASTM 120, Deduct	*-89.41*	
		For Work In Restricted Working Space, Add	*61.55*	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,625.48	162.48
		For 300 Lb. Rating, Add	*4,712.84*	
		For ASTM 120, Deduct	*-207.27*	
		For Work In Restricted Working Space, Add	*73.10*	
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,846.55	185.73
		For 300 Lb. Rating, Add	*5,348.25*	
		For ASTM 120, Deduct	*-235.22*	
		For Work In Restricted Working Space, Add	*83.54*	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	2,210.95	213.27
		For 300 Lb. Rating, Add	*6,447.70*	
		For ASTM 120, Deduct	*-283.61*	
		For Work In Restricted Working Space, Add	*96.07*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	47.68	25.66
		For 300 Lb. Rating, Add	*33.72*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	53.68	28.69
		For 300 Lb. Rating, Add	*38.79*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*12.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	65.50	32.00
		For 300 Lb. Rating, Add	*62.21*	
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	79.02	36.33
		For 300 Lb. Rating, Add	*86.97*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*16.32*	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	89.33	40.94
		For 300 Lb. Rating, Add	*98.81*	
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*18.41*	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	118.83	52.04
		For 300 Lb. Rating, Add	*143.77*	
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	240.56	76.99
		For 300 Lb. Rating, Add	*432.70*	
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	319.13	101.20
		For 300 Lb. Rating, Add	*578.20*	
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*45.53*	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	517.91	108.32
		For 300 Lb. Rating, Add	*1,218.38*	
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*48.73*	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,170.43	113.05
		For 300 Lb. Rating, Add	*3,413.37*	
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*50.85*	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,317.53	118.20
		For 300 Lb. Rating, Add	*3,887.79*	
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*53.16*	
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,559.53	123.51
		For 300 Lb. Rating, Add	*4,683.90*	
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*55.55*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	49.65	25.66
		For 300 Lb. Rating, Add	*40.42*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	55.02	28.69
		For 300 Lb. Rating, Add	*43.35*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*12.91*	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	68.03	32.00
		For 300 Lb. Rating, Add	*70.82*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	80.23	36.33
		For 300 Lb. Rating, Add	*91.09*	
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*16.32*	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	94.67	40.94
		For 300 Lb. Rating, Add	*116.97*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*18.41*	
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	123.37	52.04
		For 300 Lb. Rating, Add	*159.21*	
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	242.15	76.99
		For 300 Lb. Rating, Add	*438.11*	
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	314.38	101.20
		For 300 Lb. Rating, Add	*562.05*	
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*45.53*	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	527.06	108.32
		For 300 Lb. Rating, Add	*1,249.49*	
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*48.73*	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,223.12	113.05
		For 300 Lb. Rating, Add	*3,592.51*	
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*50.85*	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,377.55	118.20
		For 300 Lb. Rating, Add	*4,091.86*	
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*53.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,632.40	123.51
		For 300 Lb. Rating, Add	*4,931.66*	
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*55.55*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	20.11	11.97
		For 300 Lb. Rating, Add	*8.19*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.12	12.83
		For 300 Lb. Rating, Add	*10.98*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*5.77*	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	25.77	14.85
		For 300 Lb. Rating, Add	*13.54*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	27.97	15.57
		For 300 Lb. Rating, Add	*17.44*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*6.98*	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	27.67	15.57
		For 300 Lb. Rating, Add	*16.42*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*6.98*	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	40.46	20.62
		For 300 Lb. Rating, Add	*34.02*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0143	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	59.67	25.66
		For 300 Lb. Rating, Add	*74.49*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0144	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Cap	76.74	30.99
		For 300 Lb. Rating, Add	*105.57*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0145	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	112.20	37.18
		For 300 Lb. Rating, Add	*195.48*	
		For ASTM 120, Deduct	*-8.48*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	257.22	46.50
		For 300 Lb. Rating, Add	*642.05*	
		For ASTM 120, Deduct	*-28.14*	
		For Work In Restricted Working Space, Add	*20.88*	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	319.38	55.27
		For 300 Lb. Rating, Add	*808.87*	
		For ASTM 120, Deduct	*-35.47*	
		For Work In Restricted Working Space, Add	*24.88*	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	399.01	61.76
		For 300 Lb. Rating, Add	*1,047.38*	
		For ASTM 120, Deduct	*-45.96*	
		For Work In Restricted Working Space, Add	*27.78*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	62.15	32.00
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	71.65	37.05
		For Work In Restricted Working Space, Add	*16.64*	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	86.75	43.68
		For Work In Restricted Working Space, Add	*19.66*	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	108.60	52.04
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	130.18	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	158.06	76.99
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	318.68	113.45
		For Work In Restricted Working Space, Add	*51.08*	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	431.75	149.21
		For Work In Restricted Working Space, Add	*67.20*	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	76.72	32.00
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	81.49	37.05
		For Work In Restricted Working Space, Add	*16.63*	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	97.82	43.68
		For Work In Restricted Working Space, Add	*19.66*	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	126.83	52.04
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	149.33	61.99
		For Work In Restricted Working Space, Add	*27.91*	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	194.85	76.99
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	379.44	113.45
		For Work In Restricted Working Space, Add	*51.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	544.97	149.21
		For Work In Restricted Working Space, Add	*67.21*	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	743.24	159.84
		For Work In Restricted Working Space, Add	*71.93*	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	80.72	32.00
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	90.87	37.05
		For Work In Restricted Working Space, Add	*16.63*	
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	112.52	43.68
		For Work In Restricted Working Space, Add	*19.66*	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	143.45	52.04
		For Work In Restricted Working Space, Add	*23.38*	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	171.93	61.99
		For Work In Restricted Working Space, Add	*27.91*	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	210.04	76.99
		For Work In Restricted Working Space, Add	*34.60*	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	434.43	113.45
		For Work In Restricted Working Space, Add	*51.08*	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	670.82	149.21
		For Work In Restricted Working Space, Add	*67.21*	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,360.37	159.84
		For Work In Restricted Working Space, Add	*71.93*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	23.73	13.69
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	23.13	13.69
		For Schedule 80 Nipples, Add	*2.88*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	23.67	13.69
		For Schedule 80 Nipples, Add	*3.50*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	26.39	14.85
		For Schedule 80 Nipples, Add	*4.80*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	29.68	16.00
		For Schedule 80 Nipples, Add	*6.44*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	30.66	16.00
		For Schedule 80 Nipples, Add	*7.56*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	40.35	20.62
		For Schedule 80 Nipples, Add	*10.66*	
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	66.27	25.66
		For Schedule 80 Nipples, Add	*31.73*	
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	79.86	30.99
		For Schedule 80 Nipples, Add	*38.02*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	105.67	37.18
		For Schedule 80 Nipples, Add	*56.98*	
		For ASTM 120, Deduct	*-7.50*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.19	13.69
		For Schedule 80 Nipples, Add	*4.09*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.26	13.69
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.94	13.69
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0190	EA	3/8"Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.19	13.69
		For Schedule 80 Nipples, Add	*4.09*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	23.26	13.69
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	23.94	13.69
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	27.15	14.85
		For Schedule 80 Nipples, Add	*5.67*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	30.09	16.00
		For Schedule 80 Nipples, Add	*6.91*	
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	31.15	16.00
		For Schedule 80 Nipples, Add	*8.12*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.38	13.69
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.73	13.69
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0198	EA	3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.30	13.69
		For Schedule 80 Nipples, Add	*4.22*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0199	EA	1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.56	14.85
		For Schedule 80 Nipples, Add	*6.13*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0200	EA	1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.69	16.00
		For Schedule 80 Nipples, Add	*7.59*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	31.97	16.00
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	41.52	20.62
		For Schedule 80 Nipples, Add	*11.99*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	25.38	13.69
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	23.73	13.69
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	24.30	13.69
		For Schedule 80 Nipples, Add	*4.22*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	27.56	14.85
		For Schedule 80 Nipples, Add	*6.13*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	30.69	16.00
		For Schedule 80 Nipples, Add	*7.59*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	31.97	16.00
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	41.52	20.62
		For Schedule 80 Nipples, Add	*11.99*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	67.33	25.66
		For Schedule 80 Nipples, Add	*32.93*	
		For ASTM 120, Deduct	*-4.33*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	84.45	30.99
		For Schedule 80 Nipples, Add	*43.25*	
		For ASTM 120, Deduct	*-5.69*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.28	13.69
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.46	13.69
		For Schedule 80 Nipples, Add	*4.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.38	13.69
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.65	14.85
		For Schedule 80 Nipples, Add	*7.38*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	31.97	16.00
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.06	16.00
		For Schedule 80 Nipples, Add	*11.43*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	43.77	20.62
		For Schedule 80 Nipples, Add	*14.56*	
		For ASTM 120, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	71.98	25.66
		For Schedule 80 Nipples, Add	*38.24*	
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	91.03	30.99
		For Schedule 80 Nipples, Add	*50.75*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	26.28	13.69
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0222	EA	1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	24.46	13.69
		For Schedule 80 Nipples, Add	*4.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0223	EA	3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	26.28	13.69
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0224	EA	1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	28.65	14.85
		For Schedule 80 Nipples, Add	*7.38*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0225	EA	1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	31.97	16.00
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0226	EA	1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	34.06	16.00
		For Schedule 80 Nipples, Add	*11.43*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0227	EA	2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	43.88	20.62
		For Schedule 80 Nipples, Add	*14.68*	
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0228	EA	2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	71.98	25.66
		For Schedule 80 Nipples, Add	*38.24*	
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0229	EA	3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	91.03	30.99
		For Schedule 80 Nipples, Add	*50.75*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0230	EA	4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	115.45	37.18
		For Schedule 80 Nipples, Add	*68.13*	
		For ASTM 120, Deduct	*-8.96*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0231	EA	3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.43	13.69
		For Schedule 80 Nipples, Add	*8.93*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0232	EA	1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.25	13.69
		For Schedule 80 Nipples, Add	*5.30*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0233	EA	3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.31	13.69
		For Schedule 80 Nipples, Add	*6.51*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0234	EA	1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.12	14.85
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0235	EA	1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.84	16.00
		For Schedule 80 Nipples, Add	*11.18*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0236	EA	1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.15	16.00
		For Schedule 80 Nipples, Add	*13.82*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*7.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0237	EA	2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	47.31	20.62
		For Schedule 80 Nipples, Add	*18.59*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0238	EA	2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	75.84	25.66
		For Schedule 80 Nipples, Add	*42.64*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0239	EA	3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	98.39	30.99
		For Schedule 80 Nipples, Add	*59.14*	
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0240	EA	4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	122.71	37.18
		For Schedule 80 Nipples, Add	*76.40*	
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0241	EA	3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	28.43	13.69
		For Schedule 80 Nipples, Add	*8.93*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0242	EA	1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	25.25	13.69
		For Schedule 80 Nipples, Add	*5.30*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0243	EA	3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	26.31	13.69
		For Schedule 80 Nipples, Add	*6.51*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0244	EA	1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	30.12	14.85
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0245	EA	1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	33.84	16.00
		For Schedule 80 Nipples, Add	*11.18*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0246	EA	1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	36.15	16.00
		For Schedule 80 Nipples, Add	*13.82*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0247	EA	2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	47.31	20.62
		For Schedule 80 Nipples, Add	*18.59*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0248	EA	2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	75.84	25.66
		For Schedule 80 Nipples, Add	*42.64*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0249	EA	3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	98.39	30.99
		For Schedule 80 Nipples, Add	*59.14*	
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0250	EA	4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	122.71	37.18
		For Schedule 80 Nipples, Add	*76.40*	
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0251	EA	3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	29.30	13.69
		For Schedule 80 Nipples, Add	*9.92*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0252	EA	1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	25.87	13.69
		For Schedule 80 Nipples, Add	*6.01*	
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0253	EA	3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	27.45	13.69
		For Schedule 80 Nipples, Add	*7.81*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0254	EA	1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	31.18	14.85
		For Schedule 80 Nipples, Add	*10.26*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0255	EA	1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	35.42	16.00
		For Schedule 80 Nipples, Add	*12.98*	
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0256	EA	1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	37.67	16.00
		For Schedule 80 Nipples, Add	*15.55*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0257	EA	2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	49.94	20.62
		For Schedule 80 Nipples, Add	*21.59*	
		For ASTM 120, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0258	EA	2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	79.53	25.66
		For Schedule 80 Nipples, Add	*46.84*	
		For ASTM 120, Deduct	*-6.16*	
		For Work In Restricted Working Space, Add	*11.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0259	EA	3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	101.38	30.99
		For Schedule 80 Nipples, Add	*62.55*	
		For ASTM 120, Deduct	*-8.23*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0260	EA	4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	129.77	37.18
		For Schedule 80 Nipples, Add	*84.45*	
		For ASTM 120, Deduct	*-11.11*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0261	EA	3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	55.36	13.69
		For Schedule 80 Nipples, Add	*39.63*	
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0262	EA	1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	29.89	13.69
		For Schedule 80 Nipples, Add	*10.59*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0263	EA	3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	32.48	13.69
		For Schedule 80 Nipples, Add	*13.54*	
		For ASTM 120, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0264	EA	1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	37.24	14.85
		For Schedule 80 Nipples, Add	*17.17*	
		For ASTM 120, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0265	EA	1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	42.48	16.00
		For Schedule 80 Nipples, Add	*21.03*	
		For ASTM 120, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0266	EA	1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	45.20	16.00
		For Schedule 80 Nipples, Add	*24.13*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0267	EA	2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	61.87	20.62
		For Schedule 80 Nipples, Add	*35.19*	
		For ASTM 120, Deduct	*-4.63*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0268	EA	2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	91.33	25.66
		For Schedule 80 Nipples, Add	*60.29*	
		For ASTM 120, Deduct	*-7.93*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0269	EA	3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	120.43	30.99
		For Schedule 80 Nipples, Add	*84.27*	
		For ASTM 120, Deduct	*-11.09*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0270	EA	4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	144.10	37.18
		For Schedule 80 Nipples, Add	*100.79*	
		For ASTM 120, Deduct	*-13.26*	
		For Work In Restricted Working Space, Add	*16.71*	
22 11 16 00-0271	EA	3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	37.18	13.69
		For Schedule 80 Nipples, Add	*18.90*	
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0272	EA	1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	31.63	13.69
		For Schedule 80 Nipples, Add	*12.57*	
		For ASTM 120, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0273	EA	3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	33.78	13.69
		For Schedule 80 Nipples, Add	*15.03*	
		For ASTM 120, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0274	EA	1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	39.38	14.85
		For Schedule 80 Nipples, Add	*19.61*	
		For ASTM 120, Deduct	*-2.58*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0275	EA	1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	46.10	16.00
		For Schedule 80 Nipples, Add	*25.16*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0276	EA	1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	48.71	16.00
		For Schedule 80 Nipples, Add	*28.14*	
		For ASTM 120, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0277	EA	2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	67.12	20.62
		For Schedule 80 Nipples, Add	*41.18*	
		For ASTM 120, Deduct	*-5.42*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0278	EA	2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	98.72	25.66
		For Schedule 80 Nipples, Add	*68.72*	
		For ASTM 120, Deduct	*-9.04*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0279	EA	3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	130.84	30.99
		For Schedule 80 Nipples, Add	*96.14*	
		For ASTM 120, Deduct	*-12.65*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0280	EA	4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	158.15	37.18
		For Schedule 80 Nipples, Add	*116.80*	
		For ASTM 120, Deduct	*-15.37*	
		For Work In Restricted Working Space, Add	*16.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0281	EA	3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	38.97	13.69
		For Schedule 80 Nipples, Add	*20.94*	
		For ASTM 120, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	33.16	13.69
		For Schedule 80 Nipples, Add	*14.32*	
		For ASTM 120, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	35.38	13.69
		For Schedule 80 Nipples, Add	*16.85*	
		For ASTM 120, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*6.18*	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	42.21	14.85
		For Schedule 80 Nipples, Add	*22.83*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	50.53	16.00
		For Schedule 80 Nipples, Add	*30.21*	
		For ASTM 120, Deduct	*-3.98*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	52.27	16.00
		For Schedule 80 Nipples, Add	*32.19*	
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	72.44	20.62
		For Schedule 80 Nipples, Add	*47.24*	
		For ASTM 120, Deduct	*-6.22*	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	105.89	25.66
		For Schedule 80 Nipples, Add	*76.89*	
		For ASTM 120, Deduct	*-10.12*	
		For Work In Restricted Working Space, Add	*11.53*	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	141.33	30.99
		For Schedule 80 Nipples, Add	*108.09*	
		For ASTM 120, Deduct	*-14.22*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	172.33	37.18
		For Schedule 80 Nipples, Add	*132.97*	
		For ASTM 120, Deduct	*-17.50*	
		For Work In Restricted Working Space, Add	*16.71*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0832 for dielectric unions.

22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.12	13.69
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.50	13.69
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.84	13.69
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	25.10	13.69
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	26.41	13.69
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	27.19	13.69
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	27.00	14.85
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	27.41	14.85
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	33.72	14.85
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	36.53	16.00
		For Work In Restricted Working Space, Add	*7.22*	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	40.01	16.00
		For Work In Restricted Working Space, Add	*7.22*	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	53.15	20.62
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	63.69	25.66
		For Work In Restricted Working Space, Add	*11.55*	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	97.34	30.99
		For Work In Restricted Working Space, Add	*13.97*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	22.58	10.23
		For 300 Lb. Rating, Add	*25.40*	
		For Work In Restricted Working Space, Add	*4.61*	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	24.41	11.53
		For 300 Lb. Rating, Add	*25.51*	
		For Work In Restricted Working Space, Add	*5.16*	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	27.12	12.83
		For 300 Lb. Rating, Add	*28.01*	
		For Work In Restricted Working Space, Add	*5.77*	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	33.90	14.56
		For 300 Lb. Rating, Add	*42.58*	
		For Work In Restricted Working Space, Add	*6.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	40.90	16.29
		For 300 Lb. Rating, Add	*57.10*	
		For Work In Restricted Working Space, Add	*7.36*	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	51.96	20.76
		For 300 Lb. Rating, Add	*72.59*	
		For Work In Restricted Working Space, Add	*9.35*	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	86.70	30.71
		For 300 Lb. Rating, Add	*140.71*	
		For Work In Restricted Working Space, Add	*13.84*	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	118.26	40.51
		For 300 Lb. Rating, Add	*199.35*	
		For Work In Restricted Working Space, Add	*18.21*	
22 11 16 00-0315	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	184.47	43.30
		For 300 Lb. Rating, Add	*410.16*	
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0316	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	287.03	45.25
		For 300 Lb. Rating, Add	*749.45*	
		For Work In Restricted Working Space, Add	*20.34*	
22 11 16 00-0317	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	307.89	47.20
		For 300 Lb. Rating, Add	*810.09*	
		For Work In Restricted Working Space, Add	*21.26*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	50.05	27.10
		For Work In Restricted Working Space, Add	*12.22*	
22 11 16 00-0320	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	54.39	28.83
		For Work In Restricted Working Space, Add	*12.98*	
22 11 16 00-0321	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	56.09	30.42
		For Work In Restricted Working Space, Add	*13.66*	
22 11 16 00-0322	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	62.01	30.99
		For Work In Restricted Working Space, Add	*13.93*	
22 11 16 00-0323	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	62.90	32.43
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-0324	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	65.41	34.17
		For Work In Restricted Working Space, Add	*15.37*	
22 11 16 00-0325	EA	1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	70.51	33.30
		For Work In Restricted Working Space, Add	*14.97*	
22 11 16 00-0326	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	72.79	34.74
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-0327	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	73.27	36.48
		For Work In Restricted Working Space, Add	*16.41*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	75.02	38.63
		For Work In Restricted Working Space, Add	*17.36*	
22 11 16 00-0329	EA	2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	83.92	38.77
		For Work In Restricted Working Space, Add	*17.45*	
22 11 16 00-0330	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	84.43	40.37
		For Work In Restricted Working Space, Add	*18.14*	
22 11 16 00-0331	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	85.62	41.95
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-0332	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	88.80	44.12
		For Work In Restricted Working Space, Add	*19.85*	
22 11 16 00-0333	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	89.50	46.42
		For Work In Restricted Working Space, Add	*20.89*	
22 11 16 00-0334	EA	2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	116.43	52.77
		For Work In Restricted Working Space, Add	*23.76*	
22 11 16 00-0335	EA	2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	118.93	54.49
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	122.11	56.51
		For Work In Restricted Working Space, Add	*25.46*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	124.90	58.96
		For Work In Restricted Working Space, Add	*26.51*	
22 11 16 00-0338	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	129.02	64.44
		For Work In Restricted Working Space, Add	*28.99*	
22 11 16 00-0339	EA	3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	146.56	64.88
		For Work In Restricted Working Space, Add	*29.22*	
22 11 16 00-0340	EA	3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	149.06	66.60
		For Work In Restricted Working Space, Add	*29.97*	
22 11 16 00-0341	EA	3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	152.24	68.77
		For Work In Restricted Working Space, Add	*30.92*	
22 11 16 00-0342	EA	3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	154.76	71.08
		For Work In Restricted Working Space, Add	*31.97*	
22 11 16 00-0343	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	158.54	76.55
		For Work In Restricted Working Space, Add	*34.45*	
22 11 16 00-0344	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	179.77	89.09
		For Work In Restricted Working Space, Add	*40.06*	
22 11 16 00-0345	EA	4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	205.02	67.95
		For Work In Restricted Working Space, Add	*30.60*	
22 11 16 00-0346	EA	4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	207.45	69.61
		For Work In Restricted Working Space, Add	*31.33*	
22 11 16 00-0347	EA	4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	210.51	71.70
		For Work In Restricted Working Space, Add	*32.24*	
22 11 16 00-0348	EA	4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	213.87	73.93
		For Work In Restricted Working Space, Add	*33.25*	
22 11 16 00-0349	EA	4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	209.75	79.22
		For Work In Restricted Working Space, Add	*35.66*	
22 11 16 00-0350	EA	4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	239.93	91.34
		For Work In Restricted Working Space, Add	*41.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0351	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	250.72	103.03
		For Work In Restricted Working Space, Add	*46.35*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	87.23	52.68
22 11 16 00-0354	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	95.37	57.67
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	109.26	65.16
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	113.50	67.47
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	123.51	73.38
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	132.40	76.55

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	155.76	57.67
		For Work In Restricted Working Space, Add	*25.95*	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange	151.36	65.16
		For Work In Restricted Working Space, Add	*29.32*	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	129.50	67.47
		For Work In Restricted Working Space, Add	*30.35*	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	151.90	73.38
		For Work In Restricted Working Space, Add	*33.01*	
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange	170.25	76.55
		For Work In Restricted Working Space, Add	*34.46*	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	197.66	88.66
		For Work In Restricted Working Space, Add	*39.86*	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange	343.59	112.44
		For Work In Restricted Working Space, Add	*50.57*	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange	461.09	148.56
		For Work In Restricted Working Space, Add	*66.82*	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange	639.34	176.82
		For Work In Restricted Working Space, Add	*79.54*	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange	704.55	203.13
		For Work In Restricted Working Space, Add	*91.37*	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange	660.80	232.16
		For Work In Restricted Working Space, Add	*104.42*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	46.97	
		For Work In Restricted Working Space, Add	*14.09*	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	51.66	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	56.36	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	61.05	
		For Work In Restricted Working Space, Add	*18.32*	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	64.19	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	67.31	
		For Work In Restricted Working Space, Add	*20.19*	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	70.44	
		For Work In Restricted Working Space, Add	*21.13*	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	73.58	
		For Work In Restricted Working Space, Add	*22.07*	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	76.70	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	82.97	
		For Work In Restricted Working Space, Add	*24.89*	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	89.23	
		For Work In Restricted Working Space, Add	*26.77*	

22 11 16 00-0383 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0862 for pipe with fittings assembly.

22 11 16 00-0384 Copper Tube/Pipe *(22 11 16 00-0383)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0386	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	7.00	3.53
		For Medical/Oxygen Service Tubing, Add	*0.14*	
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0387	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe	8.01	3.67
		For Medical/Oxygen Service Tubing, Add	*0.20*	
		For Up To 20, Add	*0.86*	
		For >200, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*1.65*	
22 11 16 00-0388	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	8.72	3.82
		For Medical/Oxygen Service Tubing, Add	*0.24*	
		For Up To 20, Add	*0.95*	
		For >200, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*1.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0389	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	10.95	4.05
		For Medical/Oxygen Service Tubing, Add	*0.39*	
		For Up To 20, Add	*1.22*	
		For >200, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*1.83*	
22 11 16 00-0390	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe	13.87	4.55
		For Medical/Oxygen Service Tubing, Add	*0.56*	
		For Up To 20, Add	*1.56*	
		For >200, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0391	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	19.86	6.78
		For Medical/Oxygen Service Tubing, Add	*0.78*	
		For Up To 20, Add	*2.23*	
		For >200, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*3.05*	
22 11 16 00-0392	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	23.81	7.56
		For Medical/Oxygen Service Tubing, Add	*1.00*	
		For Up To 20, Add	*2.69*	
		For >200, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*3.40*	
22 11 16 00-0393	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe	33.73	9.33
		For Medical/Oxygen Service Tubing, Add	*1.58*	
		For Up To 20, Add	*3.87*	
		For >200, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*4.19*	
22 11 16 00-0394	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	61.48	10.97
		For Medical/Oxygen Service Tubing, Add	*2.28*	
		For Up To 20, Add	*6.86*	
		For >200, Deduct	*-2.85*	
		For Work In Restricted Working Space, Add	*9.89*	
22 11 16 00-0395	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe	76.80	12.93
		For Medical/Oxygen Service Tubing, Add	*3.04*	
		For Up To 20, Add	*8.63*	
		For >200, Deduct	*-3.81*	
		For Work In Restricted Working Space, Add	*11.63*	
22 11 16 00-0396	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe	111.55	14.59
		For Medical/Oxygen Service Tubing, Add	*5.42*	
		For Up To 20, Add	*12.85*	
		For >200, Deduct	*-6.78*	
		For Work In Restricted Working Space, Add	*13.12*	
22 11 16 00-0397	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe	170.01	16.76
		For Medical/Oxygen Service Tubing, Add	*9.58*	
		For Up To 20, Add	*20.00*	
		For >200, Deduct	*-11.98*	
		For Work In Restricted Working Space, Add	*15.08*	
22 11 16 00-0398	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe	235.42	25.96
		For Medical/Oxygen Service Tubing, Add	*12.61*	
		For Up To 20, Add	*27.48*	
		For >200, Deduct	*-15.76*	
		For Work In Restricted Working Space, Add	*23.36*	
22 11 16 00-0399	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe	383.50	28.86
		For Medical/Oxygen Service Tubing, Add	*23.76*	
		For Up To 20, Add	*45.77*	
		For >200, Deduct	*-29.70*	
		For Work In Restricted Working Space, Add	*25.96*	

22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0401	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	7.60	3.79
		For Medical/Oxygen Service Tubing, Add	*0.15*	
		For Up To 20, Add	*0.81*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0402	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	9.95	3.95
		For Medical/Oxygen Service Tubing, Add	*0.28*	
		For Up To 20, Add	*1.08*	
		For >200, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*1.95*	
22 11 16 00-0403	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	10.40	4.10
		For Medical/Oxygen Service Tubing, Add	*0.33*	
		For Up To 20, Add	*1.14*	
		For >200, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*1.90*	
22 11 16 00-0404	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	14.67	4.35
		For Medical/Oxygen Service Tubing, Add	*0.59*	
		For Up To 20, Add	*1.65*	
		For >200, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0405	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	17.55	4.90
		For Medical/Oxygen Service Tubing, Add	*0.78*	
		For Up To 20, Add	*2.00*	
		For >200, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*2.34*	
22 11 16 00-0406	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	23.19	7.28
		For Medical/Oxygen Service Tubing, Add	*0.97*	
		For Up To 20, Add	*2.62*	
		For >200, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0407	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	27.97	8.12
		For Medical/Oxygen Service Tubing, Add	*1.24*	
		For Up To 20, Add	*3.19*	
		For >200, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*3.73*	
22 11 16 00-0408	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	39.13	10.04
		For Medical/Oxygen Service Tubing, Add	*1.91*	
		For Up To 20, Add	*4.51*	
		For >200, Deduct	*-2.39*	
		For Work In Restricted Working Space, Add	*4.57*	
22 11 16 00-0409	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	68.72	11.80
		For Medical/Oxygen Service Tubing, Add	*2.85*	
		For Up To 20, Add	*7.76*	
		For >200, Deduct	*-3.56*	
		For Work In Restricted Working Space, Add	*9.93*	
22 11 16 00-0410	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	91.35	13.89
		For Medical/Oxygen Service Tubing, Add	*3.90*	
		For Up To 20, Add	*10.35*	
		For >200, Deduct	*-4.87*	
		For Work In Restricted Working Space, Add	*12.80*	
22 11 16 00-0411	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	135.12	15.69
		For Medical/Oxygen Service Tubing, Add	*6.94*	
		For Up To 20, Add	*15.68*	
		For >200, Deduct	*-8.68*	
		For Work In Restricted Working Space, Add	*14.50*	
22 11 16 00-0412	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	216.08	18.01
		For Medical/Oxygen Service Tubing, Add	*12.72*	
		For Up To 20, Add	*25.58*	
		For >200, Deduct	*-15.90*	
		For Work In Restricted Working Space, Add	*17.11*	
22 11 16 00-0413	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	320.17	27.91
		For Medical/Oxygen Service Tubing, Add	*18.26*	
		For Up To 20, Add	*37.72*	
		For >200, Deduct	*-22.82*	
		For Work In Restricted Working Space, Add	*27.59*	
22 11 16 00-0414	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	528.64	31.02
		For Medical/Oxygen Service Tubing, Add	*34.18*	
		For Up To 20, Add	*63.55*	
		For >200, Deduct	*-42.73*	
		For Work In Restricted Working Space, Add	*30.40*	

22 11 16 00-0415 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0416	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.73	3.31
		For Up To 20, Add	*0.72*	
		For >200, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0417	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	7.12	3.45
		For Up To 20, Add	*0.77*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.48*	
22 11 16 00-0418	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	8.79	3.65
		For Up To 20, Add	*0.97*	
		For >200, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.57*	
22 11 16 00-0419	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	11.33	4.10
		For Up To 20, Add	*1.27*	
		For >200, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*1.75*	
22 11 16 00-0420	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	17.01	6.11
		For Up To 20, Add	*1.90*	
		For >200, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*2.70*	
22 11 16 00-0421	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	21.38	6.81
		For Up To 20, Add	*2.41*	
		For >200, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*3.10*	
22 11 16 00-0422	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	30.19	8.39
		For Up To 20, Add	*3.45*	
		For >200, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*3.85*	
22 11 16 00-0423	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	56.34	9.88
		For Up To 20, Add	*6.26*	
		For >200, Deduct	*-2.52*	
		For Work In Restricted Working Space, Add	*9.34*	
22 11 16 00-0424	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	68.49	11.63
		For Up To 20, Add	*7.69*	
		For >200, Deduct	*-3.35*	
		For Work In Restricted Working Space, Add	*10.49*	
22 11 16 00-0425	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	103.58	13.14
		For Up To 20, Add	*11.93*	
		For >200, Deduct	*-6.28*	
		For Work In Restricted Working Space, Add	*12.24*	
22 11 16 00-0426	LF	5" Diameter, Hard Drawn Type M Copper Tube/Pipe	168.97	15.08
		For Up To 20, Add	*19.94*	
		For >200, Deduct	*-12.19*	
		For Work In Restricted Working Space, Add	*14.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0427	LF	6" Diameter, Hard Drawn Type M Copper Tube/Pipe	235.76	23.37
		For Up To 20, Add	*27.65*	
		For >200, Deduct	*-16.28*	
		For Work In Restricted Working Space, Add	*21.89*	
22 11 16 00-0428	LF	8" Diameter, Hard Drawn Type M Copper Tube/Pipe	388.77	25.98
		For Up To 20, Add	*46.59*	
		For >200, Deduct	*-30.85*	
		For Work In Restricted Working Space, Add	*24.08*	

22 11 16 00-0429 Soft Drawn Type L Copper Tube *(22 11 16 00-0384)*

22 11 16 00-0430	LF	1/4" Diameter, Soft Drawn Type L Copper Tube	7.48	3.53
		For Up To 20, Add	*0.80*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0431	LF	3/8" Diameter, Soft Drawn Type L Copper Tube	8.94	3.67
		For Up To 20, Add	*0.98*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.65*	
22 11 16 00-0432	LF	1/2" Diameter, Soft Drawn Type L Copper Tube	10.35	3.82
		For Up To 20, Add	*1.15*	
		For >200, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.72*	
22 11 16 00-0433	LF	3/4" Diameter, Soft Drawn Type L Copper Tube	13.16	4.05
		For Up To 20, Add	*1.49*	
		For >200, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.83*	
22 11 16 00-0434	LF	1" Diameter, Soft Drawn Type L Copper Tube	16.62	4.55
		For Up To 20, Add	*1.91*	
		For >200, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0435	LF	1-1/4" Diameter, Soft Drawn Type L Copper Tube	23.04	6.78
		For Up To 20, Add	*2.63*	
		For >200, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*3.05*	
22 11 16 00-0436	LF	1-1/2" Diameter, Soft Drawn Type L Copper Tube	28.79	7.56
		For Up To 20, Add	*3.32*	
		For >200, Deduct	*-1.75*	
		For Work In Restricted Working Space, Add	*3.40*	
22 11 16 00-0437	LF	2" Diameter, Soft Drawn Type L Copper Tube	41.75	9.33
		For Up To 20, Add	*4.87*	
		For >200, Deduct	*-2.78*	
		For Work In Restricted Working Space, Add	*4.19*	

22 11 16 00-0438 Soft Drawn Type K Copper Tube *(22 11 16 00-0384)*

22 11 16 00-0439	LF	1/4" Diameter, Soft Drawn Type K Copper Tube	7.71	3.53
		For Up To 20, Add	*0.83*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0440	LF	3/8" Diameter, Soft Drawn Type K Copper Tube	9.66	3.67
		For Up To 20, Add	*1.07*	
		For >200, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.65*	
22 11 16 00-0441	LF	1/2" Diameter, Soft Drawn Type K Copper Tube	10.94	3.82
		For Up To 20, Add	*1.22*	
		For >200, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*1.72*	
22 11 16 00-0442	LF	5/8" Diameter, Soft Drawn Type K Copper Tube	12.11	3.95
		For Up To 20, Add	*1.37*	
		For >200, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0443	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	15.73	4.05
		For Up To 20, Add	*1.81*	
		For >200, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*1.83*	
22 11 16 00-0444	LF	1" Diameter, Soft Drawn Type K Copper Tube	19.62	4.55
		For Up To 20, Add	*2.28*	
		For >200, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0445	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	25.24	6.78
		For Up To 20, Add	*2.90*	
		For >200, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*3.05*	
22 11 16 00-0446	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	32.29	7.56
		For Up To 20, Add	*3.75*	
		For >200, Deduct	*-2.10*	
		For Work In Restricted Working Space, Add	*3.40*	
22 11 16 00-0447	LF	2" Diameter, Soft Drawn Type K Copper Tube	46.56	9.33
		For Up To 20, Add	*5.47*	
		For >200, Deduct	*-3.26*	
		For Work In Restricted Working Space, Add	*4.19*	
22 11 16 00-0448	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	65.64	11.18
		For Up To 20, Add	*7.79*	
		For >200, Deduct	*-4.89*	
		For Work In Restricted Working Space, Add	*5.03*	
22 11 16 00-0449	LF	3" Diameter, Soft Drawn Type K Copper Tube	87.77	13.20
		For Up To 20, Add	*10.48*	
		For >200, Deduct	*-6.80*	
		For Work In Restricted Working Space, Add	*5.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0450		Copper And Brass Fittings *(22 11 16 00-0383)* Note: All fittings are based on 95/5 solder.		
22 11 16 00-0451		90 Degree Copper Elbows *(22 11 16 00-0450)*		
22 11 16 00-0452	EA	1/4" Diameter, 90 Degree Copper Elbow	34.17	20.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Street Fitting, Add	*1.14*	
		For Work In Restricted Working Space, Add	*9.39*	
22 11 16 00-0453	EA	3/8" Diameter, 90 Degree Copper Elbow	40.60	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*5.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Street Fitting, Add	*1.21*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0454	EA	1/2" Diameter, 90 Degree Copper Elbow	52.64	34.44
		For Silver Solder Instead Of 95/5 Solder, Add	*7.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Street Fitting, Add	*0.39*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0455	EA	3/4" Diameter, 90 Degree Copper Elbow	66.39	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*9.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Street Fitting, Add	*0.88*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0456	EA	1" Diameter, 90 Degree Copper Elbow	82.09	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*11.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Street Fitting, Add	*2.16*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0457	EA	1-1/4" Diameter, 90 Degree Copper Elbow	91.03	55.42
		For Silver Solder Instead Of 95/5 Solder, Add	*12.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.45*	
		For Street Fitting, Add	*3.22*	
		For Work In Restricted Working Space, Add	*24.89*	
22 11 16 00-0458	EA	1-1/2" Diameter, 90 Degree Copper Elbow	103.40	60.58
		For Silver Solder Instead Of 95/5 Solder, Add	*14.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.62*	
		For Street Fitting, Add	*5.04*	
		For Work In Restricted Working Space, Add	*27.24*	
22 11 16 00-0459	EA	2" Diameter, 90 Degree Copper Elbow	124.73	67.94
		For Silver Solder Instead Of 95/5 Solder, Add	*16.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.26*	
		For Street Fitting, Add	*9.19*	
		For Work In Restricted Working Space, Add	*30.53*	
22 11 16 00-0460	EA	2-1/2" Diameter, 90 Degree Copper Elbow	157.66	69.20
		For Silver Solder Instead Of 95/5 Solder, Add	*18.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.57*	
		For Work In Restricted Working Space, Add	*31.14*	
22 11 16 00-0461	EA	3" Diameter, 90 Degree Copper Elbow	199.95	82.75
		For Silver Solder Instead Of 95/5 Solder, Add	*22.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	
22 11 16 00-0462	EA	4" Diameter, 90 Degree Copper Elbow	360.20	117.35
		For Silver Solder Instead Of 95/5 Solder, Add	*35.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.38*	
		For Work In Restricted Working Space, Add	*52.76*	
22 11 16 00-0463	EA	5" Diameter, 90 Degree Copper Elbow	1,012.95	160.59
		For Silver Solder Instead Of 95/5 Solder, Add	*74.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-62.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*36.11*	
		For Work In Restricted Working Space, Add	*72.23*	
22 11 16 00-0464	EA	6" Diameter, 90 Degree Copper Elbow	1,379.70	233.69
		For Silver Solder Instead Of 95/5 Solder, Add	*104.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-86.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*52.55*	
		For Work In Restricted Working Space, Add	*105.09*	
22 11 16 00-0465	EA	8" Diameter, 90 Degree Copper Elbow	4,275.31	311.54
		For Silver Solder Instead Of 95/5 Solder, Add	*260.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-237.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*70.06*	
		For Work In Restricted Working Space, Add	*140.12*	
22 11 16 00-0466		90 Degree Brass Elbows *(22 11 16 00-0450)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0467	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow	57.81	34.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0468	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow	82.13	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*10.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0469	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow	62.88	34.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0470	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	46.78	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*6.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0471	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	58.25	34.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0472	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	75.79	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*10.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0473	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	113.72	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*13.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Work In Restricted Working Space, Add	*23.01*	

22 11 16 00-0474 Reducing 90 Degree Copper Elbows *(22 11 16 00-0450)*

22 11 16 00-0475	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow	59.61	34.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0476	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow	69.83	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*9.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0477	EA	1" Diameter, Reducing 90 Degree Copper Elbow	87.04	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*12.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0478	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow	109.32	55.42
		For Silver Solder Instead Of 95/5 Solder, Add	*13.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.45*	
		For Work In Restricted Working Space, Add	*24.89*	
22 11 16 00-0479	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow	125.43	60.58
		For Silver Solder Instead Of 95/5 Solder, Add	*15.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.62*	
		For Work In Restricted Working Space, Add	*27.24*	
22 11 16 00-0480	EA	2" Diameter, Reducing 90 Degree Copper Elbow	148.35	67.94
		For Silver Solder Instead Of 95/5 Solder, Add	*17.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.26*	
		For Work In Restricted Working Space, Add	*30.53*	

22 11 16 00-0481 45 Degree Copper Elbows *(22 11 16 00-0450)*

22 11 16 00-0482	EA	1/4" Diameter, 45 Degree Copper Elbow	36.65	20.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Street Fitting, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.39*	
22 11 16 00-0483	EA	3/8" Diameter, 45 Degree Copper Elbow	42.15	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*5.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Street Fitting, Add	*1.83*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0484	EA	1/2" Diameter, 45 Degree Copper Elbow	53.46	34.44
		For Silver Solder Instead Of 95/5 Solder, Add	*7.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Street Fitting, Add	*0.72*	
		For Work In Restricted Working Space, Add	*15.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0485	EA	3/4" Diameter, 45 Degree Copper Elbow	67.27	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*9.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Street Fitting, Add	*1.23*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0486	EA	1" Diameter, 45 Degree Copper Elbow	84.38	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*11.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Street Fitting, Add	*3.07*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0487	EA	1-1/4" Diameter, 45 Degree Copper Elbow	93.37	55.42
		For Silver Solder Instead Of 95/5 Solder, Add	*12.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.45*	
		For Street Fitting, Add	*4.16*	
		For Work In Restricted Working Space, Add	*24.89*	
22 11 16 00-0488	EA	1-1/2" Diameter, 45 Degree Copper Elbow	103.57	60.58
		For Silver Solder Instead Of 95/5 Solder, Add	*14.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.62*	
		For Street Fitting, Add	*5.11*	
		For Work In Restricted Working Space, Add	*27.24*	
22 11 16 00-0489	EA	2" Diameter, 45 Degree Copper Elbow	123.04	67.94
		For Silver Solder Instead Of 95/5 Solder, Add	*16.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.26*	
		For Work In Restricted Working Space, Add	*30.53*	
22 11 16 00-0490	EA	2-1/2" Diameter, 45 Degree Copper Elbow	157.01	69.20
		For Silver Solder Instead Of 95/5 Solder, Add	*18.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.57*	
		For Work In Restricted Working Space, Add	*31.14*	
22 11 16 00-0491	EA	3" Diameter, 45 Degree Copper Elbow	202.94	82.75
		For Silver Solder Instead Of 95/5 Solder, Add	*22.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	
22 11 16 00-0492	EA	4" Diameter, 45 Degree Copper Elbow	344.26	117.35
		For Silver Solder Instead Of 95/5 Solder, Add	*34.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.38*	
		For Work In Restricted Working Space, Add	*52.76*	
22 11 16 00-0493	EA	5" Diameter, 45 Degree Copper Elbow	892.85	160.59
		For Silver Solder Instead Of 95/5 Solder, Add	*68.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-56.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*36.11*	
		For Work In Restricted Working Space, Add	*72.23*	
22 11 16 00-0494	EA	6" Diameter, 45 Degree Copper Elbow	1,377.95	233.69
		For Silver Solder Instead Of 95/5 Solder, Add	*103.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-86.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*52.55*	
		For Work In Restricted Working Space, Add	*105.09*	
22 11 16 00-0495	EA	8" Diameter, 45 Degree Copper Elbow	3,958.94	311.54
		For Silver Solder Instead Of 95/5 Solder, Add	*244.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-221.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*70.06*	
		For Work In Restricted Working Space, Add	*140.12*	
22 11 16 00-0496		Straight Copper And Brass Tees *(22 11 16 00-0450)*		
22 11 16 00-0497	EA	1/4" Diameter, Straight Copper Tee	52.96	31.31
		For Silver Solder Instead Of 95/5 Solder, Add	*7.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.05*	
		For Work In Restricted Working Space, Add	*14.09*	
22 11 16 00-0498	EA	3/8" Diameter, Straight Copper Tee	61.18	37.58
		For Silver Solder Instead Of 95/5 Solder, Add	*8.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0499	EA	1/2" Diameter, Straight Copper Tee	79.96	52.29
		For Silver Solder Instead Of 95/5 Solder, Add	*11.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.48*	
22 11 16 00-0500	EA	3/4" Diameter, Straight Copper Tee	101.09	64.81
		For Silver Solder Instead Of 95/5 Solder, Add	*14.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.56*	
		For Work In Restricted Working Space, Add	*29.12*	
22 11 16 00-0501	EA	1" Diameter, Straight Copper Tee	127.95	77.34
		For Silver Solder Instead Of 95/5 Solder, Add	*17.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.38*	
		For Work In Restricted Working Space, Add	*34.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0502	EA	1-1/4" Diameter, Straight Copper Tee	142.12	83.59
		For Silver Solder Instead Of 95/5 Solder, Add	*19.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.79*	
		For Work In Restricted Working Space, Add	*37.57*	
22 11 16 00-0503	EA	1-1/2" Diameter, Straight Copper Tee	161.72	90.80
		For Silver Solder Instead Of 95/5 Solder, Add	*21.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.43*	
		For Work In Restricted Working Space, Add	*40.86*	
22 11 16 00-0504	EA	2" Diameter, Straight Copper Tee	194.00	102.38
		For Silver Solder Instead Of 95/5 Solder, Add	*25.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.01*	
		For Work In Restricted Working Space, Add	*46.02*	
22 11 16 00-0505	EA	2-1/2" Diameter, Straight Copper Tee	251.71	103.79
		For Silver Solder Instead Of 95/5 Solder, Add	*28.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.35*	
		For Work In Restricted Working Space, Add	*46.71*	
22 11 16 00-0506	EA	3" Diameter, Straight Copper Tee	334.11	124.99
		For Silver Solder Instead Of 95/5 Solder, Add	*35.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.11*	
		For Work In Restricted Working Space, Add	*56.22*	
22 11 16 00-0507	EA	4" Diameter, Straight Copper Tee	617.42	175.01
		For Silver Solder Instead Of 95/5 Solder, Add	*57.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.36*	
		For Work In Restricted Working Space, Add	*78.71*	
22 11 16 00-0508	EA	5" Diameter, Straight Copper Tee	1,519.60	239.45
		For Silver Solder Instead Of 95/5 Solder, Add	*111.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-93.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*53.85*	
		For Work In Restricted Working Space, Add	*107.69*	
22 11 16 00-0509	EA	6" Diameter, Straight Copper Tee	2,112.76	351.04
		For Silver Solder Instead Of 95/5 Solder, Add	*158.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-131.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*78.93*	
		For Work In Restricted Working Space, Add	*157.86*	
22 11 16 00-0510	EA	8" Diameter, Straight Copper Tee	6,820.75	467.38
		For Silver Solder Instead Of 95/5 Solder, Add	*411.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-376.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*105.09*	
		For Work In Restricted Working Space, Add	*210.19*	
22 11 16 00-0511	EA	1/2" Diameter, Cast Bronze Drop Ear Tee	88.64	52.29
		For Silver Solder Instead Of 95/5 Solder, Add	*12.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.48*	

22 11 16 00-0512 Reducing Copper Tees *(22 11 16 00-0450)*

22 11 16 00-0513	EA	3/8" Diameter, Reducing Copper Tee	59.62	33.34
		For Silver Solder Instead Of 95/5 Solder, Add	*7.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.51*	
		For Work In Restricted Working Space, Add	*15.03*	
22 11 16 00-0514	EA	1/2" Diameter, Reducing Copper Tee	78.82	46.97
		For Silver Solder Instead Of 95/5 Solder, Add	*10.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.57*	
		For Work In Restricted Working Space, Add	*21.13*	
22 11 16 00-0515	EA	3/4" Diameter, Reducing Copper Tee	95.07	60.58
		For Silver Solder Instead Of 95/5 Solder, Add	*13.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.62*	
		For Work In Restricted Working Space, Add	*27.24*	
22 11 16 00-0516	EA	1" Diameter, Reducing Copper Tee	123.16	73.10
		For Silver Solder Instead Of 95/5 Solder, Add	*17.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.44*	
		For Work In Restricted Working Space, Add	*32.87*	
22 11 16 00-0517	EA	1-1/4" Diameter, Reducing Copper Tee	139.58	79.37
		For Silver Solder Instead Of 95/5 Solder, Add	*18.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.85*	
		For Work In Restricted Working Space, Add	*35.69*	
22 11 16 00-0518	EA	1-1/2" Diameter, Reducing Copper Tee	159.07	86.73
		For Silver Solder Instead Of 95/5 Solder, Add	*20.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.49*	
		For Work In Restricted Working Space, Add	*38.98*	
22 11 16 00-0519	EA	2" Diameter, Reducing Copper Tee	187.70	97.06
		For Silver Solder Instead Of 95/5 Solder, Add	*23.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.84*	
		For Work In Restricted Working Space, Add	*43.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0520	EA	2-1/2" Diameter, Reducing Copper Tee	255.12	100.05
		For Silver Solder Instead Of 95/5 Solder, Add	*27.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.49*	
		For Work In Restricted Working Space, Add	*44.98*	
22 11 16 00-0521	EA	3" Diameter, Reducing Copper Tee	345.73	115.33
		For Silver Solder Instead Of 95/5 Solder, Add	*34.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.95*	
		For Work In Restricted Working Space, Add	*51.90*	
22 11 16 00-0522	EA	4" Diameter, Reducing Copper Tee	577.00	142.29
		For Silver Solder Instead Of 95/5 Solder, Add	*50.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.00*	
		For Work In Restricted Working Space, Add	*64.01*	
22 11 16 00-0523		**Copper Couplings** *(22 11 16 00-0450)*		
22 11 16 00-0524	EA	1/4" Diameter, Copper Coupling	26.56	17.37
		For Silver Solder Instead Of 95/5 Solder, Add	*3.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.90*	
		For Work In Restricted Working Space, Add	*7.80*	
22 11 16 00-0525	EA	3/8" Diameter, Copper Coupling	31.95	20.82
		For Silver Solder Instead Of 95/5 Solder, Add	*4.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0526	EA	1/2" Diameter, Copper Coupling	43.51	28.49
		For Silver Solder Instead Of 95/5 Solder, Add	*6.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0527	EA	3/4" Diameter, Copper Coupling	54.55	35.54
		For Silver Solder Instead Of 95/5 Solder, Add	*8.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0528	EA	1" Diameter, Copper Coupling	66.19	42.42
		For Silver Solder Instead Of 95/5 Solder, Add	*9.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0529	EA	1-1/4" Diameter, Copper Coupling	73.32	45.87
		For Silver Solder Instead Of 95/5 Solder, Add	*10.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.33*	
		For Work In Restricted Working Space, Add	*20.66*	
22 11 16 00-0530	EA	1-1/2" Diameter, Copper Coupling	81.27	50.25
		For Silver Solder Instead Of 95/5 Solder, Add	*11.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.30*	
		For Work In Restricted Working Space, Add	*22.61*	
22 11 16 00-0531	EA	2" Diameter, Copper Coupling	94.28	56.20
		For Silver Solder Instead Of 95/5 Solder, Add	*13.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.67*	
		For Work In Restricted Working Space, Add	*25.34*	
22 11 16 00-0532	EA	2-1/2" Diameter, Copper Coupling	109.49	56.80
		For Silver Solder Instead Of 95/5 Solder, Add	*14.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.80*	
		For Work In Restricted Working Space, Add	*25.60*	
22 11 16 00-0533	EA	3" Diameter, Copper Coupling	138.47	70.35
		For Silver Solder Instead Of 95/5 Solder, Add	*17.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.84*	
		For Work In Restricted Working Space, Add	*31.68*	
22 11 16 00-0534	EA	4" Diameter, Copper Coupling	222.07	99.62
		For Silver Solder Instead Of 95/5 Solder, Add	*26.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.45*	
		For Work In Restricted Working Space, Add	*44.90*	
22 11 16 00-0535	EA	5" Diameter, Copper Coupling	367.61	144.31
		For Silver Solder Instead Of 95/5 Solder, Add	*40.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.50*	
		For Work In Restricted Working Space, Add	*65.00*	
22 11 16 00-0536	EA	6" Diameter, Copper Coupling	564.70	210.05
		For Silver Solder Instead Of 95/5 Solder, Add	*59.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-44.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*47.29*	
		For Work In Restricted Working Space, Add	*94.58*	
22 11 16 00-0537	EA	8" Diameter, Copper Coupling	1,228.89	279.96
		For Silver Solder Instead Of 95/5 Solder, Add	*103.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-82.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*63.06*	
		For Work In Restricted Working Space, Add	*126.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0538		**Reducing Copper Couplings** *(22 11 16 00-0450)*		
22 11 16 00-0539	EA	3/8" Diameter, Reducing Copper Coupling	29.84	19.09
		For Silver Solder Instead Of 95/5 Solder, Add	*4.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.29*	
		For Work In Restricted Working Space, Add	*8.58*	
22 11 16 00-0540	EA	1/2" Diameter, Reducing Copper Coupling	38.35	24.74
		For Silver Solder Instead Of 95/5 Solder, Add	*5.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.56*	
		For Work In Restricted Working Space, Add	*11.11*	
22 11 16 00-0541	EA	3/4" Diameter, Reducing Copper Coupling	50.33	32.09
		For Silver Solder Instead Of 95/5 Solder, Add	*7.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.21*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0542	EA	1" Diameter, Reducing Copper Coupling	62.55	38.98
		For Silver Solder Instead Of 95/5 Solder, Add	*8.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.77*	
		For Work In Restricted Working Space, Add	*17.54*	
22 11 16 00-0543	EA	1-1/4" Diameter, Reducing Copper Coupling	71.95	44.15
		For Silver Solder Instead Of 95/5 Solder, Add	*10.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.94*	
		For Work In Restricted Working Space, Add	*19.88*	
22 11 16 00-0544	EA	1-1/2" Diameter, Reducing Copper Coupling	81.54	48.05
		For Silver Solder Instead Of 95/5 Solder, Add	*11.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.82*	
		For Work In Restricted Working Space, Add	*21.64*	
22 11 16 00-0545	EA	2" Diameter, Reducing Copper Coupling	94.48	53.22
		For Silver Solder Instead Of 95/5 Solder, Add	*12.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.99*	
		For Work In Restricted Working Space, Add	*23.98*	
22 11 16 00-0546	EA	2-1/2" Diameter, Reducing Copper Coupling	117.40	54.35
		For Silver Solder Instead Of 95/5 Solder, Add	*14.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.23*	
		For Work In Restricted Working Space, Add	*24.47*	
22 11 16 00-0547	EA	3" Diameter, Reducing Copper Coupling	139.78	63.58
		For Silver Solder Instead Of 95/5 Solder, Add	*16.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.32*	
		For Work In Restricted Working Space, Add	*28.64*	
22 11 16 00-0548	EA	4" Diameter, Reducing Copper Coupling	215.58	85.06
		For Silver Solder Instead Of 95/5 Solder, Add	*23.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.14*	
		For Work In Restricted Working Space, Add	*38.29*	
22 11 16 00-0549	EA	5" Diameter, Reducing Copper Coupling	522.60	119.08
		For Silver Solder Instead Of 95/5 Solder, Add	*44.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.80*	
		For Work In Restricted Working Space, Add	*53.61*	
22 11 16 00-0550	EA	6" Diameter, Reducing Copper Coupling	760.56	151.80
		For Silver Solder Instead Of 95/5 Solder, Add	*60.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.20*	
		For Work In Restricted Working Space, Add	*68.40*	
22 11 16 00-0551	EA	8" Diameter, Reducing Copper Coupling	1,496.61	244.79
		For Silver Solder Instead Of 95/5 Solder, Add	*111.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-93.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*55.14*	
		For Work In Restricted Working Space, Add	*110.29*	
22 11 16 00-0552		**Male Copper Adapters** *(22 11 16 00-0450)*		
22 11 16 00-0553	EA	1/4" Diameter, Male Copper Adapter	41.41	20.35
		For Silver Solder Instead Of 95/5 Solder, Add	*5.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.39*	
22 11 16 00-0554	EA	3/8" Diameter, Male Copper Adapter	42.62	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*5.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0555	EA	1/2" Diameter, Male Copper Adapter	49.01	31.31
		For Silver Solder Instead Of 95/5 Solder, Add	*7.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.05*	
		For Work In Restricted Working Space, Add	*14.09*	
22 11 16 00-0556	EA	3/4" Diameter, Male Copper Adapter	61.38	39.14
		For Silver Solder Instead Of 95/5 Solder, Add	*8.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.69*	
		For Work In Restricted Working Space, Add	*17.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0557	EA	1" Diameter, Male Copper Adapter	76.10	45.39
		For Silver Solder Instead Of 95/5 Solder, Add	*10.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.10*	
		For Work In Restricted Working Space, Add	*20.19*	
22 11 16 00-0558	EA	1-1/4" Diameter, Male Copper Adapter	91.06	51.66
		For Silver Solder Instead Of 95/5 Solder, Add	*12.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.48*	
22 11 16 00-0559	EA	1-1/2" Diameter, Male Copper Adapter	104.20	59.49
		For Silver Solder Instead Of 95/5 Solder, Add	*14.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.38*	
		For Work In Restricted Working Space, Add	*26.77*	
22 11 16 00-0560	EA	2" Diameter, Male Copper Adapter	139.62	75.93
		For Silver Solder Instead Of 95/5 Solder, Add	*18.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.14*	
		For Work In Restricted Working Space, Add	*34.28*	
22 11 16 00-0561	EA	2-1/2" Diameter, Male Copper Adapter	243.54	98.62
		For Silver Solder Instead Of 95/5 Solder, Add	*26.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.07*	
		For Work In Restricted Working Space, Add	*44.15*	
22 11 16 00-0562	EA	3" Diameter, Male Copper Adapter	323.65	131.55
		For Silver Solder Instead Of 95/5 Solder, Add	*35.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.41*	
		For Work In Restricted Working Space, Add	*58.82*	
22 11 16 00-0563	EA	4" Diameter, Male Copper Adapter	480.84	184.53
		For Silver Solder Instead Of 95/5 Solder, Add	*51.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*41.52*	
		For Work In Restricted Working Space, Add	*83.04*	

22 11 16 00-0564 Female Copper Adapters *(22 11 16 00-0450)*

22 11 16 00-0565	EA	1/4" Diameter, Female Copper Adapter	37.76	20.35
		For Silver Solder Instead Of 95/5 Solder, Add	*5.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.39*	
22 11 16 00-0566	EA	3/8" Diameter, Female Copper Adapter	44.33	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*5.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0567	EA	1/2" Diameter, Female Copper Adapter	50.24	31.31
		For Silver Solder Instead Of 95/5 Solder, Add	*7.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.05*	
		For Work In Restricted Working Space, Add	*14.09*	
22 11 16 00-0568	EA	3/4" Diameter, Female Copper Adapter	62.38	39.14
		For Silver Solder Instead Of 95/5 Solder, Add	*8.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.69*	
		For Work In Restricted Working Space, Add	*17.38*	
22 11 16 00-0569	EA	1" Diameter, Female Copper Adapter	77.52	45.39
		For Silver Solder Instead Of 95/5 Solder, Add	*10.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.10*	
		For Work In Restricted Working Space, Add	*20.19*	
22 11 16 00-0570	EA	1-1/4" Diameter, Female Copper Adapter	93.24	51.66
		For Silver Solder Instead Of 95/5 Solder, Add	*12.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.48*	
22 11 16 00-0571	EA	1-1/2" Diameter, Female Copper Adapter	112.67	59.49
		For Silver Solder Instead Of 95/5 Solder, Add	*14.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.38*	
		For Work In Restricted Working Space, Add	*26.77*	
22 11 16 00-0572	EA	2" Diameter, Female Copper Adapter	146.08	75.93
		For Silver Solder Instead Of 95/5 Solder, Add	*18.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.14*	
		For Work In Restricted Working Space, Add	*34.28*	
22 11 16 00-0573	EA	2-1/2" Diameter, Female Copper Adapter	271.50	90.82
		For Silver Solder Instead Of 95/5 Solder, Add	*27.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.33*	
		For Work In Restricted Working Space, Add	*40.65*	
22 11 16 00-0574	EA	3" Diameter, Female Copper Adapter	425.14	131.55
		For Silver Solder Instead Of 95/5 Solder, Add	*40.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.41*	
		For Work In Restricted Working Space, Add	*58.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0575		**Wrot Copper, Solder Union** *(22 11 16 00-0450)*		
22 11 16 00-0576	EA	1/4" Diameter, Wrot Copper, Solder Union	52.67	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*6.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0577	EA	3/8" Diameter, Wrot Copper, Solder Union	60.94	30.21
		For Silver Solder Instead Of 95/5 Solder, Add	*7.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.81*	
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0578	EA	1/2" Diameter, Wrot Copper, Solder Union	65.97	37.58
		For Silver Solder Instead Of 95/5 Solder, Add	*8.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0579	EA	3/4" Diameter, Wrot Copper, Solder Union	76.01	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*10.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0580	EA	1" Diameter, Wrot Copper, Solder Union	97.02	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*12.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0581	EA	1-1/4" Diameter, Wrot Copper, Solder Union	113.95	56.36
		For Silver Solder Instead Of 95/5 Solder, Add	*14.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.68*	
		For Work In Restricted Working Space, Add	*25.36*	
22 11 16 00-0582	EA	1-1/2" Diameter, Wrot Copper, Solder Union	135.40	62.62
		For Silver Solder Instead Of 95/5 Solder, Add	*16.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.09*	
		For Work In Restricted Working Space, Add	*28.18*	
22 11 16 00-0583	EA	2" Diameter, Wrot Copper, Solder Union	183.43	75.14
		For Silver Solder Instead Of 95/5 Solder, Add	*20.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.91*	
		For Work In Restricted Working Space, Add	*33.82*	
22 11 16 00-0584	EA	2-1/2" Diameter, Wrot Copper, Solder Union	316.80	82.75
		For Silver Solder Instead Of 95/5 Solder, Add	*28.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	
22 11 16 00-0585	EA	3" Diameter, Wrot Copper, Solder Union	674.85	117.35
		For Silver Solder Instead Of 95/5 Solder, Add	*51.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.38*	
		For Work In Restricted Working Space, Add	*52.76*	
22 11 16 00-0586		**Cast Bronze, Solder Union** *(22 11 16 00-0450)*		
22 11 16 00-0587	EA	1/4" Diameter, Cast Bronze, Solder Union	58.24	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*6.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0588	EA	3/8" Diameter, Cast Bronze, Solder Union	66.19	30.21
		For Silver Solder Instead Of 95/5 Solder, Add	*7.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.81*	
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0589	EA	1/2" Diameter, Cast Bronze, Solder Union	67.44	37.58
		For Silver Solder Instead Of 95/5 Solder, Add	*9.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0590	EA	3/4" Diameter, Cast Bronze, Solder Union	78.08	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*10.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0591	EA	1" Diameter, Cast Bronze, Solder Union	100.60	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*12.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0592	EA	1-1/4" Diameter, Cast Bronze, Solder Union	123.76	56.36
		For Silver Solder Instead Of 95/5 Solder, Add	*14.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.68*	
		For Work In Restricted Working Space, Add	*25.36*	
22 11 16 00-0593	EA	1-1/2" Diameter, Cast Bronze, Solder Union	145.63	62.62
		For Silver Solder Instead Of 95/5 Solder, Add	*16.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.09*	
		For Work In Restricted Working Space, Add	*28.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0594	EA	2" Diameter, Cast Bronze, Solder Union	200.85	75.14
		For Silver Solder Instead Of 95/5 Solder, Add	*21.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.91*	
		For Work In Restricted Working Space, Add	*33.82*	
22 11 16 00-0595	EA	2-1/2" Diameter, Cast Bronze, Solder Union	316.79	82.75
		For Silver Solder Instead Of 95/5 Solder, Add	*28.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	
22 11 16 00-0596	EA	3" Diameter, Cast Bronze, Solder Union	674.85	117.35
		For Silver Solder Instead Of 95/5 Solder, Add	*51.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.38*	
		For Work In Restricted Working Space, Add	*52.76*	

22 11 16 00-0597 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0450)*

22 11 16 00-0598	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	65.76	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*7.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0599	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	74.55	30.21
		For Silver Solder Instead Of 95/5 Solder, Add	*8.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.81*	
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0600	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	79.52	37.58
		For Silver Solder Instead Of 95/5 Solder, Add	*9.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0601	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union	95.76	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*11.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	
22 11 16 00-0602	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union	142.36	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*14.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0603	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	206.89	56.36
		For Silver Solder Instead Of 95/5 Solder, Add	*18.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.68*	
		For Work In Restricted Working Space, Add	*25.36*	
22 11 16 00-0604	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	248.94	62.62
		For Silver Solder Instead Of 95/5 Solder, Add	*21.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.09*	
		For Work In Restricted Working Space, Add	*28.18*	
22 11 16 00-0605	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union	375.12	75.14
		For Silver Solder Instead Of 95/5 Solder, Add	*30.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.91*	
		For Work In Restricted Working Space, Add	*33.82*	
22 11 16 00-0606	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	621.40	82.75
		For Silver Solder Instead Of 95/5 Solder, Add	*43.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	

22 11 16 00-0607 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0450)*

22 11 16 00-0608	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	59.04	25.05
		For Silver Solder Instead Of 95/5 Solder, Add	*6.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0609	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union	70.44	30.21
		For Silver Solder Instead Of 95/5 Solder, Add	*8.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.81*	
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0610	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	74.64	37.58
		For Silver Solder Instead Of 95/5 Solder, Add	*9.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0611	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union	91.62	42.90
		For Silver Solder Instead Of 95/5 Solder, Add	*11.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.63*	
		For Work In Restricted Working Space, Add	*19.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0612	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union	144.25	51.19
		For Silver Solder Instead Of 95/5 Solder, Add	*14.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.51*	
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0613	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	168.32	56.36
		For Silver Solder Instead Of 95/5 Solder, Add	*16.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.68*	
		For Work In Restricted Working Space, Add	*25.36*	
22 11 16 00-0614	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	181.93	62.62
		For Silver Solder Instead Of 95/5 Solder, Add	*18.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.09*	
		For Work In Restricted Working Space, Add	*28.18*	
22 11 16 00-0615	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union	247.91	75.14
		For Silver Solder Instead Of 95/5 Solder, Add	*23.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.91*	
		For Work In Restricted Working Space, Add	*33.82*	
22 11 16 00-0616	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	520.16	82.75
		For Silver Solder Instead Of 95/5 Solder, Add	*38.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	
22 11 16 00-0617		**Copper Caps** *(22 11 16 00-0450)*		
22 11 16 00-0618	EA	1/4" Diameter, Copper Cap	11.20	6.89
		For Silver Solder Instead Of 95/5 Solder, Add	*1.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.55*	
		For Work In Restricted Working Space, Add	*3.10*	
22 11 16 00-0619	EA	3/8" Diameter, Copper Cap	13.78	8.14
		For Silver Solder Instead Of 95/5 Solder, Add	*1.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.72*	
22 11 16 00-0620	EA	1/2" Diameter, Copper Cap	17.76	11.28
		For Silver Solder Instead Of 95/5 Solder, Add	*2.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.56*	
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0621	EA	3/4" Diameter, Copper Cap	22.51	13.94
		For Silver Solder Instead Of 95/5 Solder, Add	*3.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.18*	
		For Work In Restricted Working Space, Add	*6.35*	
22 11 16 00-0622	EA	1" Diameter, Copper Cap	28.44	16.75
		For Silver Solder Instead Of 95/5 Solder, Add	*3.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.80*	
		For Work In Restricted Working Space, Add	*7.59*	
22 11 16 00-0623	EA	1-1/4" Diameter, Copper Cap	31.57	18.01
		For Silver Solder Instead Of 95/5 Solder, Add	*4.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
22 11 16 00-0624	EA	1-1/2" Diameter, Copper Cap	36.07	19.72
		For Silver Solder Instead Of 95/5 Solder, Add	*4.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 11 16 00-0625	EA	2" Diameter, Copper Cap	42.19	20.47
		For Silver Solder Instead Of 95/5 Solder, Add	*5.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.28*	
22 11 16 00-0626	EA	2-1/2" Diameter, Copper Cap	76.69	23.93
		For Silver Solder Instead Of 95/5 Solder, Add	*7.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.45*	
		For Work In Restricted Working Space, Add	*10.90*	
22 11 16 00-0627	EA	3" Diameter, Copper Cap	104.30	30.71
		For Silver Solder Instead Of 95/5 Solder, Add	*9.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.97*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0628	EA	4" Diameter, Copper Cap	179.45	46.42
		For Silver Solder Instead Of 95/5 Solder, Add	*16.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.55*	
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0629	EA	5" Diameter, Cast Bronze Cap	875.26	71.50
		For Silver Solder Instead Of 95/5 Solder, Add	*54.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.25*	
		For Work In Restricted Working Space, Add	*32.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0630	EA	6" Diameter, Cast Bronze Cap	1,685.62	104.09
		For Silver Solder Instead Of 95/5 Solder, Add	*100.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-92.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.65*	
		For Work In Restricted Working Space, Add	*47.29*	
22 11 16 00-0631	EA	8" Diameter, Cast Bronze Cap	2,149.43	138.69
		For Silver Solder Instead Of 95/5 Solder, Add	*128.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-117.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.53*	
		For Work In Restricted Working Space, Add	*63.06*	

22 11 16 00-0632 Copper Crosses *(22 11 16 00-0450)*

22 11 16 00-0633	EA	1/2" Diameter, Copper Cross	106.37	63.44
		For Silver Solder Instead Of 95/5 Solder, Add	*14.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.27*	
		For Work In Restricted Working Space, Add	*28.54*	
22 11 16 00-0634	EA	3/4" Diameter, Copper Cross	140.04	78.86
		For Silver Solder Instead Of 95/5 Solder, Add	*18.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.73*	
		For Work In Restricted Working Space, Add	*35.46*	
22 11 16 00-0635	EA	1" Diameter, Copper Cross	178.36	94.13
		For Silver Solder Instead Of 95/5 Solder, Add	*23.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.19*	
		For Work In Restricted Working Space, Add	*42.38*	
22 11 16 00-0636	EA	1-1/4" Diameter, Copper Cross	206.10	101.93
		For Silver Solder Instead Of 95/5 Solder, Add	*25.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.92*	
		For Work In Restricted Working Space, Add	*45.84*	
22 11 16 00-0637	EA	1-1/2" Diameter, Copper Cross	243.18	111.43
		For Silver Solder Instead Of 95/5 Solder, Add	*28.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.08*	
		For Work In Restricted Working Space, Add	*50.17*	
22 11 16 00-0638	EA	2" Diameter, Copper Cross	330.90	124.99
		For Silver Solder Instead Of 95/5 Solder, Add	*35.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.11*	
		For Work In Restricted Working Space, Add	*56.22*	
22 11 16 00-0639	EA	2-1/2" Diameter, Copper Cross	538.35	138.39
		For Silver Solder Instead Of 95/5 Solder, Add	*47.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.14*	
		For Work In Restricted Working Space, Add	*62.28*	

22 11 16 00-0640 Cast Bronze Crosses *(22 11 16 00-0450)*

22 11 16 00-0641	EA	3/8" Diameter, Cast Bronze Cross	84.17	46.13
		For Silver Solder Instead Of 95/5 Solder, Add	*11.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.38*	
		For Work In Restricted Working Space, Add	*20.76*	
22 11 16 00-0642	EA	1/2" Diameter, Cast Bronze Cross	108.61	63.44
		For Silver Solder Instead Of 95/5 Solder, Add	*14.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.27*	
		For Work In Restricted Working Space, Add	*28.54*	
22 11 16 00-0643	EA	3/4" Diameter, Cast Bronze Cross	144.40	78.86
		For Silver Solder Instead Of 95/5 Solder, Add	*19.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.73*	
		For Work In Restricted Working Space, Add	*35.46*	
22 11 16 00-0644	EA	1" Diameter, Cast Bronze Cross	185.76	94.13
		For Silver Solder Instead Of 95/5 Solder, Add	*23.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.19*	
		For Work In Restricted Working Space, Add	*42.38*	
22 11 16 00-0645	EA	1-1/4" Diameter, Cast Bronze Cross	216.75	101.93
		For Silver Solder Instead Of 95/5 Solder, Add	*26.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.92*	
		For Work In Restricted Working Space, Add	*45.84*	
22 11 16 00-0646	EA	1-1/2" Diameter, Cast Bronze Cross	258.37	111.43
		For Silver Solder Instead Of 95/5 Solder, Add	*29.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.08*	
		For Work In Restricted Working Space, Add	*50.17*	
22 11 16 00-0647	EA	2" Diameter, Cast Bronze Cross	393.28	124.99
		For Silver Solder Instead Of 95/5 Solder, Add	*38.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.11*	
		For Work In Restricted Working Space, Add	*56.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0648	EA	2-1/2" Diameter, Cast Bronze Cross	604.50	138.39
		For Silver Solder Instead Of 95/5 Solder, Add	*50.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-40.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.14*	
		For Work In Restricted Working Space, Add	*62.28*	

22 11 16 00-0649 Flexible Corrugated Copper Supply Line *(22 11 16 00-0450)*

22 11 16 00-0650	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	99.97	42.90
22 11 16 00-0651	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	104.28	42.90
22 11 16 00-0652	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	92.23	42.90
22 11 16 00-0653	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	97.10	42.90
22 11 16 00-0654	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	101.41	42.90
22 11 16 00-0655	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	104.28	42.90

22 11 16 00-0656 Crimped Copper Fittings *(22 11 16 00-0383)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0657 Crimped Copper 90 Degree Elbows *(22 11 16 00-0656)*

22 11 16 00-0658	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	31.18	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*0.45*	
22 11 16 00-0659	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	37.20	21.44
		For Work In Restricted Working Space, Add	*9.63*	
		For Natural Gas Fittings, 125 PSI, Add	*0.77*	
22 11 16 00-0660	EA	1" Diameter, Crimped Copper 90 Degree Elbow	48.59	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*1.54*	
22 11 16 00-0661	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	62.94	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*3.10*	
22 11 16 00-0662	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	86.10	31.31
		For Work In Restricted Working Space, Add	*14.09*	
		For Natural Gas Fittings, 125 PSI, Add	*5.87*	
22 11 16 00-0663	EA	2" Diameter, Crimped Copper 90 Degree Elbow	110.75	37.58
		For Work In Restricted Working Space, Add	*16.91*	
		For Natural Gas Fittings, 125 PSI, Add	*8.16*	
22 11 16 00-0664	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	223.73	43.83
		For Work In Restricted Working Space, Add	*19.73*	
		For Natural Gas Fittings, 125 PSI, Add	*23.70*	
22 11 16 00-0665	EA	3" Diameter, Crimped Copper 90 Degree Elbow	277.02	52.13
		For Work In Restricted Working Space, Add	*23.48*	
		For Natural Gas Fittings, 125 PSI, Add	*29.81*	
22 11 16 00-0666	EA	4" Diameter, Crimped Copper 90 Degree Elbow	349.22	68.88
		For Work In Restricted Working Space, Add	*31.00*	
		For Natural Gas Fittings, 125 PSI, Add	*36.89*	

22 11 16 00-0667 Crimped Copper 45 Degree Elbows *(22 11 16 00-0656)*

22 11 16 00-0668	EA	1/2" Crimped Copper 45 Degree Elbow	31.68	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*0.53*	
22 11 16 00-0669	EA	3/4" Crimped Copper 45 Degree Elbow	36.40	21.44
		For Work In Restricted Working Space, Add	*9.63*	
		For Natural Gas Fittings, 125 PSI, Add	*0.65*	
22 11 16 00-0670	EA	1" Crimped Copper 45 Degree Elbow	52.20	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*2.08*	
22 11 16 00-0671	EA	1-1/4" Crimped Copper 45 Degree Elbow	62.14	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*2.98*	
22 11 16 00-0672	EA	1-1/2" Crimped Copper 45 Degree Elbow	79.18	31.31
		For Work In Restricted Working Space, Add	*14.09*	
		For Natural Gas Fittings, 125 PSI, Add	*4.83*	
22 11 16 00-0673	EA	2" Crimped Copper 45 Degree Elbow	101.42	37.58
		For Work In Restricted Working Space, Add	*16.91*	
		For Natural Gas Fittings, 125 PSI, Add	*6.76*	
22 11 16 00-0674	EA	2-1/2" Crimped Copper 45 Degree Elbow	170.11	43.83
		For Work In Restricted Working Space, Add	*19.73*	
		For Natural Gas Fittings, 125 PSI, Add	*15.65*	
22 11 16 00-0675	EA	3" Crimped Copper 45 Degree Elbow	227.36	52.13
		For Work In Restricted Working Space, Add	*23.48*	
		For Natural Gas Fittings, 125 PSI, Add	*22.36*	
22 11 16 00-0676	EA	4" Crimped Copper 45 Degree Elbow	310.38	68.88
		For Work In Restricted Working Space, Add	*31.00*	
		For Natural Gas Fittings, 125 PSI, Add	*31.06*	

22 11 16 00-0677 Crimped Copper Straight Tees *(22 11 16 00-0656)*

22 11 16 00-0678	EA	1/2" Diameter, Crimped Copper Straight Tee	46.88	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*0.69*	
22 11 16 00-0679	EA	3/4" Diameter, Crimped Copper Straight Tee	63.70	37.10
		For Work In Restricted Working Space, Add	*16.67*	
		For Natural Gas Fittings, 125 PSI, Add	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0680	EA	1" Diameter, Crimped Copper Straight Tee	76.49	41.17
		For Work In Restricted Working Space, Add	*18.55*	
		For Natural Gas Fittings, 125 PSI, Add	*2.20*	
22 11 16 00-0681	EA	1-1/4" Diameter, Crimped Copper Straight Tee	88.18	42.27
		For Work In Restricted Working Space, Add	*19.02*	
		For Natural Gas Fittings, 125 PSI, Add	*3.72*	
22 11 16 00-0682	EA	1-1/2" Diameter, Crimped Copper Straight Tee	120.17	48.05
		For Work In Restricted Working Space, Add	*21.60*	
		For Natural Gas Fittings, 125 PSI, Add	*7.22*	
22 11 16 00-0683	EA	2" Diameter, Crimped Copper Straight Tee	144.03	56.36
		For Work In Restricted Working Space, Add	*25.36*	
		For Natural Gas Fittings, 125 PSI, Add	*8.93*	
22 11 16 00-0684	EA	2-1/2" Diameter, Crimped Copper Straight Tee	293.80	65.75
		For Work In Restricted Working Space, Add	*29.59*	
		For Natural Gas Fittings, 125 PSI, Add	*29.28*	
22 11 16 00-0685	EA	3" Diameter, Crimped Copper Straight Tee	361.38	78.27
		For Work In Restricted Working Space, Add	*35.22*	
		For Natural Gas Fittings, 125 PSI, Add	*36.60*	
22 11 16 00-0686	EA	4" Diameter, Crimped Copper Straight Tee	497.31	103.32
		For Work In Restricted Working Space, Add	*46.49*	
		For Natural Gas Fittings, 125 PSI, Add	*51.35*	

22 11 16 00-0687 Crimped Copper Reducing Tees *(22 11 16 00-0656)*

22 11 16 00-0688	EA	3/4" Diameter, Crimped Copper Reducing Tee	52.78	26.77
		For Work In Restricted Working Space, Add	*12.07*	
		For Natural Gas Fittings, 125 PSI, Add	*1.88*	
22 11 16 00-0689	EA	1" Diameter, Crimped Copper Reducing Tee	75.04	35.23
		For Work In Restricted Working Space, Add	*15.83*	
		For Natural Gas Fittings, 125 PSI, Add	*3.34*	
22 11 16 00-0690	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	81.38	39.14
		For Work In Restricted Working Space, Add	*17.61*	
		For Natural Gas Fittings, 125 PSI, Add	*3.40*	
22 11 16 00-0691	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	103.02	40.24
		For Work In Restricted Working Space, Add	*18.08*	
		For Natural Gas Fittings, 125 PSI, Add	*6.41*	
22 11 16 00-0692	EA	2" Diameter, Crimped Copper Reducing Tee	122.50	45.56
		For Work In Restricted Working Space, Add	*20.52*	
		For Natural Gas Fittings, 125 PSI, Add	*8.11*	
22 11 16 00-0693	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	307.55	51.66
		For Work In Restricted Working Space, Add	*23.48*	
		For Natural Gas Fittings, 125 PSI, Add	*34.39*	
22 11 16 00-0694	EA	3" Diameter, Crimped Copper Reducing Tee	374.60	62.62
		For Work In Restricted Working Space, Add	*28.18*	
		For Natural Gas Fittings, 125 PSI, Add	*42.10*	
22 11 16 00-0695	EA	4" Diameter, Crimped Copper Reducing Tee	444.58	83.44
		For Work In Restricted Working Space, Add	*37.57*	
		For Natural Gas Fittings, 125 PSI, Add	*47.90*	

22 11 16 00-0696 Crimped Copper Couplings *(22 11 16 00-0656)*

22 11 16 00-0697	EA	1/2" Diameter, Crimped Copper Coupling	30.88	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*0.41*	
22 11 16 00-0698	EA	3/4" Diameter, Crimped Copper Coupling	36.21	21.44
		For Work In Restricted Working Space, Add	*9.63*	
		For Natural Gas Fittings, 125 PSI, Add	*0.62*	
22 11 16 00-0699	EA	1" Diameter, Crimped Copper Coupling	46.67	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*1.25*	
22 11 16 00-0700	EA	1-1/4" Diameter, Crimped Copper Coupling	52.61	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*1.55*	
22 11 16 00-0701	EA	1-1/2" Diameter, Crimped Copper Coupling	66.23	31.31
		For Work In Restricted Working Space, Add	*14.09*	
		For Natural Gas Fittings, 125 PSI, Add	*2.89*	
22 11 16 00-0702	EA	2" Diameter, Crimped Copper Coupling	80.95	37.58
		For Work In Restricted Working Space, Add	*16.91*	
		For Natural Gas Fittings, 125 PSI, Add	*3.69*	
22 11 16 00-0703	EA	2-1/2" Diameter, Crimped Copper Coupling	144.43	43.83
		For Work In Restricted Working Space, Add	*19.73*	
		For Natural Gas Fittings, 125 PSI, Add	*11.80*	
22 11 16 00-0704	EA	3" Diameter, Crimped Copper Coupling	178.47	52.13
		For Work In Restricted Working Space, Add	*23.48*	
		For Natural Gas Fittings, 125 PSI, Add	*15.03*	
22 11 16 00-0705	EA	4" Diameter, Crimped Copper Coupling	242.46	68.88
		For Work In Restricted Working Space, Add	*31.00*	
		For Natural Gas Fittings, 125 PSI, Add	*20.87*	

22 11 16 00-0706 Crimped Copper Reducing Couplings *(22 11 16 00-0656)*

22 11 16 00-0707	EA	3/4" Diameter, Crimped Copper Reducing Coupling	39.12	17.85
		For Work In Restricted Working Space, Add	*8.03*	
		For Natural Gas Fittings, 125 PSI, Add	*1.85*	
22 11 16 00-0708	EA	1" Diameter, Crimped Copper Reducing Coupling	44.67	20.35
		For Work In Restricted Working Space, Add	*9.16*	
		For Natural Gas Fittings, 125 PSI, Add	*2.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0709	EA	1-1/4" Diameter, Crimped Copper Reducing Coupling	57.06	24.26
		For Work In Restricted Working Space, Add	*10.94*	
		For Natural Gas Fittings, 125 PSI, Add	*3.09*	
22 11 16 00-0710	EA	1-1/2" Diameter, Crimped Copper Reducing Coupling	70.54	26.77
		For Work In Restricted Working Space, Add	*12.07*	
		For Natural Gas Fittings, 125 PSI, Add	*4.55*	
22 11 16 00-0711	EA	2" Diameter, Crimped Copper Reducing Coupling	78.73	29.75
		For Work In Restricted Working Space, Add	*13.39*	
		For Natural Gas Fittings, 125 PSI, Add	*5.12*	
22 11 16 00-0712	EA	2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling	146.17	35.54
		For Work In Restricted Working Space, Add	*15.97*	
		For Natural Gas Fittings, 125 PSI, Add	*13.94*	
22 11 16 00-0713	EA	3" Diameter, Crimped Copper FTG x C Reducing Coupling	181.17	41.80
		For Work In Restricted Working Space, Add	*18.79*	
		For Natural Gas Fittings, 125 PSI, Add	*17.78*	
22 11 16 00-0714	EA	4" Diameter, Crimped Copper FTG x C Reducing Coupling	235.92	55.26
		For Work In Restricted Working Space, Add	*24.89*	
		For Natural Gas Fittings, 125 PSI, Add	*22.94*	

22 11 16 00-0715 Crimped Copper Male Adapters *(22 11 16 00-0656)*

22 11 16 00-0716	EA	1/2" Diameter, Crimped Copper Male Adapter	31.49	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*0.50*	
22 11 16 00-0717	EA	3/4" Diameter, Crimped Copper Male Adapter	38.11	21.44
		For Work In Restricted Working Space, Add	*9.63*	
		For Natural Gas Fittings, 125 PSI, Add	*0.90*	
22 11 16 00-0718	EA	1" Diameter, Crimped Copper Male Adapter	49.38	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*1.65*	
22 11 16 00-0719	EA	1-1/4" Diameter, Crimped Copper Male Adapter	66.45	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*3.63*	
22 11 16 00-0720	EA	1-1/2" Diameter, Crimped Copper Male Adapter	80.89	31.31
		For Work In Restricted Working Space, Add	*14.09*	
		For Natural Gas Fittings, 125 PSI, Add	*5.09*	
22 11 16 00-0721	EA	2" Diameter, Crimped Copper Male Adapter	121.68	37.58
		For Work In Restricted Working Space, Add	*16.91*	
		For Natural Gas Fittings, 125 PSI, Add	*9.80*	
22 11 16 00-0722	EA	2-1/2" Diameter, Crimped Copper Male Adapter	223.73	43.83
		For Work In Restricted Working Space, Add	*19.73*	
		For Natural Gas Fittings, 125 PSI, Add	*23.70*	
22 11 16 00-0723	EA	3" Diameter, Crimped Copper Male Adapter	277.02	52.13
		For Work In Restricted Working Space, Add	*23.48*	
		For Natural Gas Fittings, 125 PSI, Add	*29.81*	
22 11 16 00-0724	EA	4" Diameter, Crimped Copper Male Adapter	333.38	68.88
		For Work In Restricted Working Space, Add	*31.00*	
		For Natural Gas Fittings, 125 PSI, Add	*34.51*	

22 11 16 00-0725 Crimped Copper Female Adapters *(22 11 16 00-0656)*

22 11 16 00-0726	EA	1/2" Diameter, Crimped Copper Female Adapter	32.18	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*0.60*	
22 11 16 00-0727	EA	3/4" Diameter, Crimped Copper Female Adapter	38.62	21.44
		For Work In Restricted Working Space, Add	*9.63*	
		For Natural Gas Fittings, 125 PSI, Add	*0.98*	
22 11 16 00-0728	EA	1" Diameter, Crimped Copper Female Adapter	50.39	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*1.81*	
22 11 16 00-0729	EA	1-1/4" Diameter, Crimped Copper Female Adapter	69.46	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*4.08*	
22 11 16 00-0730	EA	1-1/2" Diameter, Crimped Copper Female Adapter	86.51	31.31
		For Work In Restricted Working Space, Add	*14.09*	
		For Natural Gas Fittings, 125 PSI, Add	*5.93*	
22 11 16 00-0731	EA	2" Diameter, Crimped Copper Female Adapter	123.49	37.58
		For Work In Restricted Working Space, Add	*16.91*	
		For Natural Gas Fittings, 125 PSI, Add	*10.07*	

22 11 16 00-0732 Crimped Copper Caps *(22 11 16 00-0656)*

22 11 16 00-0733	EA	1/2" Diameter, Crimped Copper Cap	19.91	9.39
		For Work In Restricted Working Space, Add	*4.23*	
		For Natural Gas Fittings, 125 PSI, Add	*0.87*	
22 11 16 00-0734	EA	3/4" Diameter, Crimped Copper Cap	26.26	10.96
		For Work In Restricted Working Space, Add	*4.93*	
		For Natural Gas Fittings, 125 PSI, Add	*1.47*	
22 11 16 00-0735	EA	1" Diameter, Crimped Copper Cap	33.93	12.53
		For Work In Restricted Working Space, Add	*5.63*	
		For Natural Gas Fittings, 125 PSI, Add	*2.27*	
22 11 16 00-0736	EA	1-1/4" Diameter, Crimped Copper Cap	38.29	14.09
		For Work In Restricted Working Space, Add	*6.34*	
		For Natural Gas Fittings, 125 PSI, Add	*2.57*	
22 11 16 00-0737	EA	1-1/2" Diameter, Crimped Copper Cap	50.85	16.12
		For Work In Restricted Working Space, Add	*7.28*	
		For Natural Gas Fittings, 125 PSI, Add	*3.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0738	EA	2" Diameter, Crimped Copper Cap	60.47	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*4.85*	
22 11 16 00-0739	EA	2-1/2" Diameter, Crimped Copper Cap	136.17	21.92
		For Work In Restricted Working Space, Add	*9.86*	
		For Natural Gas Fittings, 125 PSI, Add	*15.50*	
22 11 16 00-0740	EA	3" Diameter, Crimped Copper Cap	169.87	26.14
		For Work In Restricted Working Space, Add	*11.74*	
		For Natural Gas Fittings, 125 PSI, Add	*19.61*	
22 11 16 00-0741	EA	4" Diameter, Crimped Copper Cap	225.87	34.44
		For Work In Restricted Working Space, Add	*15.50*	
		For Natural Gas Fittings, 125 PSI, Add	*26.13*	

22 11 16 00-0742 C x F NPT Crimped Bronze Unions *(22 11 16 00-0656)*

22 11 16 00-0743	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	55.41	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*2.56*	
22 11 16 00-0744	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	68.99	31.47
		For Work In Restricted Working Space, Add	*14.14*	
		For Natural Gas Fittings, 125 PSI, Add	*3.28*	
22 11 16 00-0745	EA	1" Diameter, C x F NPT Crimped Bronze Union	92.84	37.73
		For Work In Restricted Working Space, Add	*16.95*	
		For Natural Gas Fittings, 125 PSI, Add	*5.45*	
22 11 16 00-0746	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	111.40	43.52
		For Work In Restricted Working Space, Add	*19.63*	
		For Natural Gas Fittings, 125 PSI, Add	*6.89*	
22 11 16 00-0747	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	136.12	42.58
		For Work In Restricted Working Space, Add	*19.16*	
		For Natural Gas Fittings, 125 PSI, Add	*10.84*	
22 11 16 00-0748	EA	2" Diameter, C x F NPT Crimped Bronze Union	188.08	61.68
		For Work In Restricted Working Space, Add	*27.71*	
		For Natural Gas Fittings, 125 PSI, Add	*14.36*	

22 11 16 00-0749 C x C Crimped Bronze Unions *(22 11 16 00-0656)*

22 11 16 00-0750	EA	1/2" Diameter, C x C Bronze Crimped Union	49.44	18.78
		For Work In Restricted Working Space, Add	*8.45*	
		For Natural Gas Fittings, 125 PSI, Add	*3.19*	
22 11 16 00-0751	EA	3/4" Diameter, C x C Bronze Crimped Union	59.98	21.44
		For Work In Restricted Working Space, Add	*9.63*	
		For Natural Gas Fittings, 125 PSI, Add	*4.18*	
22 11 16 00-0752	EA	1" Diameter, C x C Bronze Crimped Union	82.90	25.51
		For Work In Restricted Working Space, Add	*11.51*	
		For Natural Gas Fittings, 125 PSI, Add	*6.68*	
22 11 16 00-0753	EA	1-1/4" Diameter, C x C Bronze Crimped Union	105.88	28.17
		For Work In Restricted Working Space, Add	*12.68*	
		For Natural Gas Fittings, 125 PSI, Add	*9.54*	
22 11 16 00-0754	EA	1-1/2" Diameter, C x C Bronze Crimped Union	133.36	31.31
		For Work In Restricted Working Space, Add	*14.09*	
		For Natural Gas Fittings, 125 PSI, Add	*12.96*	
22 11 16 00-0755	EA	2" Diameter, C x C Bronze Crimped Union	197.44	37.58
		For Work In Restricted Working Space, Add	*16.91*	
		For Natural Gas Fittings, 125 PSI, Add	*21.16*	

22 11 16 00-0756 C x Flange Crimped Bronze Flange *(22 11 16 00-0656)*

22 11 16 00-0757	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	367.82	43.83
		For Work In Restricted Working Space, Add	*19.73*	
22 11 16 00-0758	EA	3" Diameter, C x Flange Crimped Bronze Flange	403.40	52.13
		For Work In Restricted Working Space, Add	*23.48*	
22 11 16 00-0759	EA	4" Diameter, C x Flange Crimped Bronze Flange	467.29	68.88
		For Work In Restricted Working Space, Add	*31.00*	

22 11 16 00-0760 Field Installed FKM Seals *(22 11 16 00-0656)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0761	EA	1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	8.74	
		For Work In Restricted Working Space, Add	*2.11*	
22 11 16 00-0762	EA	3/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	10.83	
		For Work In Restricted Working Space, Add	*2.47*	
22 11 16 00-0763	EA	1" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.40	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0764	EA	1-1/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	14.19	
		For Work In Restricted Working Space, Add	*3.17*	
22 11 16 00-0765	EA	1-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	18.96	
		For Work In Restricted Working Space, Add	*3.64*	
22 11 16 00-0766	EA	2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	21.31	
		For Work In Restricted Working Space, Add	*4.23*	
22 11 16 00-0767	EA	2-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	30.18	
		For Work In Restricted Working Space, Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0768	EA	3" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	34.92	
		For Work In Restricted Working Space, Add	*5.87*	
22 11 16 00-0769	EA	4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	47.30	
		For Work In Restricted Working Space, Add	*7.75*	

22 11 16 00-0770 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0383)*

22 11 16 00-0771	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	15.66	
22 11 16 00-0772	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.91	
22 11 16 00-0773	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.02	
22 11 16 00-0774	EA	1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.96	
22 11 16 00-0775	EA	1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	21.13	
22 11 16 00-0776	EA	2" Diameter, Cut And Prepare Existing In Place Copper Pipe	23.25	
22 11 16 00-0777	EA	2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	25.05	
22 11 16 00-0778	EA	3" Diameter, Cut And Prepare Existing In Place Copper Pipe	29.58	
22 11 16 00-0779	EA	4" Diameter, Cut And Prepare Existing In Place Copper Pipe	39.92	
22 11 16 00-0780	EA	6" Diameter, Cut And Prepare Existing In Place Copper Pipe	57.05	
22 11 16 00-0781	EA	8" Diameter, Cut And Prepare Existing In Place Copper Pipe	76.08	

22 11 16 00-0782 Sweat Brass Companion Flanges *(22 11 16 00-0383)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0783	EA	1" Diameter, Sweat Brass Companion Flange	67.02	24.08
22 11 16 00-0784	EA	1-1/4" Diameter, Sweat Brass Companion Flange	73.28	26.53
22 11 16 00-0785	EA	1-1/2" Diameter, Sweat Brass Companion Flange	99.34	28.83
22 11 16 00-0786	EA	2" Diameter, Sweat Brass Companion Flange	128.93	32.00
22 11 16 00-0787	EA	2-1/2" Diameter, Sweat Brass Companion Flange	182.14	38.49
22 11 16 00-0788	EA	3" Diameter, Sweat Brass Companion Flange	204.50	50.46
22 11 16 00-0789	EA	4" Diameter, Sweat Brass Companion Flange	269.85	60.12
22 11 16 00-0790	EA	5" Diameter, Sweat Brass Companion Flange	510.01	72.33
22 11 16 00-0791	EA	6" Diameter, Sweat Brass Companion Flange	603.73	105.09
22 11 16 00-0792	EA	8" Diameter, Copper Companion Flange	1,324.03	149.90

22 11 16 00-0793 Brass Compression Fittings *(22 11 16 00-0383)*

22 11 16 00-0794 Brass Compression Unions *(22 11 16 00-0793)*

22 11 16 00-0795	EA	1/4" Diameter, Brass Compression Union	26.42	16.91
22 11 16 00-0796	EA	3/8" Diameter, Brass Compression Union	26.72	16.91
22 11 16 00-0797	EA	1/2" Diameter, Brass Compression Union	27.63	16.91
22 11 16 00-0798	EA	5/8" Diameter, Brass Compression Union	28.06	16.91
22 11 16 00-0799	EA	3/4" Diameter, Brass Compression Union	37.22	16.91

22 11 16 00-0800 Brass Compression Union Elbows *(22 11 16 00-0793)*

22 11 16 00-0801	EA	1/4" Diameter, Brass Compression Union Elbow	27.63	16.91
22 11 16 00-0802	EA	3/8" Diameter, Brass Compression Union Elbow	28.12	16.91
22 11 16 00-0803	EA	1/2" Diameter, Brass Compression Union Elbow	29.20	16.91
22 11 16 00-0804	EA	5/8" Diameter, Brass Compression Union Elbow	30.87	16.91
22 11 16 00-0805	EA	3/4" Diameter, Brass Compression Union Elbow	37.40	16.91
22 11 16 00-0806	EA	3/8" x 1/4" Diameter, Brass Compression Union Elbow	28.12	16.91
22 11 16 00-0807	EA	1/2" x 3/8" Diameter, Brass Compression Union Elbow	29.20	16.91
22 11 16 00-0808	EA	5/8" x 3/8" Diameter, Brass Compression Union Elbow	29.50	16.91
22 11 16 00-0809	EA	5/8" x 1/2" Diameter, Brass Compression Union Elbow	34.40	16.91

22 11 16 00-0810 Brass Compression Union Tees *(22 11 16 00-0793)*

22 11 16 00-0811	EA	1/4" Diameter, Brass Compression Union Tee	28.00	16.91
22 11 16 00-0812	EA	3/8" Diameter, Brass Compression Union Tee	29.02	16.91
22 11 16 00-0813	EA	1/2" Diameter, Brass Compression Union Tee	30.10	16.91
22 11 16 00-0814	EA	5/8" Diameter, Brass Compression Union Tee	33.51	16.91
22 11 16 00-0815	EA	3/4" Diameter, Brass Compression Union Tee	45.29	16.91
22 11 16 00-0816	EA	3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	29.74	16.91
22 11 16 00-0817	EA	1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	35.27	16.91
22 11 16 00-0818	EA	5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	34.74	16.91
22 11 16 00-0819	EA	5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	35.36	16.91

22 11 16 00-0820 Brass Compression Male Connectors *(22 11 16 00-0793)*

22 11 16 00-0821	EA	1/4" Diameter, Brass Compression Male Connector	26.21	16.91
22 11 16 00-0822	EA	3/8" Diameter, Brass Compression Male Connector	26.60	16.91
22 11 16 00-0823	EA	1/2" Diameter, Brass Compression Male Connector	27.28	16.91
22 11 16 00-0824	EA	5/8" Diameter, Brass Compression Male Connector	28.30	16.91
22 11 16 00-0825	EA	3/4" Diameter, Brass Compression Male Connector	33.65	16.75

22 11 16 00-0826 Brass Compression Female Connectors *(22 11 16 00-0793)*

22 11 16 00-0827	EA	1/4" Diameter, Brass Compression Female Connector	26.64	16.91
22 11 16 00-0828	EA	3/8" Diameter, Brass Compression Female Connector	27.15	16.91
22 11 16 00-0829	EA	1/2" Diameter, Brass Compression Female Connector	28.02	16.91
22 11 16 00-0830	EA	5/8" Diameter, Brass Compression Female Connector	28.50	16.91
22 11 16 00-0831	EA	3/4" Diameter, Brass Compression Female Connector	41.91	16.60

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0832			Dielectric Fittings *(22 11 16 00-0383)*		
22 11 16 00-0833			Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0832)*		
	22 11 16 00-0834	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	64.00	37.58
	22 11 16 00-0835	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	71.83	42.90
	22 11 16 00-0836	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	83.94	47.14
	22 11 16 00-0837	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	99.65	51.90
	22 11 16 00-0838	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	118.46	57.67
	22 11 16 00-0839	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	148.83	69.20
22 11 16 00-0840			Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0832)*		
	22 11 16 00-0841	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	68.83	37.58
	22 11 16 00-0842	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	79.79	42.90
	22 11 16 00-0843	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	94.43	47.14
	22 11 16 00-0844	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	113.56	51.90
	22 11 16 00-0845	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	135.67	57.67
	22 11 16 00-0846	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	169.01	69.20
22 11 16 00-0847			Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0832)*		
	22 11 16 00-0848	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	65.77	37.58
	22 11 16 00-0849	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	74.74	42.90
	22 11 16 00-0850	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	84.71	47.14
	22 11 16 00-0851	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	96.96	51.90
	22 11 16 00-0852	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	115.79	57.67
	22 11 16 00-0853	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	146.69	69.20
22 11 16 00-0854			Copper x Female Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0832)*		
	22 11 16 00-0855	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	366.09	177.89
	22 11 16 00-0856	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	458.82	224.03
	22 11 16 00-0857	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	642.49	304.91
22 11 16 00-0858			Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0832)*		
	22 11 16 00-0859	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	368.07	177.89
	22 11 16 00-0860	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	474.66	224.03
	22 11 16 00-0861	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	825.14	304.91
22 11 16 00-0862			Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)* Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
	22 11 16 00-0863	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	30.13	4.38
			For Type K Tubing Instead Of Type L, Add	*1.96*	
			For Type M Tubing Instead Of Type L, Deduct	*-1.66*	
			For Silver Solder Instead Of 95/5 Solder, Add	*3.96*	
			For For Brazed Fittings, Add	*0.98*	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.73*	
			For Work In Restricted Working Space, Add	*7.35*	
	22 11 16 00-0864	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	34.93	5.63
			For Type K Tubing Instead Of Type L, Add	*2.36*	
			For Type M Tubing Instead Of Type L, Deduct	*-1.97*	
			For Silver Solder Instead Of 95/5 Solder, Add	*4.52*	
			For For Brazed Fittings, Add	*1.11*	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.13*	
			For Work In Restricted Working Space, Add	*8.33*	
	22 11 16 00-0865	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	38.45	6.73
			For Type K Tubing Instead Of Type L, Add	*2.80*	
			For Type M Tubing Instead Of Type L, Deduct	*-2.29*	
			For Silver Solder Instead Of 95/5 Solder, Add	*4.83*	
			For For Brazed Fittings, Add	*1.16*	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.38*	
			For Work In Restricted Working Space, Add	*8.72*	
	22 11 16 00-0866	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	43.21	7.83
			For Type K Tubing Instead Of Type L, Add	*3.47*	
			For Type M Tubing Instead Of Type L, Deduct	*-2.77*	
			For Silver Solder Instead Of 95/5 Solder, Add	*5.18*	
			For For Brazed Fittings, Add	*1.21*	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.67*	
			For Work In Restricted Working Space, Add	*9.07*	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0867	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	48.05	8.93
		For Type K Tubing Instead Of Type L, Add	*4.05*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.19*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.62*	
		For For Brazed Fittings, Add	*1.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.01*	
		For Work In Restricted Working Space, Add	*9.67*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.58*	
22 11 16 00-0868	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	60.58	11.11
		For Type K Tubing Instead Of Type L, Add	*5.58*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.30*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.74*	
		For For Brazed Fittings, Add	*1.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.88*	
		For Work In Restricted Working Space, Add	*11.12*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.35*	
22 11 16 00-0869	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	74.57	13.41
		For Type K Tubing Instead Of Type L, Add	*7.66*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.71*	
		For For Brazed Fittings, Add	*1.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.72*	
		For Work In Restricted Working Space, Add	*11.93*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.48*	
22 11 16 00-0870	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	90.40	15.57
		For Type K Tubing Instead Of Type L, Add	*9.98*	
		For Type M Tubing Instead Of Type L, Deduct	*-7.40*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.83*	
		For For Brazed Fittings, Add	*1.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.67*	
		For Work In Restricted Working Space, Add	*12.92*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.73*	
22 11 16 00-0871	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	140.16	20.62
		For Type K Tubing Instead Of Type L, Add	*16.96*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.36*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.58*	
		For For Brazed Fittings, Add	*2.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.79*	
		For Work In Restricted Working Space, Add	*16.71*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-8.45*	
22 11 16 00-0872	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	243.24	25.66
		For Type K Tubing Instead Of Type L, Add	*32.81*	
		For Type M Tubing Instead Of Type L, Deduct	*-23.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.31*	
		For For Brazed Fittings, Add	*2.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.74*	
		For Work In Restricted Working Space, Add	*21.45*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-17.17*	
22 11 16 00-0873	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	317.44	30.99
		For Type K Tubing Instead Of Type L, Add	*43.16*	
		For Type M Tubing Instead Of Type L, Deduct	*-30.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.95*	
		For For Brazed Fittings, Add	*3.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.41*	
		For Work In Restricted Working Space, Add	*27.25*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-22.66*	
22 11 16 00-0874	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	662.68	37.05
		For Type K Tubing Instead Of Type L, Add	*100.40*	
		For Type M Tubing Instead Of Type L, Deduct	*-70.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*44.42*	
		For For Brazed Fittings, Add	*4.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.78*	
		For Work In Restricted Working Space, Add	*33.86*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-54.98*	

22 11 16 00-0875 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*
Note: Socket weld.

22 11 16 00-0876 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0875)*

22 11 16 00-0877 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0876)*

22 11 16 00-0878	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.27	2.31
		For Work In Restricted Working Space, Add	*1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0879	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.12	2.42
		For Work In Restricted Working Space, Add	*1.82*	
22 11 16 00-0880	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	9.53	2.61
		For Work In Restricted Working Space, Add	*1.95*	
22 11 16 00-0881	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.29	2.84
		For Work In Restricted Working Space, Add	*2.14*	
22 11 16 00-0882	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	12.92	3.15
		For Work In Restricted Working Space, Add	*2.36*	
22 11 16 00-0883	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	15.77	3.52
		For Work In Restricted Working Space, Add	*2.63*	
22 11 16 00-0884	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	20.69	3.99
		For Work In Restricted Working Space, Add	*3.00*	
22 11 16 00-0885	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	26.10	4.73
		For Work In Restricted Working Space, Add	*3.54*	
22 11 16 00-0886	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	35.48	5.81
		For Work In Restricted Working Space, Add	*4.36*	
22 11 16 00-0887	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	59.01	7.38
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0888	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	84.01	9.69
		For Work In Restricted Working Space, Add	*7.27*	
22 11 16 00-0889		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0876)*		
22 11 16 00-0890	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	29.74	10.96
		For Work In Restricted Working Space, Add	*8.22*	
22 11 16 00-0891	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	38.25	13.84
		For Work In Restricted Working Space, Add	*10.38*	
22 11 16 00-0892	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	49.17	17.30
		For Work In Restricted Working Space, Add	*13.02*	
22 11 16 00-0893	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	65.33	21.63
		For Work In Restricted Working Space, Add	*16.26*	
22 11 16 00-0894	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	72.53	23.93
		For Work In Restricted Working Space, Add	*17.99*	
22 11 16 00-0895	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	83.83	23.93
		For Work In Restricted Working Space, Add	*20.07*	
22 11 16 00-0896	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	120.24	30.42
		For Work In Restricted Working Space, Add	*22.84*	
22 11 16 00-0897	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	137.90	36.04
		For Work In Restricted Working Space, Add	*26.99*	
22 11 16 00-0898	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	190.67	44.26
		For Work In Restricted Working Space, Add	*33.22*	
22 11 16 00-0899	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	240.91	56.23
		For Work In Restricted Working Space, Add	*42.21*	
22 11 16 00-0900	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	429.79	73.81
		For Work In Restricted Working Space, Add	*55.36*	
22 11 16 00-0901		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0876)*		
22 11 16 00-0902	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	30.91	10.96
		For Work In Restricted Working Space, Add	*8.22*	
22 11 16 00-0903	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	39.66	13.84
		For Work In Restricted Working Space, Add	*10.38*	
22 11 16 00-0904	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	51.45	17.30
		For Work In Restricted Working Space, Add	*13.02*	
22 11 16 00-0905	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	68.33	21.63
		For Work In Restricted Working Space, Add	*16.26*	
22 11 16 00-0906	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	76.19	23.93
		For Work In Restricted Working Space, Add	*17.99*	
22 11 16 00-0907	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	85.07	26.82
		For Work In Restricted Working Space, Add	*20.07*	
22 11 16 00-0908	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	121.02	30.42
		For Work In Restricted Working Space, Add	*22.84*	
22 11 16 00-0909	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	137.80	36.04
		For Work In Restricted Working Space, Add	*26.99*	
22 11 16 00-0910	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	176.34	44.26
		For Work In Restricted Working Space, Add	*33.22*	
22 11 16 00-0911	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	267.77	56.23
		For Work In Restricted Working Space, Add	*42.21*	
22 11 16 00-0912	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	448.82	73.81
		For Work In Restricted Working Space, Add	*55.36*	
22 11 16 00-0913		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0876)*		
22 11 16 00-0914	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	45.36	16.43
		For Work In Restricted Working Space, Add	*12.32*	
22 11 16 00-0915	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	58.72	20.76
		For Work In Restricted Working Space, Add	*15.57*	
22 11 16 00-0916	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	73.55	26.09
		For Work In Restricted Working Space, Add	*19.55*	
22 11 16 00-0917	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	99.00	32.58
		For Work In Restricted Working Space, Add	*24.39*	
22 11 16 00-0918	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	110.23	36.04
		For Work In Restricted Working Space, Add	*26.99*	
22 11 16 00-0919	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	130.56	40.08
		For Work In Restricted Working Space, Add	*30.10*	
22 11 16 00-0920	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	163.84	45.70
		For Work In Restricted Working Space, Add	*34.25*	

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22 11 16 00-0921	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	188.97	53.92
		For Work In Restricted Working Space, Add	*40.48*	
22 11 16 00-0922	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	229.91	66.46
		For Work In Restricted Working Space, Add	*49.82*	
22 11 16 00-0923	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	335.77	84.48
		For Work In Restricted Working Space, Add	*63.32*	
22 11 16 00-0924	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	633.85	110.72
		For Work In Restricted Working Space, Add	*83.04*	

22 11 16 00-0925 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0876)*

22 11 16 00-0926	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	58.46	21.91
		For Work In Restricted Working Space, Add	*16.43*	
22 11 16 00-0927	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	75.08	27.67
		For Work In Restricted Working Space, Add	*20.76*	
22 11 16 00-0928	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	94.01	34.74
		For Work In Restricted Working Space, Add	*26.03*	
22 11 16 00-0929	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	123.64	43.39
		For Work In Restricted Working Space, Add	*32.52*	
22 11 16 00-0930	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	137.40	48.01
		For Work In Restricted Working Space, Add	*35.98*	
22 11 16 00-0931	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	159.83	53.48
		For Work In Restricted Working Space, Add	*40.14*	
22 11 16 00-0932	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	195.01	60.83
		For Work In Restricted Working Space, Add	*45.67*	
22 11 16 00-0933	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	226.45	71.93
		For Work In Restricted Working Space, Add	*53.97*	
22 11 16 00-0934	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	276.42	88.52
		For Work In Restricted Working Space, Add	*66.43*	
22 11 16 00-0935	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	388.83	112.59
		For Work In Restricted Working Space, Add	*84.42*	
22 11 16 00-0936	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	676.60	147.62
		For Work In Restricted Working Space, Add	*110.72*	

22 11 16 00-0937 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0876)*

22 11 16 00-0938	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	26.78	10.09
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0939	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	36.91	13.69
		For Work In Restricted Working Space, Add	*10.25*	
22 11 16 00-0940	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	57.22	17.88
		For Work In Restricted Working Space, Add	*13.41*	
22 11 16 00-0941	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	64.23	19.75
		For Work In Restricted Working Space, Add	*14.84*	
22 11 16 00-0942	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	74.64	22.06
		For Work In Restricted Working Space, Add	*16.57*	
22 11 16 00-0943	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	82.27	25.08
		For Work In Restricted Working Space, Add	*18.86*	
22 11 16 00-0944	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	99.11	29.70
		For Work In Restricted Working Space, Add	*22.27*	
22 11 16 00-0945	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	131.25	36.48
		For Work In Restricted Working Space, Add	*27.42*	
22 11 16 00-0946	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	200.93	46.42
		For Work In Restricted Working Space, Add	*34.82*	
22 11 16 00-0947	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	407.62	60.83
		For Work In Restricted Working Space, Add	*45.67*	

22 11 16 00-0948 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0876)*

22 11 16 00-0949	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	27.22	7.21
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0950	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	35.30	10.09
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0951	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	44.81	13.69
		For Work In Restricted Working Space, Add	*10.25*	
22 11 16 00-0952	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	56.54	17.88
		For Work In Restricted Working Space, Add	*13.41*	
22 11 16 00-0953	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	65.24	19.75
		For Work In Restricted Working Space, Add	*14.84*	
22 11 16 00-0954	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	79.66	22.06
		For Work In Restricted Working Space, Add	*16.57*	
22 11 16 00-0955	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	115.10	25.08
		For Work In Restricted Working Space, Add	*18.86*	
22 11 16 00-0956	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	210.71	29.70
		For Work In Restricted Working Space, Add	*22.27*	
22 11 16 00-0957	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	306.48	36.48
		For Work In Restricted Working Space, Add	*27.42*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0958		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters** *(22 11 16 00-0876)*		
22 11 16 00-0959	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	21.54	7.21
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0960	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	30.14	10.09
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0961	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	42.20	13.69
		For Work In Restricted Working Space, Add	*10.25*	
22 11 16 00-0962	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	56.54	17.88
		For Work In Restricted Working Space, Add	*13.41*	
22 11 16 00-0963	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	65.47	19.75
		For Work In Restricted Working Space, Add	*14.84*	
22 11 16 00-0964	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	76.89	22.06
		For Work In Restricted Working Space, Add	*16.57*	
22 11 16 00-0965	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	103.87	25.08
		For Work In Restricted Working Space, Add	*18.86*	
22 11 16 00-0966	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	123.84	29.70
		For Work In Restricted Working Space, Add	*22.27*	
22 11 16 00-0967	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	175.26	36.48
		For Work In Restricted Working Space, Add	*27.42*	
22 11 16 00-0968		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters** *(22 11 16 00-0876)*		
22 11 16 00-0969	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	22.88	7.21
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0970	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	30.57	10.09
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0971	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	42.31	13.69
		For Work In Restricted Working Space, Add	*10.25*	
22 11 16 00-0972	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	56.93	17.88
		For Work In Restricted Working Space, Add	*13.41*	
22 11 16 00-0973	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	63.68	19.75
		For Work In Restricted Working Space, Add	*14.84*	
22 11 16 00-0974	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	75.42	22.06
		For Work In Restricted Working Space, Add	*16.57*	
22 11 16 00-0975	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	104.72	25.08
		For Work In Restricted Working Space, Add	*18.86*	
22 11 16 00-0976	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	138.66	29.70
		For Work In Restricted Working Space, Add	*22.27*	
22 11 16 00-0977	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	200.46	36.48
		For Work In Restricted Working Space, Add	*27.42*	
22 11 16 00-0978		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 11 16 00-0876)*		
22 11 16 00-0979	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	19.43	6.63
		For Work In Restricted Working Space, Add	*4.93*	
22 11 16 00-0980	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	27.31	9.22
		For Work In Restricted Working Space, Add	*6.92*	
22 11 16 00-0981	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	36.70	12.40
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0982	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	49.17	16.29
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0983	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.72	18.02
		For Work In Restricted Working Space, Add	*13.49*	
22 11 16 00-0984	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	62.64	20.04
		For Work In Restricted Working Space, Add	*15.05*	
22 11 16 00-0985	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	86.97	22.77
		For Work In Restricted Working Space, Add	*17.12*	
22 11 16 00-0986	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	97.66	26.96
		For Work In Restricted Working Space, Add	*20.24*	
22 11 16 00-0987	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	122.58	33.16
		For Work In Restricted Working Space, Add	*24.91*	
22 11 16 00-0988	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	183.55	42.24
		For Work In Restricted Working Space, Add	*31.66*	
22 11 16 00-0989	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	296.49	55.36
		For Work In Restricted Working Space, Add	*41.52*	
22 11 16 00-0990		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions** *(22 11 16 00-0876)*		
22 11 16 00-0991	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	32.54	7.92
		For Work In Restricted Working Space, Add	*5.93*	
22 11 16 00-0992	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	41.08	11.10
		For Work In Restricted Working Space, Add	*8.30*	
22 11 16 00-0993	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	51.03	14.85
		For Work In Restricted Working Space, Add	*11.16*	
22 11 16 00-0994	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	81.27	19.46
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-0995	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	87.04	21.63
		For Work In Restricted Working Space, Add	*16.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0996	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	115.21	24.08
		For Work In Restricted Working Space, Add	*18.08*	
22 11 16 00-0997	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	182.43	27.39
		For Work In Restricted Working Space, Add	*20.54*	
22 11 16 00-0998	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	253.22	32.43
		For Work In Restricted Working Space, Add	*24.31*	
22 11 16 00-0999	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	392.36	39.79
		For Work In Restricted Working Space, Add	*29.89*	
22 11 16 00-1000	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	521.95	50.60
		For Work In Restricted Working Space, Add	*37.97*	
22 11 16 00-1001	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	649.03	66.46
		For Work In Restricted Working Space, Add	*49.82*	

22 11 16 00-1002 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0876)*

22 11 16 00-1003	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	15.01	6.78
		For Work In Restricted Working Space, Add	*3.08*	
22 11 16 00-1004	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	19.70	8.51
		For Work In Restricted Working Space, Add	*3.89*	
22 11 16 00-1005	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	28.15	10.67
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-1006	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	33.35	8.08
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-1007	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	35.77	8.94
		For Work In Restricted Working Space, Add	*6.75*	
22 11 16 00-1008	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	46.46	10.09
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-1009	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	67.05	11.39
		For Work In Restricted Working Space, Add	*8.56*	
22 11 16 00-1010	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	73.12	13.55
		For Work In Restricted Working Space, Add	*10.12*	
22 11 16 00-1011	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	107.96	16.57
		For Work In Restricted Working Space, Add	*12.46*	
22 11 16 00-1012	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	218.08	21.05
		For Work In Restricted Working Space, Add	*15.83*	
22 11 16 00-1013	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	281.47	27.67
		For Work In Restricted Working Space, Add	*20.76*	

22 11 16 00-1014 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges *(22 11 16 00-0876)*

22 11 16 00-1015	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	24.54	5.19
		For Work In Restricted Working Space, Add	*3.94*	
22 11 16 00-1016	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	30.69	7.35
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-1017	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	38.43	9.95
		For Work In Restricted Working Space, Add	*7.44*	
22 11 16 00-1018	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	46.61	12.98
		For Work In Restricted Working Space, Add	*9.77*	
22 11 16 00-1019	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	50.40	14.42
		For Work In Restricted Working Space, Add	*10.81*	
22 11 16 00-1020	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	59.17	16.00
		For Work In Restricted Working Space, Add	*12.02*	
22 11 16 00-1021	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	75.50	18.31
		For Work In Restricted Working Space, Add	*13.71*	
22 11 16 00-1022	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	86.42	21.63
		For Work In Restricted Working Space, Add	*16.18*	
22 11 16 00-1023	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	107.64	26.53
		For Work In Restricted Working Space, Add	*19.94*	
22 11 16 00-1024	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	149.22	33.73
		For Work In Restricted Working Space, Add	*25.34*	
22 11 16 00-1025	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	256.78	44.26
		For Work In Restricted Working Space, Add	*33.22*	

22 11 16 00-1026 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*

22 11 16 00-1027 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1026)*

Note: Aquatherm greenpipe®

22 11 16 00-1028	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.21	2.44
22 11 16 00-1029	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	7.11	2.54
22 11 16 00-1030	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	9.45	3.05
22 11 16 00-1031	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	11.57	3.28
22 11 16 00-1032	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	15.56	3.67
22 11 16 00-1033	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	20.02	3.75
22 11 16 00-1034	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	28.43	5.09
22 11 16 00-1035	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	37.25	5.89
22 11 16 00-1036	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	49.39	6.58
22 11 16 00-1037	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	58.12	7.28

22 11 16 00-1038 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1026)*

Note: Aquatherm greenpipe®

22 11 16 00-1039	LF	1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.79	2.44
22 11 16 00-1040	LF	3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	6.41	2.54
22 11 16 00-1041	LF	1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.20	3.05
22 11 16 00-1042	LF	1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	9.74	3.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1043	LF	1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	12.37	3.67
22 11 16 00-1044	LF	2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	15.49	3.75
22 11 16 00-1045	LF	2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	21.46	5.09
22 11 16 00-1046	LF	3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	28.05	5.89
22 11 16 00-1047	LF	3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	37.84	6.58
22 11 16 00-1048	LF	4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	44.44	7.28
22 11 16 00-1049		Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1026)*		
		Note: Aquatherm greenpipe®.		
22 11 16 00-1050	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.43	2.44
22 11 16 00-1051	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	7.41	2.54
22 11 16 00-1052	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	9.78	3.05
22 11 16 00-1053	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	12.00	3.28
22 11 16 00-1054	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	16.80	3.67
22 11 16 00-1055	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	20.69	3.75
22 11 16 00-1056	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	29.39	5.09
22 11 16 00-1057	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	39.64	5.89
22 11 16 00-1058	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	49.26	6.58
22 11 16 00-1059	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	57.74	7.28
22 11 16 00-1060		Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe *(22 11 16 00-1026)*		
		Note: Aquatherm climatherm®.		
22 11 16 00-1061	LF	1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.77	2.44
22 11 16 00-1062	LF	3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.49	2.54
22 11 16 00-1063	LF	1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.74	3.05
22 11 16 00-1064	LF	1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	9.08	3.28
22 11 16 00-1065	LF	1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	11.19	3.68
22 11 16 00-1066	LF	2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	13.69	3.76
22 11 16 00-1067	LF	2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	19.01	5.09
22 11 16 00-1068	LF	3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	24.63	5.89
22 11 16 00-1069	LF	3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	32.21	6.59
22 11 16 00-1070	LF	4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	38.45	7.28
22 11 16 00-1071	LF	6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	46.50	9.31
22 11 16 00-1072	LF	8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	73.04	12.22
22 11 16 00-1073		Pipe Clamp For Polypropylene Random (PP-R) Pipe *(22 11 16 00-1026)*		
22 11 16 00-1074	EA	1/2" Diameter Pipe Clamp For Polypropylene Pipe	15.66	6.04
22 11 16 00-1075	EA	3/4" Diameter Pipe Clamp For Polypropylene Pipe	16.21	6.04
22 11 16 00-1076	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	16.57	6.04
22 11 16 00-1077	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	16.70	6.04
22 11 16 00-1078	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	17.12	6.04
22 11 16 00-1079	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	18.33	6.04
22 11 16 00-1080	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	20.10	6.04
22 11 16 00-1081	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	20.70	6.04
22 11 16 00-1082	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	21.55	6.04
22 11 16 00-1083	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	22.71	6.04
22 11 16 00-1084		Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap *(22 11 16 00-1026)*		
22 11 16 00-1085	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	5.47	
22 11 16 00-1086	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	5.62	
22 11 16 00-1087	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	5.69	
22 11 16 00-1088	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	5.74	
22 11 16 00-1089		Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp *(22 11 16 00-1026)*		
22 11 16 00-1090	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	13.21	3.14
22 11 16 00-1091	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	13.58	3.14
22 11 16 00-1092		Polypropylene Random (PP-R), Heat Fusion, Socket Coupling *(22 11 16 00-1026)*		
22 11 16 00-1093	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	11.29	4.87
22 11 16 00-1094	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	11.91	5.09
22 11 16 00-1095	EA	1" Polypropylene, Heat Fusion, Socket Coupling	14.49	6.12
22 11 16 00-1096	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	15.82	6.54
22 11 16 00-1097	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	20.40	7.35
22 11 16 00-1098	EA	2" Polypropylene, Heat Fusion, Socket Coupling	26.40	7.49
22 11 16 00-1099	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	33.15	10.19
22 11 16 00-1100	EA	3" Polypropylene, Heat Fusion, Socket Coupling	51.63	11.79
22 11 16 00-1101	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	71.98	13.17
22 11 16 00-1102	EA	4" Polypropylene, Heat Fusion, Socket Coupling	89.00	14.55
22 11 16 00-1103		Polypropylene Random (PP-R), Heat Fusion, Bushing *(22 11 16 00-1026)*		
22 11 16 00-1104	EA	1" Polypropylene, Heat Fusion, Bushing	12.05	4.87
22 11 16 00-1105	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	13.72	5.09
22 11 16 00-1106	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	18.06	6.12
22 11 16 00-1107	EA	2" Polypropylene, Heat Fusion, Bushing	24.79	6.54
22 11 16 00-1108	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	27.78	7.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1109	EA	3" Polypropylene, Heat Fusion, Bushing	44.11	7.49
22 11 16 00-1110	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	66.93	10.19
22 11 16 00-1111	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	80.38	11.79
22 11 16 00-1112	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	96.99	13.17
22 11 16 00-1113	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	101.87	14.55
22 11 16 00-1114		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1026)*		
22 11 16 00-1115	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	15.65	5.09
22 11 16 00-1116	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	20.45	6.12
22 11 16 00-1117	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	29.52	6.54
22 11 16 00-1118	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	32.75	7.35
22 11 16 00-1119	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	39.32	7.49
22 11 16 00-1120	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	62.58	10.19
22 11 16 00-1121	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	80.92	12.37
22 11 16 00-1122	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	90.94	14.55
22 11 16 00-1123		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1026)*		
22 11 16 00-1124	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	21.15	9.75
22 11 16 00-1125	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	22.64	10.26
22 11 16 00-1126	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	27.51	12.22
22 11 16 00-1127	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	31.05	13.17
22 11 16 00-1128	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	39.39	14.62
22 11 16 00-1129	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	45.41	14.92
22 11 16 00-1130	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	75.44	20.45
22 11 16 00-1131	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	104.58	23.57
22 11 16 00-1132	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	134.23	26.34
22 11 16 00-1133	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	183.84	29.11
22 11 16 00-1134		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1026)*		
22 11 16 00-1135	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	21.15	9.75
22 11 16 00-1136	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	22.64	10.26
22 11 16 00-1137	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	27.51	12.22
22 11 16 00-1138	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	31.05	13.17
22 11 16 00-1139		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1026)*		
22 11 16 00-1140	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	21.15	9.75
22 11 16 00-1141	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	22.64	10.26
22 11 16 00-1142	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow	27.51	12.22
22 11 16 00-1143	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	31.05	13.17
22 11 16 00-1144	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	39.39	14.62
22 11 16 00-1145	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow	45.22	14.92
22 11 16 00-1146	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	75.02	20.45
22 11 16 00-1147	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow	110.16	23.57
22 11 16 00-1148	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	142.40	26.34
22 11 16 00-1149	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow	196.37	29.11
22 11 16 00-1150		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1026)*		
22 11 16 00-1151	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	21.13	9.75
22 11 16 00-1152	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	22.64	10.26
22 11 16 00-1153	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	27.51	12.22
22 11 16 00-1154	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	31.05	13.17
22 11 16 00-1155		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1026)*		
22 11 16 00-1156	EA	1/2" Polypropylene, Heat Fusion, Tee	31.48	14.62
22 11 16 00-1157	EA	3/4" Polypropylene, Heat Fusion, Tee	33.77	15.36
22 11 16 00-1158	EA	1" Polypropylene, Heat Fusion, Tee	40.42	18.27
22 11 16 00-1159	EA	1-1/4" Polypropylene, Heat Fusion, Tee	45.38	19.72
22 11 16 00-1160	EA	1-1/2" Polypropylene, Heat Fusion, Tee	60.90	21.97
22 11 16 00-1161	EA	2" Polypropylene, Heat Fusion, Tee	69.11	22.41
22 11 16 00-1162	EA	2-1/2" Polypropylene, Heat Fusion, Tee	101.96	30.63
22 11 16 00-1163	EA	3" Polypropylene, Heat Fusion, Tee	137.90	35.37
22 11 16 00-1164	EA	3-1/2" Polypropylene, Heat Fusion, Tee	183.68	39.48
22 11 16 00-1165	EA	4" Polypropylene, Heat Fusion, Tee	226.37	43.59
22 11 16 00-1166		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1026)*		
22 11 16 00-1167	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	31.48	14.62
22 11 16 00-1168	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	33.77	15.36
22 11 16 00-1169	EA	1" Polypropylene, Heat Fusion, Reducing Tee	40.38	18.27
22 11 16 00-1170	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	45.38	19.72
22 11 16 00-1171	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	60.90	21.97
22 11 16 00-1172	EA	2" Polypropylene, Heat Fusion, Reducing Tee	67.64	22.41
22 11 16 00-1173	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	98.48	30.63
22 11 16 00-1174	EA	3" Polypropylene, Heat Fusion, Reducing Tee	145.32	35.37
22 11 16 00-1175	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	195.52	39.48
22 11 16 00-1176	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	222.16	43.59
22 11 16 00-1177	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	226.85	43.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1178	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	227.38	43.59
22 11 16 00-1179		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1026)*		
22 11 16 00-1180	EA	1/2" Polypropylene, Heat Fusion, End Cap	12.17	4.87
22 11 16 00-1181	EA	3/4" Polypropylene, Heat Fusion, End Cap	13.25	5.09
22 11 16 00-1182	EA	1" Polypropylene, Heat Fusion, End Cap	15.93	6.12
22 11 16 00-1183	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	18.94	6.54
22 11 16 00-1184	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	22.76	7.35
22 11 16 00-1185	EA	2" Polypropylene, Heat Fusion, End Cap	28.48	7.49
22 11 16 00-1186	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	39.94	10.19
22 11 16 00-1187	EA	3" Polypropylene, Heat Fusion, End Cap	67.75	11.79
22 11 16 00-1188	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	79.48	13.17
22 11 16 00-1189	EA	4" Polypropylene, Heat Fusion, End Cap	110.05	14.55
22 11 16 00-1190		**Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1026)*		
22 11 16 00-1191	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	14.95	
22 11 16 00-1192	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	15.39	
22 11 16 00-1193	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.52	
22 11 16 00-1194	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	15.96	
22 11 16 00-1195	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	16.47	
22 11 16 00-1196	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	16.91	
22 11 16 00-1197	EA	2" x 1" Polypropylene, Heat Fusion Outlet	19.09	
22 11 16 00-1198	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	17.42	
22 11 16 00-1199	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	17.86	
22 11 16 00-1200	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	20.04	
22 11 16 00-1201	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.06	
22 11 16 00-1202	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	18.37	
22 11 16 00-1203	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	18.81	
22 11 16 00-1204	EA	3" x 1" Polypropylene, Heat Fusion Outlet	20.99	
22 11 16 00-1205	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	22.01	
22 11 16 00-1206	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	18.37	
22 11 16 00-1207	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	19.76	
22 11 16 00-1208	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	21.94	
22 11 16 00-1209	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	22.96	
22 11 16 00-1210	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	26.97	
22 11 16 00-1211	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	20.27	
22 11 16 00-1212	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	20.71	
22 11 16 00-1213	EA	4" x 1" Polypropylene, Heat Fusion Outlet	22.89	
22 11 16 00-1214	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	23.91	
22 11 16 00-1215	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	26.97	
22 11 16 00-1216	EA	4" x 2" Polypropylene, Heat Fusion Outlet	31.29	
22 11 16 00-1217		**Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1026)*		
22 11 16 00-1218	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	17.55	6.12
22 11 16 00-1219	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	19.39	6.54
22 11 16 00-1220	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	24.54	7.35
22 11 16 00-1221	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	26.09	7.49
22 11 16 00-1222	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	35.91	10.19
22 11 16 00-1223	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	55.16	11.79
22 11 16 00-1224	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	73.39	13.17
22 11 16 00-1225	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	148.95	14.55
22 11 16 00-1226		**Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1026)*		
22 11 16 00-1227	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	25.70	
22 11 16 00-1228	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.78	
22 11 16 00-1229	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	42.02	
22 11 16 00-1230	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	49.83	
22 11 16 00-1231	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	69.46	
22 11 16 00-1232	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	80.56	
22 11 16 00-1233	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	99.66	
22 11 16 00-1234	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	120.58	
22 11 16 00-1235		**Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1026)*		
22 11 16 00-1236	EA	1/2" Polypropylene, Electrofusion Coupling	59.23	9.75
22 11 16 00-1237	EA	3/4" Polypropylene, Electrofusion Coupling	61.80	10.26
22 11 16 00-1238	EA	1" Polypropylene, Electrofusion Coupling	70.69	12.22
22 11 16 00-1239	EA	1-1/4" Polypropylene, Electrofusion Coupling	73.31	13.17
22 11 16 00-1240	EA	1-1/2" Polypropylene, Electrofusion Coupling	79.92	14.62
22 11 16 00-1241	EA	2" Polypropylene, Electrofusion Coupling	103.29	14.92
22 11 16 00-1242	EA	2-1/2" Polypropylene, Electrofusion Coupling	127.96	20.45
22 11 16 00-1243	EA	3" Polypropylene, Electrofusion Coupling	158.26	23.57
22 11 16 00-1244	EA	3-1/2" Polypropylene, Electrofusion Coupling	210.47	26.34
22 11 16 00-1245	EA	4" Polypropylene, Electrofusion Coupling	256.80	29.11
22 11 16 00-1246		**Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1026)*		
22 11 16 00-1247	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	35.61	13.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1248	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	41.00	13.90
22 11 16 00-1249		Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow *(22 11 16 00-1026)*		
22 11 16 00-1250	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	37.73	13.39
22 11 16 00-1251		Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test *(22 11 16 00-1026)*		
22 11 16 00-1252	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	10.95	4.87
22 11 16 00-1253	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	11.75	5.09
22 11 16 00-1254		Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece *(22 11 16 00-1026)*		
22 11 16 00-1255	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	27.06	9.75
22 11 16 00-1256	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	29.46	9.75
22 11 16 00-1257	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	28.08	10.26
22 11 16 00-1258	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	30.48	10.26
22 11 16 00-1259	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	35.40	12.22
22 11 16 00-1260		Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece *(22 11 16 00-1026)*		
22 11 16 00-1261	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.37	9.75
22 11 16 00-1262	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	33.40	9.75
22 11 16 00-1263	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	32.39	10.26
22 11 16 00-1264	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	34.42	10.26
22 11 16 00-1265	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	40.46	12.22
22 11 16 00-1266	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	56.96	12.22
22 11 16 00-1267	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	60.47	13.17
22 11 16 00-1268	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	77.70	13.17
22 11 16 00-1269	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	82.32	14.62
22 11 16 00-1270	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	88.82	14.62
22 11 16 00-1271	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	95.08	14.92
22 11 16 00-1272	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	122.06	14.92
22 11 16 00-1273	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	137.19	20.45
22 11 16 00-1274		Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece *(22 11 16 00-1026)*		
22 11 16 00-1275	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	37.31	9.75
22 11 16 00-1276	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	39.85	9.75
22 11 16 00-1277	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	38.33	10.26
22 11 16 00-1278	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	40.87	10.26
22 11 16 00-1279	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	48.49	12.22
22 11 16 00-1280		Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece *(22 11 16 00-1026)*		
22 11 16 00-1281	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.56	9.75
22 11 16 00-1282	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	34.42	9.75
22 11 16 00-1283	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	35.44	10.26
22 11 16 00-1284	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	49.47	12.22
22 11 16 00-1285	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	66.57	12.22
22 11 16 00-1286	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	52.27	13.17
22 11 16 00-1287	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	71.14	13.17
22 11 16 00-1288	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	75.53	14.62
22 11 16 00-1289	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	86.28	14.62
22 11 16 00-1290	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	97.38	14.92
22 11 16 00-1291	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	108.83	14.92
22 11 16 00-1292	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	121.80	20.45
22 11 16 00-1293	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	162.01	20.45
22 11 16 00-1294	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	236.03	23.57
22 11 16 00-1295	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	439.91	26.34
22 11 16 00-1296		Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow *(22 11 16 00-1026)*		
22 11 16 00-1297	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	32.71	9.75
22 11 16 00-1298	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	28.33	9.75
22 11 16 00-1299	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	33.73	10.26
22 11 16 00-1300	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	29.35	10.26
22 11 16 00-1301	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	39.08	12.22
22 11 16 00-1302	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	56.11	12.22
22 11 16 00-1303		Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow *(22 11 16 00-1026)*		
22 11 16 00-1304	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	28.33	9.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1305		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1026)*		
22 11 16 00-1306	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	30.52	9.75
22 11 16 00-1307	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	31.94	9.75
22 11 16 00-1308	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	32.96	10.26
22 11 16 00-1309	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	40.70	12.22
22 11 16 00-1310	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	53.35	12.22
22 11 16 00-1311		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1026)*		
22 11 16 00-1312	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	39.71	14.62
22 11 16 00-1313	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	43.17	14.62
22 11 16 00-1314	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	41.17	15.36
22 11 16 00-1315	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	44.63	15.36
22 11 16 00-1316	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	52.78	18.27
22 11 16 00-1317	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	68.33	18.27
22 11 16 00-1318	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	79.75	21.97
22 11 16 00-1319		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1026)*		
22 11 16 00-1320	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	42.04	14.62
22 11 16 00-1321		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1026)*		
22 11 16 00-1322	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	26.50	4.87
22 11 16 00-1323		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1026)*		
22 11 16 00-1324	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	23.77	
22 11 16 00-1325	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	29.73	
22 11 16 00-1326	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	40.35	
22 11 16 00-1327		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1026)*		
22 11 16 00-1328	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	27.16	
22 11 16 00-1329	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	36.01	
22 11 16 00-1330		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1026)*		
22 11 16 00-1331	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	19.57	4.87
22 11 16 00-1332	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	28.09	5.09
22 11 16 00-1333	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	36.48	6.12
22 11 16 00-1334		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1026)*		
22 11 16 00-1335	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	28.97	10.70
22 11 16 00-1336	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	30.13	11.28
22 11 16 00-1337	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	41.26	13.39
22 11 16 00-1338	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	59.94	14.48
22 11 16 00-1339		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1026)*		
22 11 16 00-1340	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	72.72	10.70
22 11 16 00-1341	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	73.88	11.28
22 11 16 00-1342	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	88.24	13.39
22 11 16 00-1343	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	140.60	14.48
22 11 16 00-1344		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1026)*		
22 11 16 00-1345	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	67.69	10.70
22 11 16 00-1346	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	74.68	11.28
22 11 16 00-1347	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	90.42	13.39
22 11 16 00-1348	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	125.20	14.48
22 11 16 00-1349	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	179.26	16.08
22 11 16 00-1350	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	268.17	16.45
22 11 16 00-1351		**Extension For Ball Valve** *(22 11 16 00-1026)*		
22 11 16 00-1352	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	33.71	
22 11 16 00-1353	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	33.76	
22 11 16 00-1354	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	36.74	
22 11 16 00-1355		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1026)*		
22 11 16 00-1356	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	35.35	9.75
22 11 16 00-1357	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	36.37	10.26
22 11 16 00-1358	EA	1" Polypropylene, Heat Fusion, Draining Branch	41.98	12.22
22 11 16 00-1359	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	43.87	13.17
22 11 16 00-1360	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	48.24	14.62
22 11 16 00-1361	EA	2" Polypropylene, Heat Fusion, Draining Branch	51.36	14.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1362		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing And Fittings (Viega) *(22 11 16)*		
		Note: ASTM F876/F877 standards and listed to ANSI/NSF Standards 14 and 61		
22 11 16 00-1363		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing *(22 11 16 00-1362)*		
22 11 16 00-1364	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	6.83	4.18
22 11 16 00-1365	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	8.89	5.19
22 11 16 00-1366	LF	1" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	10.26	5.47
22 11 16 00-1367	LF	1-1/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	16.23	5.74
22 11 16 00-1368	LF	1-1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	17.56	6.06
22 11 16 00-1369	LF	2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	26.54	7.21
22 11 16 00-1370		Cross-Linked Polyethylene (PEX, XPE or XLPE) Fittings *(22 11 16 00-1362)*		
22 11 16 00-1371		Male Adapters *(22 11 16 00-1370)*		
22 11 16 00-1372	EA	1/2" Diameter, Male Adapter, Bronze Press Fitting	27.25	15.57
22 11 16 00-1373	EA	3/4" Diameter, Male Adapter, Bronze Press Fitting	38.26	20.62
22 11 16 00-1374	EA	1" Diameter, Male Adapter, Bronze Press Fitting	50.78	25.66
22 11 16 00-1375	EA	1-1/4" Diameter, Male Adapter, Bronze Press Fitting	82.88	33.23
22 11 16 00-1376	EA	1-1/2" Diameter, Male Adapter, Bronze Press Fitting	94.97	40.94
22 11 16 00-1377	EA	2" Diameter, Male Adapter, Bronze Press Fitting	124.61	52.04
22 11 16 00-1378		Female Adapters *(22 11 16 00-1370)*		
22 11 16 00-1379	EA	1/2" Diameter, Female Adapter, Bronze Press Fitting	29.92	15.57
22 11 16 00-1380	EA	3/4" Diameter, Female Adapter, Bronze Press Fitting	38.94	20.62
22 11 16 00-1381	EA	1" Diameter, Female Adapter, Bronze Press Fitting	56.21	25.66
22 11 16 00-1382		Tees *(22 11 16 00-1370)*		
22 11 16 00-1383	EA	1/2" Diameter, Tee, Bronze Press Fitting	45.89	25.66
22 11 16 00-1384	EA	5/8" Diameter, Tee, Bronze Press Fitting	55.21	30.99
22 11 16 00-1385	EA	3/4" Diameter, Tee, Bronze Press Fitting	56.74	30.99
22 11 16 00-1386	EA	1" Diameter, Tee, Bronze Press Fitting	85.22	40.94
22 11 16 00-1387	EA	1-1/4" Diameter, Tee, Bronze Press Fitting	131.45	51.44
22 11 16 00-1388	EA	1-1/2" Diameter, Tee, Bronze Press Fitting	158.19	61.99
22 11 16 00-1389	EA	2" Diameter, Tee, Bronze Press Fitting	205.82	76.99
22 11 16 00-1390	EA	3/4" x 1/2" Diameter, Reducing Tee, Bronze Press Fitting	56.74	30.99
22 11 16 00-1391	EA	1" x 3/4" Diameter, Reducing Tee, Bronze Press Fitting	79.41	40.94
22 11 16 00-1392	EA	1-1/4" x 1" Diameter, Reducing Tee, Bronze Press Fitting	122.96	51.44
22 11 16 00-1393	EA	1-1/2" x 1" Diameter, Reducing Tee, Bronze Press Fitting	149.32	61.99
22 11 16 00-1394	EA	1-1/2" x 1-1/4" Diameter, Reducing Tee, Bronze Press Fitting	156.47	61.99
22 11 16 00-1395	EA	2" x 1-1/2" Diameter, Reducing Tee, Bronze Press Fitting	194.84	76.99
22 11 16 00-1396		Couplings *(22 11 16 00-1370)*		
22 11 16 00-1397	EA	1/2" Diameter, Coupling, Bronze Press Fitting	27.36	15.57
22 11 16 00-1398	EA	5/8" Diameter, Coupling, Bronze Press Fitting	38.26	20.62
22 11 16 00-1399	EA	3/4" Diameter, Coupling, Bronze Press Fitting	37.80	20.62
22 11 16 00-1400	EA	1" Diameter, Coupling, Bronze Press Fitting	51.55	25.66
22 11 16 00-1401	EA	1-1/4" Diameter, Coupling, Bronze Press Fitting	81.54	33.23
22 11 16 00-1402	EA	1-1/2" Diameter, Coupling, Bronze Press Fitting	105.87	40.94
22 11 16 00-1403	EA	2" Diameter, Coupling, Bronze Press Fitting	139.73	52.04
22 11 16 00-1404	EA	3/4" x 1/2" Diameter, Reducing Coupling, Bronze Press Fitting	41.24	20.62
22 11 16 00-1405	EA	1" x 3/4" Diameter, Reducing Coupling, Bronze Press Fitting	51.16	25.66
22 11 16 00-1406	EA	1-1/4" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	75.88	33.23
22 11 16 00-1407	EA	1-1/2" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	97.19	40.94
22 11 16 00-1408	EA	1-1/2" x 1-1/4" Diameter, Reducing Coupling, Bronze Press Fitting	100.51	40.94
22 11 16 00-1409	EA	2" x 1-1/2" Diameter, Reducing Coupling, Bronze Press Fitting	132.29	52.04
22 11 16 00-1410		90 Degree Elbows *(22 11 16 00-1370)*		
22 11 16 00-1411	EA	1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	29.16	15.43
22 11 16 00-1412	EA	5/8" Diameter, 90 Degree Elbow, Bronze Press Fitting	38.26	20.62
22 11 16 00-1413	EA	3/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	39.59	20.62
22 11 16 00-1414	EA	1" Diameter, 90 Degree Elbow, Bronze Press Fitting	58.70	25.66
22 11 16 00-1415	EA	1-1/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	91.67	33.23
22 11 16 00-1416	EA	1-1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	114.77	40.94
22 11 16 00-1417	EA	2" Diameter, 90 Degree Elbow, Bronze Press Fitting	152.10	52.04
22 11 19		**Domestic Water Piping Specialties** *(22 11)*		
		See CSI section 23 21 16 00-0000 for additional piping specialties.		
22 11 19 00-0001		Rubber Hose And Clamps *(22 11 19)*		
22 11 19 00-0002		General Purpose Hose *(22 11 19 00-0001)*		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.39	3.12
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.92	3.12
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.15	3.12
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.26	3.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	17.73	4.67
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	28.61	4.67
22 11 19 00-0009	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	31.14	6.23
22 11 19 00-0010	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	58.39	6.23
22 11 19 00-0011		**Reinfored EPDM Water Hose Assembly** *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	76.78	6.23
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	90.47	6.23
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	127.11	7.66
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	178.15	10.35
22 11 19 00-0016		**Chemical Resistant Rubber Hoses** *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,391.35	319.11
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,884.80	319.11
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	676.48	95.12
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	714.09	95.12
22 11 19 00-0022		**Barbed Hose x Threaded Male Pipe, Steel Coupling** *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	37.58	13.07
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	39.95	14.01
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	42.74	14.94
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	48.48	16.81
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	58.25	20.55
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	69.18	24.60
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	89.46	32.38
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	112.47	40.48
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter, Worm Drive Hose Clamp	16.17	4.67
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	17.11	4.67
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	18.11	4.67
22 11 19 00-0035	EA	3/4" To 2" Diameter, Worm Drive Hose Clamp	19.29	4.67
22 11 19 00-0036	EA	1" To 2-1/2" Diameter, Worm Drive Hose Clamp	20.63	4.67
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	22.31	6.23
22 11 19 00-0038	EA	1-1/2" To 3" Diameter, Worm Drive Hose Clamp	24.10	6.23
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	357.83	23.48
22 11 19 00-0042	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	219.96	15.66
22 11 19 00-0043	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	213.23	15.66
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	191.94	31.31
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	210.07	31.31
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	288.26	42.11
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	433.02	47.90
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	573.87	50.72
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	721.05	59.49
22 11 19 00-0052		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)* Note: Watts 288A		
22 11 19 00-0053	EA	1/2" Brass, Anti Siphon Vacuum Breaker	135.67	39.14
22 11 19 00-0054	EA	3/4" Brass, Anti Siphon Vacuum Breaker	155.50	43.83
22 11 19 00-0055	EA	1" Brass, Anti Siphon Vacuum Breaker	308.17	50.09
22 11 19 00-0056	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	484.52	57.92
22 11 19 00-0057	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	578.32	64.19
22 11 19 00-0058	EA	2" Brass, Anti Siphon Vacuum Breaker	841.96	78.27
22 11 19 00-0059	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,180.04	97.84
22 11 19 00-0060		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)* Note: Watts 800M4QT		
22 11 19 00-0061	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	378.80	39.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0062	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	333.56	43.83
22 11 19 00-0063	EA	1" Anti Siphon Pressure Type Vacuum Breaker	473.54	50.09
22 11 19 00-0064	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	848.34	57.92
22 11 19 00-0065	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,032.35	64.19
22 11 19 00-0066	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,045.34	78.27
22 11 19 00-0067		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0068	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	284.94	18.72
22 11 19 00-0069	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	549.80	22.65
22 11 19 00-0070	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	798.64	22.65
22 11 19 00-0071	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,934.68	22.65
22 11 19 00-0072	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,171.69	22.65
22 11 19 00-0073	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,658.99	22.65
22 11 19 00-0074		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0075		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0074)*		
22 11 19 00-0076	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	206.76	10.44
22 11 19 00-0077	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	395.85	12.04
22 11 19 00-0078	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	587.52	13.05
22 11 19 00-0079	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,442.90	16.83
22 11 19 00-0080	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,757.45	20.87
22 11 19 00-0081	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,999.67	22.65
22 11 19 00-0082		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0083		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0082)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0084	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	608.82	39.14
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0085	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	651.26	46.97
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0086	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	683.32	56.51
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0087		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0082)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0088	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	677.86	65.75
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0089		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0082)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0090	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	393.43	48.53
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0091	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	463.63	48.53
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0092	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	463.63	48.53
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0093	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	463.63	48.53
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0094	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	479.97	97.84
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0095	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	479.97	97.84
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0096	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	528.84	97.84
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0097		**Washer Boxes And Dryer Outlets** *(22 11 19)*		
22 11 19 00-0098		**Dryer Vent Kit** *(22 11 19 00-0097)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0099	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	102.41	20.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0100		**Washer Boxes And Dryer Vents** *(22 11 19 00-0097)* Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0101	EA	2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	368.69	31.31
22 11 19 00-0102		**Ice Maker Outlet Box** *(22 11 19)* Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0103	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	194.81	31.31
22 11 19 00-0104	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	197.85	31.31
22 11 19 00-0105	EA	Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	277.06	31.31
22 11 19 00-0106		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0107		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0106)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0108	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	606.91	36.92
22 11 19 00-0109	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	161.79	36.92
22 11 19 00-0110	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	347.75	36.92
22 11 19 00-0111	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	400.23	49.74
22 11 19 00-0112		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0106)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0113	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,641.72	53.25
22 11 19 00-0114	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,843.53	65.58
22 11 19 00-0115	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,215.94	76.28
22 11 19 00-0116	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,869.96	80.17
22 11 19 00-0117	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,852.58	104.02
22 11 19 00-0118		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0106)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0119	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,177.91	82.01
22 11 19 00-0120	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,436.21	95.36
22 11 19 00-0121	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,338.47	100.22
22 11 19 00-0122	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	7,024.68	130.02
22 11 19 00-0123		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0106)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0124	EA	3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,194.23	53.25
22 11 19 00-0125	EA	1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,406.45	65.57
22 11 19 00-0126	EA	1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,727.91	76.28
22 11 19 00-0127	EA	1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,110.78	80.20
22 11 19 00-0128	EA	2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,133.70	104.02
22 11 19 00-0129		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0106)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0130	EA	3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,479.87	78.27
22 11 19 00-0131	EA	1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,696.84	98.62
22 11 19 00-0132	EA	1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,078.91	118.97
22 11 19 00-0133	EA	1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,495.99	139.33
22 11 19 00-0134	EA	2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,333.55	183.16
22 11 19 00-0135	EA	2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,277.39	208.90
22 11 19 00-0136		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0106)*		
22 11 19 00-0137	EA	2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,568.02	104.05
22 11 19 00-0138		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0139		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0138)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0140		Threaded Double Check Valve Assemblies *(22 11 19 00-0139)*		
22 11 19 00-0141		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0140)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0142	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	519.98	41.96
		For Work In Restricted Working Space, Add	*31.47*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0143	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	617.32	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0144	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	713.26	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0145	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	992.43	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0146	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,226.00	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0147	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,417.31	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-1,104.22*	
22 11 19 00-0148		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0140)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0149	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	638.76	41.96
		For Work In Restricted Working Space, Add	*31.47*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0150	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	791.28	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0151	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	926.53	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0152	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,296.31	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0153	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,583.91	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0154	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,911.45	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-1,598.36*	
22 11 19 00-0155		Flanged Double Check Valve Assemblies *(22 11 19 00-0139)*		
22 11 19 00-0156		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0157	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,885.90	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0158	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,566.64	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-7,054.86*	
22 11 19 00-0159		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0160	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,538.92	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0161	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,655.00	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-8,143.22*	
22 11 19 00-0162		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0163	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,932.99	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0164	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,309.28	389.24
		For Work In Restricted Working Space, Add	*153.54*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0165	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,307.39	576.65
		For Work In Restricted Working Space, Add	*230.54*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0166	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,700.40	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-11,141.06*	
22 11 19 00-0167	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,833.36	1,294.81
		For Work In Restricted Working Space, Add	*701.82*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0168	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	37,000.92	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-34,216.38*	

22 11 19 00-0169 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0170	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,686.46	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0171	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	16,166.12	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0172	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,913.45	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-40,128.91*	

22 11 19 00-0173 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0174	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,360.21	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0175	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	8,088.07	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0176	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,807.64	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0177	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,827.60	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0178	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,599.59	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0179	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	39,280.35	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-36,495.81*	

22 11 19 00-0180 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0181	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,408.80	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0182	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,854.26	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0183	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,505.85	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0184	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,967.02	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-7,407.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0185	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,984.63	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0186	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	18,456.38	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-15,671.84*	

22 11 19 00-0187 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0188	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,809.46	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0189	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,254.92	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0190	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,846.39	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0191	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,885.20	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0192	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,791.77	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0193	EA	10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	27,122.09	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-24,337.55*	

22 11 19 00-0194 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0195	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,130.22	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0196	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,588.34	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0197	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,252.44	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0198	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,767.95	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0199	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,792.78	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0200	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,992.03	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-16,207.49*	

22 11 19 00-0201 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0202	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,413.43	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0203	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,858.88	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0204	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,450.85	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0205	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,463.91	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0206	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	22,154.10	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0207	EA	10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	26,482.55	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-23,698.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0208		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0209	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,789.08	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0210	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,234.54	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-4,722.76*	
22 11 19 00-0211	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,886.13	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0212	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,356.88	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0213	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	17,374.49	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0214		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0215	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,189.74	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0216	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,635.19	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0217	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,226.67	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0218	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	13,275.14	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0219	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	17,374.49	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0220		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0139)*		
22 11 19 00-0221		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0220)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0222	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,130.22	184.53
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0223	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,588.34	204.71
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0224		**N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0220)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0225	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,413.43	184.53
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0226	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,858.88	204.71
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0227		**Reduced Pressure Zone Backflow Preventer Assemblies** *(22 11 19 00-0138)*		
22 11 19 00-0228		**Threaded Reduced Pressure Zone Assemblies** *(22 11 19 00-0227)*		
22 11 19 00-0229		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0228)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0230	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	573.59	36.32
		For Work In Restricted Working Space, Add	*27.24*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0231	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	606.42	40.07
		For Work In Restricted Working Space, Add	*30.06*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0232	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	704.56	41.96
		For Work In Restricted Working Space, Add	*31.47*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0233	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	947.37	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0234	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,124.78	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-943.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0235	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,690.91	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0236	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,790.25	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0237	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,151.42	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0238 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0239	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	632.03	36.32
		For Work In Restricted Working Space, Add	*27.24*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0240	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	668.01	40.07
		For Work In Restricted Working Space, Add	*30.06*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0241	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	788.97	59.49
		For Work In Restricted Working Space, Add	*31.47*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0242	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,080.03	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0243	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,290.65	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0244	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,917.12	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0245	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,109.48	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0246	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,543.08	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0247 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0248	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	947.37	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0249	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,124.78	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0250	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,690.91	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0251	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,790.25	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0252	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,151.42	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0253 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0254	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,080.03	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0255	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,290.65	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0256	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,917.12	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0257	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,109.48	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-1,868.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0258	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,543.08	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0259 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0260	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,932.65	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0261	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,288.37	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0262	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,511.90	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0263	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,798.43	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0264	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,411.02	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-4,097.93*	

22 11 19 00-0265 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0266	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,595.77	59.49
		For Work In Restricted Working Space, Add	*44.62*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0267	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,086.33	72.64
		For Work In Restricted Working Space, Add	*54.48*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0268	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,696.38	84.53
		For Work In Restricted Working Space, Add	*63.40*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0269	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,131.57	97.06
		For Work In Restricted Working Space, Add	*72.32*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0270	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,099.15	125.24
		For Work In Restricted Working Space, Add	*93.93*	
		For Owner Furnished Material, Deduct	*-5,786.06*	

22 11 19 00-0271 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0227)*

22 11 19 00-0272 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0273	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,338.47	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0274	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,141.04	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

22 11 19 00-0275 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0276	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,543.79	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0277	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,541.29	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0278 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0279	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,799.81	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0280	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,907.76	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-7,395.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0281		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0282	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,543.79	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0283	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,541.29	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-8,029.51*	
22 11 19 00-0284		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0285	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,367.37	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0286	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,680.01	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-9,168.23*	
22 11 19 00-0287		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0288	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,839.72	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0289	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,313.21	389.24
		For Work In Restricted Working Space, Add	*153.54*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0290	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,521.44	576.65
		For Work In Restricted Working Space, Add	*230.54*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0291	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,618.82	863.21
		For Work In Restricted Working Space, Add	*654.97*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0292	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	39,122.94	1,294.81
		For Work In Restricted Working Space, Add	*982.45*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0293	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	50,264.55	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-47,480.01*	
22 11 19 00-0294		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0295	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,676.30	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0296	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,193.63	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0297	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,871.27	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0298	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,535.78	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0299	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	41,324.04	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0300	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	56,023.90	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-53,239.36*	
22 11 19 00-0301		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0302	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,528.47	345.99
		For Work In Restricted Working Space, Add	*138.39*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0303	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,102.68	389.24
		For Work In Restricted Working Space, Add	*153.54*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0304	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,502.59	576.65
		For Work In Restricted Working Space, Add	*230.54*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0305	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,425.21	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0306	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,578.11	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0307	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	53,428.11	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0308 Double Check Detector Assemblies *(22 11 19 00-0138)*

22 11 19 00-0309 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0308)*

22 11 19 00-0310 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0309)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0311	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,671.32	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0312	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	9,117.26	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0313	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,400.64	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0314	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,935.29	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0315	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	29,566.03	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0316 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0309)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0317	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,506.19	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0318	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,951.22	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0319	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,612.15	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0320	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,445.89	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0321	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	18,402.26	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0322	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,704.89	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0323 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0309)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0324	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,886.55	345.99
		For Work In Restricted Working Space, Add	*138.40*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0325	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,331.58	389.24
		For Work In Restricted Working Space, Add	*153.53*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0326	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,992.43	576.65
		For Work In Restricted Working Space, Add	*230.52*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0327	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,835.75	863.21
		For Work In Restricted Working Space, Add	*467.80*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0328	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,934.51	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0329 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0308)*

22 11 19 00-0330 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0329)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0331	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,386.10	345.99
		For Work In Restricted Working Space, Add	*138.40*	
22 11 19 00-0332	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,831.18	389.24
		For Work In Restricted Working Space, Add	*153.53*	
22 11 19 00-0333	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,492.11	576.65
		For Work In Restricted Working Space, Add	*230.52*	
22 11 19 00-0334	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,325.85	863.21
		For Work In Restricted Working Space, Add	*467.80*	
22 11 19 00-0335	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	18,282.30	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	
22 11 19 00-0336	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	21,584.76	1,531.50
		For Work In Restricted Working Space, Add	*835.36*	

22 11 19 00-0337 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0329)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0338	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,766.42	345.99
		For Work In Restricted Working Space, Add	*138.40*	
22 11 19 00-0339	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,211.46	389.24
		For Work In Restricted Working Space, Add	*153.53*	
22 11 19 00-0340	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,872.38	576.65
		For Work In Restricted Working Space, Add	*230.52*	
22 11 19 00-0341	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,715.63	863.21
		For Work In Restricted Working Space, Add	*467.80*	
22 11 19 00-0342	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,672.16	1,294.81
		For Work In Restricted Working Space, Add	*701.71*	

22 11 19 00-0343 Backflow Preventer Accessories *(22 11 19 00-0138)*

22 11 19 00-0344 Air Gap *(22 11 19 00-0343)*

22 11 19 00-0345	EA	Up To 1" Diameter Air Gap For Backflow Preventer	149.60	19.57
22 11 19 00-0346	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	183.92	23.48
22 11 19 00-0347	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	341.38	31.31
22 11 19 00-0348	EA	4" To 6" Diameter Air Gap For Backflow Preventer	673.05	54.79
22 11 19 00-0349	EA	8" To 10" Diameter Air Gap For Backflow Preventer	720.02	78.27

22 11 19 00-0350 Brass Test Cocks *(22 11 19 00-0343)*

22 11 19 00-0351	EA	1/8" Or 1/4" Brass Test Cock	60.86	7.83

22 11 19 00-0352 Backflow Valve Enclosures *(22 11 19 00-0138)*

22 11 19 00-0353 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0352)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0354	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,708.20	140.89
		For Heated Enclosure, Add	*203.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0355	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,087.62	140.89
		For Heated Enclosure, Add	*260.31*	
22 11 19 00-0356	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,627.22	129.74
		For Heated Enclosure, Add	*345.43*	
22 11 19 00-0357	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,745.25	172.99
		For Heated Enclosure, Add	*346.91*	
22 11 19 00-0358	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,873.92	172.99
		For Heated Enclosure, Add	*366.21*	
22 11 19 00-0359	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,375.40	172.99
		For Heated Enclosure, Add	*441.44*	
22 11 19 00-0360	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,388.60	172.99
		For Heated Enclosure, Add	*443.42*	
22 11 19 00-0361	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,243.10	172.99
		For Heated Enclosure, Add	*571.59*	
22 11 19 00-0362	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	9,718.31	259.50
		For Heated Enclosure, Add	*1,360.44*	
22 11 19 00-0363	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	14,030.41	259.50
		For Heated Enclosure, Add	*2,007.25*	
22 11 19 00-0364	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,337.57	259.50
		For Heated Enclosure, Add	*1,903.33*	
22 11 19 00-0365	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	16,055.39	302.74
		For Heated Enclosure, Add	*2,294.78*	

22 11 19 00-0366 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0352)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0367	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	887.43	37.58
		For Heated Enclosure, Add	*164.96*	
22 11 19 00-0368	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,237.15	37.58
		For Heated Enclosure, Add	*234.91*	
22 11 19 00-0369	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,555.52	34.60
		For Heated Enclosure, Add	*299.57*	
22 11 19 00-0370	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,353.93	34.60
		For Heated Enclosure, Add	*459.25*	
22 11 19 00-0371	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,099.52	64.88
		For Heated Enclosure, Add	*1,198.28*	
22 11 19 00-0372	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,333.10	64.88
		For Heated Enclosure, Add	*1,645.00*	
22 11 19 00-0373	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,545.25	64.88
		For Heated Enclosure, Add	*1,087.43*	
22 11 19 00-0374	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,277.68	64.88
		For Heated Enclosure, Add	*1,233.91*	
22 11 19 00-0375	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	9,830.95	64.88
		For Heated Enclosure, Add	*1,944.57*	

22 11 19 00-0376 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0352)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0377	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	12,565.55	259.50
		For Heated Enclosure, Add	*1,787.52*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0378	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	13,842.35	259.50
		For Heated Enclosure, Add	*1,979.04*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0379	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	9,873.38	259.50
		For Heated Enclosure, Add	*1,383.70*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0380	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	10,816.96	259.50
		For Heated Enclosure, Add	*1,525.23*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0381	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,606.93	345.99
		For Heated Enclosure, Add	*1,761.29*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0382	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	14,117.98	345.99
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0383	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	14,117.98	345.99
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0384	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	15,582.83	345.99
		For Heated Enclosure, Add	*2,207.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0385	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,720.20	302.74
		For Heated Enclosure, Add	*1,644.50*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0386	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	13,718.77	345.99
		For Heated Enclosure, Add	*1,928.07*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0387	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	16,005.14	345.99
		For Heated Enclosure, Add	*2,271.03*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0388	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	17,563.65	367.62
		For Heated Enclosure, Add	*2,496.69*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0389	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	17,943.06	367.62
		For Heated Enclosure, Add	*2,553.60*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0390	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	19,884.29	389.24
		For Heated Enclosure, Add	*2,836.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0391	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	20,639.81	389.24
		For Heated Enclosure, Add	*2,950.01*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0392	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	15,015.37	345.99
		For Heated Enclosure, Add	*2,122.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0393	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	15,995.24	345.99
		For Heated Enclosure, Add	*2,269.54*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0394	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	18,088.22	367.62
		For Heated Enclosure, Add	*2,575.38*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0395	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	21,896.82	389.24
		For Heated Enclosure, Add	*3,138.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0396	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	19,128.76	389.24
		For Heated Enclosure, Add	*2,723.35*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0397	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	22,960.44	410.87
		For Heated Enclosure, Add	*3,289.99*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0398	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	22,204.92	410.87
		For Heated Enclosure, Add	*3,176.66*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0399	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	25,700.07	432.49
		For Heated Enclosure, Add	*3,692.83*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0400	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,770.02	432.49
		For Heated Enclosure, Add	*3,403.32*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0401	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	27,713.88	454.12
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0402	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,767.94	475.73
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0403	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	32,886.32	497.36
		For Heated Enclosure, Add	*4,746.44*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

22 11 19 00-0404 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0405 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0404)*

22 11 19 00-0406	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	81.17	15.66
22 11 19 00-0407	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	94.30	17.22
22 11 19 00-0408	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	23.37	11.74

22 11 19 00-0409 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0404)*

22 11 19 00-0410	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	247.78	47.90

22 11 19 00-0411 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0404)*

22 11 19 00-0412	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	167.54	39.14
22 11 19 00-0413	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	182.38	43.36
22 11 19 00-0414	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	193.30	45.87
22 11 19 00-0415	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	204.21	49.15
22 11 19 00-0416	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	215.30	52.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0417		Escutcheons *(22 11 19)*		
22 11 19 00-0418		Chrome Plated Steel Escutcheons *(22 11 19 00-0417)*		
22 11 19 00-0419		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0418)*		
22 11 19 00-0420	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.56	3.89
22 11 19 00-0421	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.33	4.36
22 11 19 00-0422	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.27	4.67
22 11 19 00-0423	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.04	5.13
22 11 19 00-0424	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.81	5.45
22 11 19 00-0425	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.60	6.23
22 11 19 00-0426	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.57	6.69
22 11 19 00-0427	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.77	7.00
22 11 19 00-0428	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	25.17	7.48
22 11 19 00-0429	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.71	7.79
22 11 19 00-0430	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	28.78	8.56
22 11 19 00-0431	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	33.36	9.35
22 11 19 00-0432		Cast Brass Escutcheons *(22 11 19 00-0417)* Note: With Brass Setscrew.		
22 11 19 00-0433	EA	3/8" IPS Cast Brass Escutcheon	25.75	3.91
22 11 19 00-0434	EA	1/2" IPS Cast Brass Escutcheon	26.00	3.91
22 11 19 00-0435	EA	5/8" IPS Cast Brass Escutcheon	26.37	3.91
22 11 19 00-0436	EA	3/4" IPS Cast Brass Escutcheon	27.73	3.91
22 11 19 00-0437	EA	7/8" IPS Cast Brass Escutcheon	28.22	4.70
22 11 19 00-0438	EA	1" IPS Cast Brass Escutcheon	29.55	4.70
22 11 19 00-0439	EA	1-1/4" IPS Cast Brass Escutcheon	30.71	5.17
22 11 19 00-0440	EA	1-1/2" IPS Cast Brass Escutcheon	32.17	5.48
22 11 19 00-0441	EA	2" IPS Cast Brass Escutcheon	45.58	6.26
22 11 19 00-0442		Keyed, Recessed Valve Boxes *(22 11 19)*		
22 11 19 00-0443	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	392.71	46.71
22 11 19 00-0444	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	435.47	46.71
22 11 19 00-0445	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	499.62	46.71
22 11 19 00-0446	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	488.00	62.27
22 11 19 00-0447	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	552.14	62.27
22 11 19 00-0448	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	571.38	62.27
22 11 19 00-0449	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	461.13	46.71
22 11 19 00-0450	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	555.21	46.71
22 11 19 00-0451	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	638.59	46.71
22 11 19 00-0452	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	607.73	62.27
22 11 19 00-0453	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	691.12	62.27
22 11 19 00-0454	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	723.19	62.27
22 11 23		**Domestic Water Pumps** *(22 11)*		
22 11 23 13		**Domestic-Water Packaged Booster Pumps** *(22 11 23)* Note: Includes pump, motor, starter and controls.		
22 11 23 13-0001		Simplex Domestic Booster System *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Booster Pump With Tank	17,071.91	461.32
22 11 23 13-0003	EA	1.5 HP Simplex Booster Pump With Tank	17,711.38	619.90
22 11 23 13-0004	EA	2 HP Simplex Booster Pump With Tank	18,472.37	778.48
22 11 23 13-0005	EA	3 HP Simplex Booster Pump With Tank	19,172.61	937.06
22 11 23 13-0006	EA	5 HP Simplex Booster Pump With Tank	21,209.52	1,095.64
22 11 23 13-0007	EA	7.5 HP Simplex Booster Pump With Tank	23,550.23	1,254.22
22 11 23 13-0008	EA	10 HP Simplex Booster Pump With Tank	25,161.84	1,412.79
22 11 23 13-0009		Duplex Domestic Booster System *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Booster Pump With Hydrocumulator	45,791.60	1,862.77
22 11 23 13-0011	EA	200 GPM Duplex Domestic Booster Pump With Hydrocumulator	55,223.70	1,979.19
22 11 23 13-0012	EA	300 GPM Duplex Domestic Booster Pump With Hydrocumulator	64,694.54	2,095.62
22 11 23 13-0013		Triplex Domestic Booster System *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	60,403.32	1,979.19
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	75,302.13	2,095.62
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	93,668.09	2,328.46
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	118,768.35	2,561.30
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	143,868.60	2,794.15
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	167,633.10	3,143.42
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	191,397.61	3,492.69
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	215,162.13	3,841.96
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	239,217.69	4,307.65
22 11 23 23		**Domestic-Water In-Line Pumps** *(22 11 23)*		
22 11 23 23-0001		Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)* Note: ODP motor.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,286.53	259.50
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,318.65	259.50
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,378.07	264.54
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,513.94	275.35
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,638.06	278.23
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,809.49	278.23
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,171.92	306.34
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,354.70	336.55
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,263.05	370.28
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,386.41	407.52
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,891.05	447.57
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,405.41	492.53
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,670.13	516.42
22 11 23 23-0015		Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*		
		Note: ODP motor.		
22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,336.83	259.50
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,185.14	259.50
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,195.58	264.54
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,233.90	270.31
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,243.98	275.35
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,273.04	278.23
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,770.15	306.34
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,568.03	370.28
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,763.25	407.52
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,385.51	447.57
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,891.42	492.53
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,873.58	516.42
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,189.90	542.42
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,657.30	596.24
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,313.96	632.35
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,235.10	702.61
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,819.62	843.28
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,503.55	984.08

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001		Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*		
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	3,066.12	576.65
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,800.31	720.81
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,862.28	792.90
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,585.55	864.97
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,847.23	937.06
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,850.39	1,009.14
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,874.87	1,081.22
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	20,202.77	1,153.31
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,939.52	1,225.38
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	26,094.71	1,297.47
22 12 23 13-0012		Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*		
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,647.39	576.65
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,979.69	720.81
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	6,196.33	792.90
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,626.77	864.97
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,514.15	864.97
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,961.22	937.06
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,779.31	1,009.14
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	10,273.86	1,009.14
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	9,399.52	1,009.14
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,776.78	1,081.22
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,854.87	1,153.31
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	16,053.36	1,225.38
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,838.55	1,297.47

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001		Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*		
		Note: Excludes excavation and backfill.		
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	848.73	324.36
		For Saddle Assembly, Add	*936.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	993.84	378.42
		For Saddle Assembly, Add	*936.91*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,175.46	432.49
		For Saddle Assembly, Add	*1,061.06*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,422.81	486.55
		For Saddle Assembly, Add	*1,545.49*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,696.94	540.61
		For Two Tie Down Bands, Add	*545.05*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,166.56	710.42
		For Two Tie Down Bands, Add	*579.13*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,194.14	828.81
		For Three Tie Down Bands, Add	*978.24*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,561.41	947.22
		For Three Tie Down Bands, Add	*985.55*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,671.09	1,065.63
		For Four Tie Down Bands, Add	*1,333.53*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,630.96	1,184.02
		For Four Tie Down Bands, Add	*1,830.13*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,404.59	1,302.43
		For Four Tie Down Bands, Add	*2,375.41*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,876.98	1,420.83
		For Four Tie Down Bands, Add	*2,560.42*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,595.88	1,894.44
		For Four Tie Down Bands, Add	*2,881.75*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	20,069.90	1,894.44
		For Five Tie Down Bands, Add	*4,490.70*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	944.21	432.49
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	1,123.88	459.52
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,230.50	486.55
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,480.29	540.61
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,695.04	648.73
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,999.88	756.86
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,733.25	947.22
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,530.98	1,184.02
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,713.34	1,420.83
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	6,124.51	1,657.64
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,906.20	1,894.44
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,975.13	2,131.24
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	13,566.44	2,368.05
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,948.41	2,604.86
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	17,192.11	2,841.66
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	19,394.44	3,078.46
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,909.34	3,315.27
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	28,727.83	3,788.88

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,227.39
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,556.25
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,129.87
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	718.36
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	845.49
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,096.13
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,151.67
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	698.58
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,129.87
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,172.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,100.63	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,227.39	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,916.16	
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,187.75	
22 13 13 00-0017		**Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,569.78	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	2,085.99	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,357.97	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	843.80	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,158.78	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,223.07	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	803.64	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,372.37	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,227.40	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,191.39	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,569.78	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	784.22	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,042.99	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	679.70	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	422.62	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	579.41	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	611.51	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	437.86	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	685.48	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	613.70	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	596.39	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	774.10	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	775.49	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	836.53	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	739.70	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	442.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	518.18	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	708.99	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	714.60	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	438.85	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	739.70	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	788.48	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	725.28	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	775.31	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,195.61	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	746.13	
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	937.07	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,093.34	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	815.43	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	488.18	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	724.39	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	755.35	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	477.22	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	828.25	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	808.43	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	776.27	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	937.07	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	467.94	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	545.97	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	408.14	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	244.16	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	362.17	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	377.33	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	238.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	414.00	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	404.27	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	388.75	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	458.38	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	40.39	9.08
		For Work In Restricted Working Space, Add	*6.66*	
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	57.35	13.69
		For Work In Restricted Working Space, Add	*9.04*	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	74.33	17.44
		For Work In Restricted Working Space, Add	*11.62*	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	86.60	21.72
		For Work In Restricted Working Space, Add	*12.22*	
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	101.11	23.66
		For Work In Restricted Working Space, Add	*13.58*	
22 13 16 00-0008	LF	8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	158.34	33.61
		For Work In Restricted Working Space, Add	*19.03*	
22 13 16 00-0009	LF	10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	227.50	33.61
		For Work In Restricted Working Space, Add	*21.54*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011	LF	1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.43	8.65
		For Work In Restricted Working Space, Add	*7.59*	
22 13 16 00-0012	LF	2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.99	9.22
		For Work In Restricted Working Space, Add	*8.16*	
22 13 16 00-0013	LF	3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	57.64	13.41
		For Work In Restricted Working Space, Add	*10.01*	
22 13 16 00-0014	LF	4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	69.67	17.44
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0015	LF	5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.58	21.30
		For Work In Restricted Working Space, Add	*14.46*	
22 13 16 00-0016	LF	6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	104.55	23.25
		For Work In Restricted Working Space, Add	*15.76*	
22 13 16 00-0017	LF	8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	162.84	33.33
		For Work In Restricted Working Space, Add	*21.69*	
22 13 16 00-0018	LF	10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	232.39	37.86
		For Work In Restricted Working Space, Add	*25.22*	

22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)*		
		Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Diameter, Bell And Spigot Cast Iron Pipe	28.29	9.08
		For Extra Heavy Pipe, Add	*6.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.12*	
22 13 16 00-0022	LF	3" Diameter, Bell And Spigot Cast Iron Pipe	41.46	13.69
		For Extra Heavy Pipe, Add	*8.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.03*	
		For Work In Restricted Working Space, Add	*6.18*	
22 13 16 00-0023	LF	4" Diameter, Bell And Spigot Cast Iron Pipe	53.34	17.44
		For Extra Heavy Pipe, Add	*11.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.31*	
		For Work In Restricted Working Space, Add	*7.86*	
22 13 16 00-0024	LF	5" Diameter, Bell And Spigot Cast Iron Pipe	70.76	21.72
		For Extra Heavy Pipe, Add	*16.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.62*	
		For Work In Restricted Working Space, Add	*9.74*	
22 13 16 00-0025	LF	6" Diameter, Bell And Spigot Cast Iron Pipe	82.06	23.66
		For Extra Heavy Pipe, Add	*19.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.77*	
		For Work In Restricted Working Space, Add	*10.63*	
22 13 16 00-0026	LF	8" Diameter, Bell And Spigot Cast Iron Pipe	122.93	33.61
		For Extra Heavy Pipe, Add	*30.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.13*	
22 13 16 00-0027	LF	10" Diameter, Bell And Spigot Cast Iron Pipe	177.45	37.86
		For Extra Heavy Pipe, Add	*50.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.84*	
		For Work In Restricted Working Space, Add	*17.02*	
22 13 16 00-0028	LF	12" Diameter, Bell And Spigot Cast Iron Pipe	251.00	50.48
		For Extra Heavy Pipe, Add	*73.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.78*	
		For Work In Restricted Working Space, Add	*22.69*	
22 13 16 00-0029	LF	15" Diameter, Bell And Spigot Cast Iron Pipe	347.08	60.56
		For Extra Heavy Pipe, Add	*107.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.54*	
		For Work In Restricted Working Space, Add	*27.23*	
22 13 16 00-0030		**Bell And Spigot Cast Iron Fittings** *(22 13 16 00-0019)*		
22 13 16 00-0031		**Bell And Spigot Cast Iron Long Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	127.95	41.38
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.10*	
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	211.74	52.04
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	282.07	69.20
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	438.04	91.89
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.89*	
		For Work In Restricted Working Space, Add	*41.32*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	847.07	118.28
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.18*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,153.71	145.50
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.91*	
		For Work In Restricted Working Space, Add	*65.46*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,763.05	203.08
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.22*	
		For Work In Restricted Working Space, Add	*91.35*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,244.95	282.79
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.20*	
		For Work In Restricted Working Space, Add	*127.19*	
22 13 16 00-0040		**Bell And Spigot Cast Iron Short Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	110.54	41.38
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.10*	
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	182.52	52.04
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	249.21	69.20
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	368.64	78.11
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.85*	
		For Work In Restricted Working Space, Add	*35.12*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	444.30	91.89
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.89*	
		For Work In Restricted Working Space, Add	*41.32*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	721.13	118.28
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.18*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,046.25	145.50
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.91*	
		For Work In Restricted Working Space, Add	*65.46*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,722.97	203.08
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.22*	
		For Work In Restricted Working Space, Add	*91.35*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	100.63	41.23
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.09*	
		For Work In Restricted Working Space, Add	*18.56*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	147.11	46.42
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.90*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	208.97	61.84
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.63*	
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	260.69	69.75
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.23*	
		For Work In Restricted Working Space, Add	*31.35*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	313.47	83.54
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.60*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	630.10	108.91
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.16*	
		For Work In Restricted Working Space, Add	*48.97*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	920.47	132.17
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.91*	
		For Work In Restricted Working Space, Add	*59.44*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,207.91	156.00
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.70*	
		For Work In Restricted Working Space, Add	*70.18*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	3,039.42	246.06
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.44*	
		For Work In Restricted Working Space, Add	*110.65*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	92.95	41.38
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.10*	
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	141.79	52.04
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	200.61	69.20
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	253.00	87.29
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.24*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	291.48	97.32
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.79*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	559.67	130.48
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.78*	
		For Work In Restricted Working Space, Add	*58.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	776.12	160.96
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.07*	
		For Work In Restricted Working Space, Add	*72.42*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,238.15	208.76
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.64*	
		For Work In Restricted Working Space, Add	*93.87*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,325.08	246.06
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.44*	
		For Work In Restricted Working Space, Add	*110.65*	
22 13 16 00-0069		**Bell And Spigot Cast Iron Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	168.39	92.41
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.93*	
		For Work In Restricted Working Space, Add	*41.59*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	207.52	101.20
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	273.01	132.63
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	348.96	150.23
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.26*	
		For Work In Restricted Working Space, Add	*67.59*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	434.57	178.07
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.35*	
		For Work In Restricted Working Space, Add	*80.10*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	768.11	238.26
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.86*	
		For Work In Restricted Working Space, Add	*107.17*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	1,057.36	270.31
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.26*	
		For Work In Restricted Working Space, Add	*121.56*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,542.46	329.01
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.66*	
		For Work In Restricted Working Space, Add	*147.98*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,350.00	369.16
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*27.67*	
		For Work In Restricted Working Space, Add	*166.03*	
22 13 16 00-0079		**Bell And Spigot Cast Iron Reducing Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	251.94	96.58
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.46*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	307.17	119.37
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.95*	
		For Work In Restricted Working Space, Add	*53.71*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	339.58	122.39
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.18*	
		For Work In Restricted Working Space, Add	*55.08*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	499.07	159.55
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.96*	
		For Work In Restricted Working Space, Add	*71.73*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	511.67	162.48
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.18*	
		For Work In Restricted Working Space, Add	*73.10*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	536.58	173.34
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.99*	
		For Work In Restricted Working Space, Add	*77.97*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	769.42	191.60
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.17*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	802.76	195.28
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.64*	
		For Work In Restricted Working Space, Add	*87.81*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	823.48	204.50
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.33*	
		For Work In Restricted Working Space, Add	*91.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	968.76	227.48
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.06*	
		For Work In Restricted Working Space, Add	*102.33*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,174.41	213.15
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.98*	
		For Work In Restricted Working Space, Add	*95.88*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,221.94	222.51
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.68*	
		For Work In Restricted Working Space, Add	*100.11*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,337.55	246.06
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.44*	
		For Work In Restricted Working Space, Add	*110.65*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,749.28	260.94
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.56*	
		For Work In Restricted Working Space, Add	*117.37*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,798.18	260.94
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.56*	
		For Work In Restricted Working Space, Add	*117.37*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,874.88	282.79
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.20*	
		For Work In Restricted Working Space, Add	*127.19*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,191.09	296.82
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.25*	
		For Work In Restricted Working Space, Add	*133.48*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,646.97	305.61
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.91*	
		For Work In Restricted Working Space, Add	*137.47*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,311.86	288.18
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.60*	
		For Work In Restricted Working Space, Add	*129.61*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,503.46	311.86
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.38*	
		For Work In Restricted Working Space, Add	*140.30*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,597.84	325.33
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.39*	
		For Work In Restricted Working Space, Add	*146.33*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,705.93	336.39
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.21*	
		For Work In Restricted Working Space, Add	*151.27*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,828.19	355.97
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.68*	
		For Work In Restricted Working Space, Add	*160.10*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	181.14	92.41
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.93*	
		For Work In Restricted Working Space, Add	*41.59*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	215.38	101.20
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	286.69	132.63
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	395.48	157.61
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.81*	
		For Work In Restricted Working Space, Add	*70.86*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	494.69	195.47
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.65*	
		For Work In Restricted Working Space, Add	*87.91*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	875.52	256.55
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.23*	
		For Work In Restricted Working Space, Add	*115.38*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,253.22	336.39
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.21*	
		For Work In Restricted Working Space, Add	*151.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,674.69	432.41
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*32.42*	
		For Work In Restricted Working Space, Add	*194.49*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	192.58	96.58
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.46*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	266.70	119.37
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.95*	
		For Work In Restricted Working Space, Add	*53.71*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	286.17	122.39
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.18*	
		For Work In Restricted Working Space, Add	*55.08*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	422.47	159.55
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.96*	
		For Work In Restricted Working Space, Add	*71.73*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	438.95	162.48
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.18*	
		For Work In Restricted Working Space, Add	*73.10*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	465.62	173.34
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.99*	
		For Work In Restricted Working Space, Add	*77.97*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	627.14	191.60
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.17*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	646.54	204.50
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.33*	
		For Work In Restricted Working Space, Add	*91.99*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	807.74	227.48
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.06*	
		For Work In Restricted Working Space, Add	*102.33*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	283.32	110.57
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.29*	
		For Work In Restricted Working Space, Add	*49.71*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	406.39	139.40
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.45*	
		For Work In Restricted Working Space, Add	*62.68*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	547.92	176.31
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.22*	
		For Work In Restricted Working Space, Add	*79.33*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	1,039.07	273.58
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.51*	
		For Work In Restricted Working Space, Add	*123.05*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	2,013.54	322.07
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.14*	
		For Work In Restricted Working Space, Add	*144.83*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,649.16	360.36
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*27.01*	
		For Work In Restricted Working Space, Add	*162.08*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,889.82	432.41
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*32.42*	
		For Work In Restricted Working Space, Add	*194.49*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	5,107.05	453.82
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*34.04*	
		For Work In Restricted Working Space, Add	*204.23*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	265.47	130.75
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.80*	
		For Work In Restricted Working Space, Add	*58.82*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	308.02	150.22
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.26*	
		For Work In Restricted Working Space, Add	*67.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	332.21	157.57
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.82*	
		For Work In Restricted Working Space, Add	*70.90*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	427.58	189.77
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.22*	
		For Work In Restricted Working Space, Add	*85.34*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	452.06	197.00
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.77*	
		For Work In Restricted Working Space, Add	*88.60*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	516.69	214.83
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.10*	
		For Work In Restricted Working Space, Add	*96.62*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	804.10	248.19
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.60*	
		For Work In Restricted Working Space, Add	*111.59*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	882.63	293.71
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.02*	
		For Work In Restricted Working Space, Add	*132.13*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	856.95	265.48
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.90*	
		For Work In Restricted Working Space, Add	*119.43*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	999.43	311.86
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.38*	
		For Work In Restricted Working Space, Add	*140.30*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,218.73	339.93
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.48*	
		For Work In Restricted Working Space, Add	*152.90*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,244.99	347.73
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.07*	
		For Work In Restricted Working Space, Add	*156.42*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,572.32	378.37
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*28.36*	
		For Work In Restricted Working Space, Add	*170.18*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	241.16	110.57
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.29*	
		For Work In Restricted Working Space, Add	*49.71*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	324.54	147.91
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.09*	
		For Work In Restricted Working Space, Add	*66.54*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	421.83	184.96
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.86*	
		For Work In Restricted Working Space, Add	*83.17*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	906.68	305.74
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.92*	
		For Work In Restricted Working Space, Add	*137.52*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	318.06	132.63
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	375.53	150.22
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.26*	
		For Work In Restricted Working Space, Add	*67.58*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	421.19	167.23
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.53*	
		For Work In Restricted Working Space, Add	*75.19*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	820.51	228.05
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.10*	
		For Work In Restricted Working Space, Add	*102.59*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	197.54	92.55
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.94*	
		For Work In Restricted Working Space, Add	*41.62*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	223.55	101.20
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	349.38	123.98
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.30*	
		For Work In Restricted Working Space, Add	*55.79*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	499.35	138.95
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.42*	
		For Work In Restricted Working Space, Add	*62.53*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	599.00	166.66
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.49*	
		For Work In Restricted Working Space, Add	*74.97*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,245.59	217.69
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.32*	
		For Work In Restricted Working Space, Add	*97.92*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,853.95	265.48
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.90*	
		For Work In Restricted Working Space, Add	*119.43*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,741.83	311.86
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.38*	
		For Work In Restricted Working Space, Add	*140.30*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	257.52	96.58
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.46*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	304.55	113.17
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	317.55	113.17
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	481.74	159.55
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.96*	
		For Work In Restricted Working Space, Add	*71.73*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	500.53	162.48
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.18*	
		For Work In Restricted Working Space, Add	*73.10*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	542.15	173.34
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.99*	
		For Work In Restricted Working Space, Add	*77.97*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	897.14	204.50
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.33*	
		For Work In Restricted Working Space, Add	*91.99*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,117.94	227.48
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.06*	
		For Work In Restricted Working Space, Add	*102.33*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	172.97	92.41
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.93*	
		For Work In Restricted Working Space, Add	*41.59*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	211.54	101.20
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	279.82	132.63
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	357.10	157.61
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.81*	
		For Work In Restricted Working Space, Add	*70.86*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	448.76	195.47
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.65*	
		For Work In Restricted Working Space, Add	*87.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	747.02	256.55
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.23*	
		For Work In Restricted Working Space, Add	*115.38*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	177.00	92.41
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.93*	
		For Work In Restricted Working Space, Add	*41.59*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	195.14	101.20
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	252.27	132.63
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	179.54	92.41
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.93*	
		For Work In Restricted Working Space, Add	*41.59*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	199.97	101.20
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	264.40	132.63
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	99.65	52.04
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	125.70	68.62
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.89*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	133.24	69.20
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	169.47	84.37
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.33*	
		For Work In Restricted Working Space, Add	*37.97*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	176.45	85.48
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.41*	
		For Work In Restricted Working Space, Add	*38.47*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	181.81	87.29
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.24*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	229.02	89.94
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.46*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	260.76	110.48
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.28*	
		For Work In Restricted Working Space, Add	*49.69*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	267.62	113.31
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.50*	
		For Work In Restricted Working Space, Add	*50.98*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	276.75	118.28
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.18*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	341.41	132.75
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.95*	
		For Work In Restricted Working Space, Add	*59.71*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	359.81	139.41
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.45*	
		For Work In Restricted Working Space, Add	*62.73*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	382.53	145.50
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.91*	
		For Work In Restricted Working Space, Add	*65.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	468.79	157.70
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.82*	
		For Work In Restricted Working Space, Add	*70.91*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	525.30	184.50
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.84*	
		For Work In Restricted Working Space, Add	*83.01*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	571.10	210.17
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.76*	
		For Work In Restricted Working Space, Add	*94.55*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	628.98	242.08
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.15*	
		For Work In Restricted Working Space, Add	*108.88*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	801.12	242.08
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.15*	
		For Work In Restricted Working Space, Add	*108.88*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	853.36	260.94
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.56*	
		For Work In Restricted Working Space, Add	*117.37*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	889.55	275.13
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.63*	
		For Work In Restricted Working Space, Add	*123.77*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	938.41	293.71
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.02*	
		For Work In Restricted Working Space, Add	*132.13*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	99.14	41.38
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.10*	
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	131.96	52.04
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	179.41	69.20
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	279.35	78.11
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.85*	
		For Work In Restricted Working Space, Add	*35.12*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	371.46	91.89
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.89*	
		For Work In Restricted Working Space, Add	*41.32*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	801.22	118.28
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.18*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	892.27	145.50
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.91*	
		For Work In Restricted Working Space, Add	*65.46*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	113.25	41.38
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.10*	
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	159.69	52.04
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	230.97	69.20
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	374.63	87.29
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.24*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	398.90	97.32
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.79*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	262.68	99.90
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	349.80	131.34
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.64*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	469.65	151.62
		For Above Ground Cast Iron Pipe Installation, Add	*11.46*	
		For Work In Restricted Working Space, Add	*68.76*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	907.11	171.81
		For Above Ground Cast Iron Pipe Installation, Add	*12.99*	
		For Work In Restricted Working Space, Add	*77.97*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,876.11	202.23
		For Above Ground Cast Iron Pipe Installation, Add	*15.33*	
		For Work In Restricted Working Space, Add	*91.99*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,115.76	225.63
		For Above Ground Cast Iron Pipe Installation, Add	*17.06*	
		For Work In Restricted Working Space, Add	*102.33*	

22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	338.54	137.96
		For Above Ground Cast Iron Pipe Installation, Add	*10.45*	
		For Work In Restricted Working Space, Add	*62.68*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	458.84	174.14
		For Above Ground Cast Iron Pipe Installation, Add	*13.22*	
		For Work In Restricted Working Space, Add	*79.33*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	1,017.10	212.32
		For Above Ground Cast Iron Pipe Installation, Add	*16.10*	
		For Work In Restricted Working Space, Add	*96.62*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,182.59	257.02
		For Above Ground Cast Iron Pipe Installation, Add	*19.47*	
		For Work In Restricted Working Space, Add	*116.84*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,105.30	245.20
		For Above Ground Cast Iron Pipe Installation, Add	*18.60*	
		For Work In Restricted Working Space, Add	*111.59*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,413.36	291.15
		For Above Ground Cast Iron Pipe Installation, Add	*22.02*	
		For Work In Restricted Working Space, Add	*132.13*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,526.18	335.97
		For Above Ground Cast Iron Pipe Installation, Add	*25.48*	
		For Work In Restricted Working Space, Add	*152.90*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,243.57	388.44
		For Above Ground Cast Iron Pipe Installation, Add	*29.42*	
		For Work In Restricted Working Space, Add	*176.54*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	12,070.55	449.28
		For Above Ground Cast Iron Pipe Installation, Add	*34.05*	
		For Work In Restricted Working Space, Add	*204.30*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	194.41	
		For Above Ground Cast Iron Pipe Installation, Add	*3.09*	
		For Work In Restricted Working Space, Add	*18.56*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	265.61	
		For Above Ground Cast Iron Pipe Installation, Add	*3.47*	
		For Work In Restricted Working Space, Add	*20.84*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	308.79	
		For Above Ground Cast Iron Pipe Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.92*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	380.23	
		For Above Ground Cast Iron Pipe Installation, Add	*5.41*	
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	461.64	
		For Above Ground Cast Iron Pipe Installation, Add	*6.53*	
		For Work In Restricted Working Space, Add	*39.19*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	861.22	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.52*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe	17.22	
		For Above Ground Cast Iron Pipe Installation, Add	*0.86*	
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe	18.78	
		For Above Ground Cast Iron Pipe Installation, Add	*0.94*	
		For Work In Restricted Working Space, Add	*5.63*	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe	23.48	
		For Above Ground Cast Iron Pipe Installation, Add	*1.17*	
		For Work In Restricted Working Space, Add	*7.04*	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe	28.17	
		For Above Ground Cast Iron Pipe Installation, Add	*1.41*	
		For Work In Restricted Working Space, Add	*8.45*	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe	37.58	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe	43.83	
		For Above Ground Cast Iron Pipe Installation, Add	*2.19*	
		For Work In Restricted Working Space, Add	*13.15*	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe	51.66	
		For Above Ground Cast Iron Pipe Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.50*	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe	59.49	
		For Above Ground Cast Iron Pipe Installation, Add	*2.97*	
		For Work In Restricted Working Space, Add	*17.85*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.73	
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	12.82	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.68	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.40	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99	

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe	24.85	8.65
		For Below Ground Installation, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.90*	
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe	26.38	9.22
		For Below Ground Installation, Add	*0.70*	
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe	37.40	13.41
		For Below Ground Installation, Add	*1.01*	
		For Work In Restricted Working Space, Add	*6.05*	
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	48.53	17.44
		For Below Ground Installation, Add	*1.31*	
		For Work In Restricted Working Space, Add	*7.86*	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	63.04	21.30
		For Below Ground Installation, Add	*1.60*	
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	73.27	23.25
		For Below Ground Installation, Add	*1.74*	
		For Work In Restricted Working Space, Add	*10.44*	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	111.46	33.33
		For Below Ground Installation, Add	*2.49*	
		For Work In Restricted Working Space, Add	*14.96*	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	158.84	37.86
		For Below Ground Installation, Add	*2.84*	
		For Work In Restricted Working Space, Add	*17.02*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	86.07	39.21
		For Below Ground Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.65*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	89.25	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	105.29	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	145.13	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	201.33	70.31
		For Below Ground Installation, Add	*5.27*	
		For Work In Restricted Working Space, Add	*31.61*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	238.87	83.82
		For Below Ground Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.73*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	471.36	108.06
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.62*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	134.10	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	200.04	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0290		**No Hub Cast Iron Short Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	83.46	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	100.71	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	142.73	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	202.23	70.31
		For Below Ground Installation, Add	*5.27*	
		For Work In Restricted Working Space, Add	*31.61*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	224.81	83.82
		For Below Ground Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.73*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	428.86	108.06
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.62*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	696.16	151.32
		For Below Ground Installation, Add	*11.35*	
		For Work In Restricted Working Space, Add	*68.07*	
22 13 16 00-0298		**No Hub Cast Iron 1/4 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	75.99	39.21
		For Below Ground Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.65*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	79.48	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	94.24	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	128.44	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	184.48	70.31
		For Below Ground Installation, Add	*5.27*	
		For Work In Restricted Working Space, Add	*31.61*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	213.45	83.82
		For Below Ground Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.73*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	395.77	108.06
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.62*	
22 13 16 00-0306		**No Hub Cast Iron 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	72.30	39.21
		For Below Ground Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.65*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	75.11	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	89.95	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	118.81	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	196.19	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	336.94	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	517.45	147.91
		For Below Ground Installation, Add	*11.09*	
		For Work In Restricted Working Space, Add	*66.54*	
22 13 16 00-0314		**No Hub Cast Iron Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	116.33	61.70
		For Below Ground Installation, Add	*4.62*	
		For Work In Restricted Working Space, Add	*27.72*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	149.58	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	170.39	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	233.90	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	321.38	136.86
		For Below Ground Installation, Add	*10.26*	
		For Work In Restricted Working Space, Add	*61.55*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	381.37	162.48
		For Below Ground Installation, Add	*12.18*	
		For Work In Restricted Working Space, Add	*73.10*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	647.72	216.27
		For Below Ground Installation, Add	*16.21*	
		For Work In Restricted Working Space, Add	*97.25*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	1,060.79	240.24
		For Below Ground Installation, Add	*18.01*	
		For Work In Restricted Working Space, Add	*108.05*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	145.74	79.87
		For Below Ground Installation, Add	*5.98*	
		For Work In Restricted Working Space, Add	*35.89*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	163.40	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	185.14	101.20
		For Below Ground Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	213.36	112.44
		For Below Ground Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.58*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	281.60	138.25
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.21*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	300.28	144.52
		For Below Ground Installation, Add	*10.83*	
		For Work In Restricted Working Space, Add	*64.97*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	344.82	168.88
		For Below Ground Installation, Add	*12.66*	
		For Work In Restricted Working Space, Add	*75.94*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	440.21	170.04
		For Below Ground Installation, Add	*12.75*	
		For Work In Restricted Working Space, Add	*76.49*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	508.93	186.91
		For Below Ground Installation, Add	*14.01*	
		For Work In Restricted Working Space, Add	*84.04*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	783.08	199.11
		For Below Ground Installation, Add	*14.93*	
		For Work In Restricted Working Space, Add	*89.57*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	826.53	213.15
		For Below Ground Installation, Add	*15.98*	
		For Work In Restricted Working Space, Add	*95.88*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	949.99	227.62
		For Below Ground Installation, Add	*17.06*	
		For Work In Restricted Working Space, Add	*102.36*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	131.80	71.79
		For Below Ground Installation, Add	*5.38*	
		For Work In Restricted Working Space, Add	*32.27*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	150.56	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	177.76	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	254.74	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	464.89	184.96
		For Below Ground Installation, Add	*13.86*	
		For Work In Restricted Working Space, Add	*83.17*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	826.61	237.29
		For Below Ground Installation, Add	*17.79*	
		For Work In Restricted Working Space, Add	*106.73*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	970.71	286.88
		For Below Ground Installation, Add	*21.50*	
		For Work In Restricted Working Space, Add	*129.02*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	151.76	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	167.08	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	192.52	101.20
		For Below Ground Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	220.51	112.44
		For Below Ground Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.58*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	303.03	138.25
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.21*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	337.74	144.52
		For Below Ground Installation, Add	*10.83*	
		For Work In Restricted Working Space, Add	*64.97*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	377.62	168.88
		For Below Ground Installation, Add	*12.66*	
		For Work In Restricted Working Space, Add	*75.94*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	501.51	170.04
		For Below Ground Installation, Add	*12.75*	
		For Work In Restricted Working Space, Add	*76.49*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	649.05	186.91
		For Below Ground Installation, Add	*14.01*	
		For Work In Restricted Working Space, Add	*84.04*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	189.63	103.94
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	251.97	126.58
		For Below Ground Installation, Add	*9.48*	
		For Work In Restricted Working Space, Add	*56.91*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	335.58	138.39
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.23*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	527.79	204.80
		For Below Ground Installation, Add	*15.35*	
		For Work In Restricted Working Space, Add	*92.09*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	1,010.58	275.13
		For Below Ground Installation, Add	*20.63*	
		For Work In Restricted Working Space, Add	*123.77*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	226.05	115.19
		For Below Ground Installation, Add	*8.63*	
		For Work In Restricted Working Space, Add	*51.80*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	270.59	132.63
		For Below Ground Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.65*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	297.72	144.59
		For Below Ground Installation, Add	*10.84*	
		For Work In Restricted Working Space, Add	*65.04*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	449.80	180.58
		For Below Ground Installation, Add	*13.54*	
		For Work In Restricted Working Space, Add	*81.22*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	246.41	124.84
		For Below Ground Installation, Add	*9.36*	
		For Work In Restricted Working Space, Add	*56.17*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	299.10	138.39
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.23*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	449.70	183.23
		For Below Ground Installation, Add	*13.73*	
		For Work In Restricted Working Space, Add	*82.38*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	628.43	282.85
		For Below Ground Installation, Add	*21.20*	
		For Work In Restricted Working Space, Add	*127.20*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	229.75	107.40
		For Below Ground Installation, Add	*8.05*	
		For Work In Restricted Working Space, Add	*48.32*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	266.35	124.84
		For Below Ground Installation, Add	*9.36*	
		For Work In Restricted Working Space, Add	*56.17*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	319.49	136.38
		For Below Ground Installation, Add	*10.22*	
		For Work In Restricted Working Space, Add	*61.35*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	113.38	60.40
		For Below Ground Installation, Add	*4.53*	
		For Work In Restricted Working Space, Add	*27.20*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	150.78	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	167.69	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	227.74	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	322.66	136.86
		For Below Ground Installation, Add	*10.26*	
		For Work In Restricted Working Space, Add	*61.55*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	380.46	162.48
		For Below Ground Installation, Add	*12.18*	
		For Work In Restricted Working Space, Add	*73.10*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	723.76	216.27
		For Below Ground Installation, Add	*16.21*	
		For Work In Restricted Working Space, Add	*97.25*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	127.66	68.19
		For Below Ground Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.67*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	147.85	79.87
		For Below Ground Installation, Add	*5.98*	
		For Work In Restricted Working Space, Add	*35.89*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	153.57	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	182.67	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	205.79	113.17
		For Below Ground Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	212.86	113.17
		For Below Ground Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	278.92	130.04
		For Below Ground Installation, Add	*9.75*	
		For Work In Restricted Working Space, Add	*58.47*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	288.78	130.04
		For Below Ground Installation, Add	*9.75*	
		For Work In Restricted Working Space, Add	*58.47*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	289.98	130.04
		For Below Ground Installation, Add	*9.75*	
		For Work In Restricted Working Space, Add	*58.47*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	300.89	135.47
		For Below Ground Installation, Add	*10.15*	
		For Work In Restricted Working Space, Add	*60.91*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	571.15	182.37
		For Below Ground Installation, Add	*13.67*	
		For Work In Restricted Working Space, Add	*82.01*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	86.85	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	100.93	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	124.30	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	82.41	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	104.17	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	152.50	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	253.35	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	350.08	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	431.65	182.65
		For Below Ground Installation, Add	*13.70*	
		For Work In Restricted Working Space, Add	*82.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	70.30	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	84.39	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	119.71	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	187.17	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	248.72	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	151.83	80.74
		For Below Ground Installation, Add	*6.06*	
		For Work In Restricted Working Space, Add	*36.34*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	163.72	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	197.70	91.54
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	293.70	120.24
		For Below Ground Installation, Add	*9.01*	
		For Work In Restricted Working Space, Add	*54.06*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	215.35	107.40
		For Below Ground Installation, Add	*8.05*	
		For Work In Restricted Working Space, Add	*48.31*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	242.50	110.57
		For Below Ground Installation, Add	*8.29*	
		For Work In Restricted Working Space, Add	*49.73*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	265.62	115.48
		For Below Ground Installation, Add	*8.65*	
		For Work In Restricted Working Space, Add	*51.91*	

22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	138.22	83.62
		For Below Ground Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.61*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	189.24	113.17
		For Below Ground Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	189.84	113.17
		For Below Ground Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	223.72	130.04
		For Below Ground Installation, Add	*9.75*	
		For Work In Restricted Working Space, Add	*58.47*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	227.70	130.04
		For Below Ground Installation, Add	*9.75*	
		For Work In Restricted Working Space, Add	*58.47*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	229.28	130.04
		For Below Ground Installation, Add	*9.75*	
		For Work In Restricted Working Space, Add	*58.47*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	266.29	144.52
		For Below Ground Installation, Add	*10.83*	
		For Work In Restricted Working Space, Add	*64.97*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	266.89	144.52
		For Below Ground Installation, Add	*10.83*	
		For Work In Restricted Working Space, Add	*64.97*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	268.69	144.52
		For Below Ground Installation, Add	*10.83*	
		For Work In Restricted Working Space, Add	*64.97*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	368.81	201.81
		For Below Ground Installation, Add	*15.13*	
		For Work In Restricted Working Space, Add	*90.77*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	373.40	201.81
		For Below Ground Installation, Add	*15.13*	
		For Work In Restricted Working Space, Add	*90.77*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	380.77	201.81
		For Below Ground Installation, Add	*15.13*	
		For Work In Restricted Working Space, Add	*90.77*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	388.44	201.81
		For Below Ground Installation, Add	*15.13*	
		For Work In Restricted Working Space, Add	*90.77*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	389.35	201.81
		For Below Ground Installation, Add	*15.13*	
		For Work In Restricted Working Space, Add	*90.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	461.38	212.87
		For Below Ground Installation, Add	*15.95*	
		For Work In Restricted Working Space, Add	*95.72*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	492.72	222.23
		For Below Ground Installation, Add	*16.66*	
		For Work In Restricted Working Space, Add	*99.98*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	552.68	241.23
		For Below Ground Installation, Add	*18.08*	
		For Work In Restricted Working Space, Add	*108.49*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	36.79	19.62
		For Below Ground Installation, Add	*1.47*	
		For Work In Restricted Working Space, Add	*8.83*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	37.75	20.47
		For Below Ground Installation, Add	*1.53*	
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	47.73	23.50
		For Below Ground Installation, Add	*1.76*	
		For Work In Restricted Working Space, Add	*10.55*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	63.32	30.99
		For Below Ground Installation, Add	*2.32*	
		For Work In Restricted Working Space, Add	*13.94*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	84.90	35.78
		For Below Ground Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.08*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	94.52	41.91
		For Below Ground Installation, Add	*3.15*	
		For Work In Restricted Working Space, Add	*18.88*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	180.64	54.04
		For Below Ground Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.29*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	230.50	58.14
		For Below Ground Installation, Add	*4.36*	
		For Work In Restricted Working Space, Add	*26.17*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	87.45	40.94
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	129.81	46.85
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	196.35	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	342.66	70.86
		For Below Ground Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.86*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	363.40	84.52
		For Below Ground Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.01*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	140.20	52.04
		For Below Ground Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	203.07	69.20
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	296.40	91.40
		For Below Ground Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.09*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	134.38	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	142.96	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	254.94	61.99
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.90*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	100.33	52.04
		For Below Ground Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	107.25	52.04
		For Below Ground Installation, Add	*3.90*	
		For Work In Restricted Working Space, Add	*23.38*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

22 13 16 00-0467	EA	1-1/2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0468	EA	2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0469	EA	3" No Hub Coupling	10.95	
		For Medium Duty (Fernco MD-2000), Add	*1.42*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.96*	
22 13 16 00-0470	EA	4" No Hub Coupling	13.00	
		For Medium Duty (Fernco MD-2000), Add	*1.69*	
		For Heavy-Duty (Fernco HD-4000), Add	*3.51*	
22 13 16 00-0471	EA	5" No Hub Coupling	30.06	
		For Medium Duty (Fernco MD-2000), Add	*3.91*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.12*	
22 13 16 00-0472	EA	6" No Hub Coupling	33.03	
		For Medium Duty (Fernco MD-2000), Add	*4.29*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.92*	
22 13 16 00-0473	EA	8" No Hub Coupling	62.23	
		For Medium Duty (Fernco MD-2000), Add	*8.09*	
		For Heavy-Duty (Fernco HD-4000), Add	*16.80*	
22 13 16 00-0474	EA	10" No Hub Coupling	85.73	
		For Medium Duty (Fernco MD-2000), Add	*11.14*	
		For Heavy-Duty (Fernco HD-4000), Add	*23.15*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	10.95	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	16.98	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	23.69	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	20.19	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub	14.09	
		For Work In Restricted Working Space, Add	*4.23*	
22 13 16 00-0490	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub	17.22	
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0491	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub	18.78	
		For Work In Restricted Working Space, Add	*5.63*	
22 13 16 00-0492	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub	23.48	
		For Work In Restricted Working Space, Add	*7.04*	
22 13 16 00-0493	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub	28.17	
		For Work In Restricted Working Space, Add	*8.45*	
22 13 16 00-0494	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub	37.58	
		For Work In Restricted Working Space, Add	*11.27*	
22 13 16 00-0495	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub	43.83	
		For Work In Restricted Working Space, Add	*13.15*	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0450 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	20.85	6.78
22 13 16 00-0498	LF	1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	24.75	7.56
22 13 16 00-0499	LF	2" Diameter, Hard Drawn DWV Copper Tube/Pipe	31.78	9.33
22 13 16 00-0500	LF	3" Diameter, Hard Drawn DWV Copper Tube/Pipe	69.78	12.93
22 13 16 00-0501	LF	4" Diameter, Hard Drawn DWV Copper Tube/Pipe	95.87	14.59
22 13 16 00-0502	LF	5" Diameter, Hard Drawn DWV Copper Tube/Pipe	182.93	16.76
22 13 16 00-0503	LF	6" Diameter, Hard Drawn DWV Copper Tube/Pipe	261.85	25.96

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies
(22 13 16 00-0505)
Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.

22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	15.86	
		For Work In Restricted Working Space, Add	*3.38*	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	19.01	
		For Work In Restricted Working Space, Add	*4.11*	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	30.77	
		For Work In Restricted Working Space, Add	*5.81*	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	39.19	
		For Work In Restricted Working Space, Add	*6.40*	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	69.63	
		For Work In Restricted Working Space, Add	*8.24*	
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	99.19	
		For Work In Restricted Working Space, Add	*11.02*	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	143.07	
		For Work In Restricted Working Space, Add	*14.69*	

22 13 16 00-0514 Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies
(22 13 16 00-0505)
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.52	6.06
		For Work In Restricted Working Space, Add	*6.94*	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.34	7.21
		For Work In Restricted Working Space, Add	*7.72*	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.24	10.38
		For Work In Restricted Working Space, Add	*9.59*	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.68	11.24
		For Work In Restricted Working Space, Add	*10.47*	
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	96.09	14.42
		For Work In Restricted Working Space, Add	*13.41*	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	125.73	19.18
		For Work In Restricted Working Space, Add	*15.37*	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	175.94	25.66
		For Work In Restricted Working Space, Add	*20.04*	

22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*
Note: Excludes fittings or hangers.

22 13 16 00-0523 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0522)*
Note: Excludes fittings or hangers.

22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.04	6.06
		For Work In Restricted Working Space, Add	*2.70*	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	14.77	7.21
		For Work In Restricted Working Space, Add	*3.24*	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	23.46	10.38
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	28.03	11.24
		For Work In Restricted Working Space, Add	*5.05*	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	40.87	13.93
		For Work In Restricted Working Space, Add	*6.26*	
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	58.20	18.52
		For Work In Restricted Working Space, Add	*8.35*	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	83.64	24.78
		For Work In Restricted Working Space, Add	*11.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0531		Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0522)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.13	6.06
		For Work In Restricted Working Space, Add	*2.70*	
22 13 16 00-0533	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	13.70	7.21
		For Work In Restricted Working Space, Add	*3.24*	
22 13 16 00-0534	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	21.43	10.38
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0535	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	25.35	11.24
		For Work In Restricted Working Space, Add	*5.05*	
22 13 16 00-0536	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	35.87	13.93
		For Work In Restricted Working Space, Add	*6.26*	
22 13 16 00-0537	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	51.17	18.52
		For Work In Restricted Working Space, Add	*8.35*	
22 13 16 00-0538	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	75.99	24.78
		For Work In Restricted Working Space, Add	*11.14*	
22 13 16 00-0539		Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*		
22 13 16 00-0540		Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0539)*		
22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	44.71	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	57.14	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	96.18	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	144.64	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	535.17	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	882.34	84.04
		For Work In Restricted Working Space, Add	*37.84*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,165.17	112.01
		For Work In Restricted Working Space, Add	*50.45*	
22 13 16 00-0548		Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0539)*		
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	69.06	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	71.15	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	132.20	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	210.69	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	407.59	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	714.68	84.04
		For Work In Restricted Working Space, Add	*37.84*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,162.16	112.01
		For Work In Restricted Working Space, Add	*50.45*	
22 13 16 00-0556		Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0539)*		
22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	46.71	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	56.97	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	93.18	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	129.96	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	497.81	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	795.51	84.04
		For Work In Restricted Working Space, Add	*37.84*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	909.74	112.01
		For Work In Restricted Working Space, Add	*50.45*	
22 13 16 00-0564		Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0539)*		
22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	69.57	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	91.38	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	152.03	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	220.70	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	795.37	93.56
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	1,035.73	126.00
		For Work In Restricted Working Space, Add	*56.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	87.13	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	102.85	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	86.33	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	125.21	53.34
		For Work In Restricted Working Space, Add	*24.00*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	128.09	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	150.81	59.97
		For Work In Restricted Working Space, Add	*27.03*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	247.74	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	310.55	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	763.00	86.35
		For Work In Restricted Working Space, Add	*38.92*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,366.52	107.98
		For Work In Restricted Working Space, Add	*48.66*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,448.39	115.19
		For Work In Restricted Working Space, Add	*51.90*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	118.79	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	160.64	61.41
		For Work In Restricted Working Space, Add	*27.68*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	315.78	82.60
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	452.53	96.01
		For Work In Restricted Working Space, Add	*43.25*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	143.99	54.78
		For Work In Restricted Working Space, Add	*24.65*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	243.21	65.31
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	280.14	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	497.03	78.71
		For Work In Restricted Working Space, Add	*35.46*	
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	523.29	89.23
		For Work In Restricted Working Space, Add	*40.22*	

22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	58.43	27.39
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	104.39	32.58
		For Work In Restricted Working Space, Add	*14.71*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	100.42	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	150.84	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	162.93	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	562.34	51.90
		For Work In Restricted Working Space, Add	*23.36*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	471.99	55.22
		For Work In Restricted Working Space, Add	*24.87*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,166.77	66.03
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	988.36	73.23
		For Work In Restricted Working Space, Add	*32.98*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,326.58	87.22
		For Work In Restricted Working Space, Add	*39.28*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,044.14	98.03
		For Work In Restricted Working Space, Add	*44.15*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0539)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	84.42	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	110.56	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	298.97	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	598.62	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	1,007.81	93.56
		For Work In Restricted Working Space, Add	*42.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0612		**Polyvinyl Chloride (PVC) DWV Closet Flanges** *(22 13 16 00-0539)*		
22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	130.30	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	107.72	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0615		**Polyvinyl Chloride (PVC) DWV Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	85.08	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	100.39	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	163.54	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	239.54	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	724.66	93.56
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	901.40	126.00
		For Work In Restricted Working Space, Add	*56.77*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,186.79	167.95
		For Work In Restricted Working Space, Add	*75.68*	
22 13 16 00-0623		**Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	114.48	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	119.02	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	166.21	53.34
		For Work In Restricted Working Space, Add	*24.00*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	139.60	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	226.96	59.97
		For Work In Restricted Working Space, Add	*27.03*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	200.71	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	226.33	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	654.56	83.03
		For Work In Restricted Working Space, Add	*37.41*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	807.43	86.35
		For Work In Restricted Working Space, Add	*38.92*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	772.58	107.98
		For Work In Restricted Working Space, Add	*48.66*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	971.66	115.19
		For Work In Restricted Working Space, Add	*51.90*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	891.93	135.94
		For Work In Restricted Working Space, Add	*61.27*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,107.28	143.15
		For Work In Restricted Working Space, Add	*64.51*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,286.82	153.97
		For Work In Restricted Working Space, Add	*69.38*	
22 13 16 00-0638		**Polyvinyl Chloride (PVC) DWV Double Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	138.13	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	177.15	61.41
		For Work In Restricted Working Space, Add	*27.68*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	343.30	82.60
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	588.79	96.01
		For Work In Restricted Working Space, Add	*43.25*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,194.39	124.84
		For Work In Restricted Working Space, Add	*56.22*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,388.76	168.10
		For Work In Restricted Working Space, Add	*75.69*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,147.31	224.03
		For Work In Restricted Working Space, Add	*100.91*	
22 13 16 00-0646		**Polyvinyl Chloride (PVC) DWV Reducing Double Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	159.73	54.78
		For Work In Restricted Working Space, Add	*24.65*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	290.47	65.31
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	271.40	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	384.75	78.71
		For Work In Restricted Working Space, Add	*35.46*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	486.14	89.23
		For Work In Restricted Working Space, Add	*40.22*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	744.05	110.43
		For Work In Restricted Working Space, Add	*49.74*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	871.56	132.05
		For Work In Restricted Working Space, Add	*59.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,105.10	146.47
		For Work In Restricted Working Space, Add	*65.96*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,168.61	160.02
		For Work In Restricted Working Space, Add	*72.08*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,510.84	174.44
		For Work In Restricted Working Space, Add	*78.57*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,824.17	196.06
		For Work In Restricted Working Space, Add	*88.30*	
22 13 16 00-0658		**Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	104.43	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	130.57	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	254.26	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	443.01	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0663		**Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	191.24	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	300.80	53.34
		For Work In Restricted Working Space, Add	*24.00*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	223.05	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	402.13	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	435.59	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 13 16 00-0669		**Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	153.15	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	178.82	61.41
		For Work In Restricted Working Space, Add	*27.68*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	274.41	82.60
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	936.70	96.01
		For Work In Restricted Working Space, Add	*43.25*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,064.73	124.84
		For Work In Restricted Working Space, Add	*56.22*	
22 13 16 00-0675		**Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	347.39	54.78
		For Work In Restricted Working Space, Add	*24.65*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	557.45	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	955.63	78.71
		For Work In Restricted Working Space, Add	*35.46*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	866.95	89.23
		For Work In Restricted Working Space, Add	*40.22*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,045.54	110.43
		For Work In Restricted Working Space, Add	*49.74*	
22 13 16 00-0681		**Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug** *(22 13 16 00-0539)*		
22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	216.84	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	375.03	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	598.70	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,566.07	93.56
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,964.06	126.00
		For Work In Restricted Working Space, Add	*56.77*	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,606.44	167.95
		For Work In Restricted Working Space, Add	*75.68*	
22 13 16 00-0688		**Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug** *(22 13 16 00-0539)*		
22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	61.56	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	87.32	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	125.37	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	221.02	48.01
		For Work In Restricted Working Space, Add	*21.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	502.48	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,122.92	84.04
		For Work In Restricted Working Space, Add	*37.84*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,064.30	112.01
		For Work In Restricted Working Space, Add	*50.43*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	43.60	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	54.64	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	83.73	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	107.82	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	290.86	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	695.70	84.04
		For Work In Restricted Working Space, Add	*37.84*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,050.80	112.01
		For Work In Restricted Working Space, Add	*50.46*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	25.68	11.97
		For Work In Restricted Working Space, Add	*5.41*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	41.90	15.43
		For Work In Restricted Working Space, Add	*6.92*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	83.20	20.62
		For Work In Restricted Working Space, Add	*9.30*	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	155.70	24.08
		For Work In Restricted Working Space, Add	*10.81*	

22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.57
22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.63
22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.79
22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.96
22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	28.53
22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	38.04
22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	46.50

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0717)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	33.97	6.06
		For Work In Restricted Working Space, Add	*8.29*	
22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.73	7.21
		For Work In Restricted Working Space, Add	*9.18*	
22 13 16 00-0721	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.94	10.38
		For Work In Restricted Working Space, Add	*11.41*	
22 13 16 00-0722	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	58.43	11.24
		For Work In Restricted Working Space, Add	*12.67*	
22 13 16 00-0723	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	95.22	14.42
		For Work In Restricted Working Space, Add	*16.86*	

22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0717)*

Note: Excludes fittings or hangers.

22 13 16 00-0725	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	11.71	6.06
		For Work In Restricted Working Space, Add	*2.70*	
22 13 16 00-0726	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	14.44	7.21
		For Work In Restricted Working Space, Add	*3.24*	
22 13 16 00-0727	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	23.02	10.38
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0728	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	27.56	11.24
		For Work In Restricted Working Space, Add	*5.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0729	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	42.74	13.93
		For Work In Restricted Working Space, Add	*6.26*	

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0717)*

22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0732	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	47.55	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0733	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	62.54	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0734	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	112.65	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0735	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	171.35	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0736	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	464.15	62.43
		For Work In Restricted Working Space, Add	*28.11*	

22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0738	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	63.46	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0739	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	78.10	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0740	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	151.27	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0741	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	248.18	48.01
		For Work In Restricted Working Space, Add	*21.63*	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0730)*

22 13 16 00-0743	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	49.70	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0744	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	61.04	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0745	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	104.73	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0746	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	156.72	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0747	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	479.57	62.43
		For Work In Restricted Working Space, Add	*28.11*	

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0749	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	73.66	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0750	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	98.66	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0751	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	168.05	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0752	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	252.34	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0753	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	922.30	93.56
		For Work In Restricted Working Space, Add	*42.17*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	90.36	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	108.03	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	92.39	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	137.34	53.34
		For Work In Restricted Working Space, Add	*24.00*	
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	142.92	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	297.97	59.97
		For Work In Restricted Working Space, Add	*27.03*	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	289.18	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	330.62	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	1,003.77	86.35
		For Work In Restricted Working Space, Add	*38.92*	

22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	131.62	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	179.12	61.41
		For Work In Restricted Working Space, Add	*27.68*	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	367.98	82.60
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	535.22	96.01
		For Work In Restricted Working Space, Add	*43.25*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0769		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	149.71	54.78
		For Work In Restricted Working Space, Add	*24.65*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	222.39	65.31
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	255.26	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	438.22	76.02
		For Work In Restricted Working Space, Add	*34.25*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	462.49	86.18
		For Work In Restricted Working Space, Add	*38.84*	
22 13 16 00-0775		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	93.52	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	109.71	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	182.65	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	275.16	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	753.51	93.56
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0781		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	129.51	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	133.83	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	154.74	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	229.35	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	259.88	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	636.16	86.35
		For Work In Restricted Working Space, Add	*38.92*	
22 13 16 00-0788		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0789	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	156.01	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0790	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	200.20	61.41
		For Work In Restricted Working Space, Add	*27.68*	
22 13 16 00-0791	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	403.03	82.60
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0792	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	709.44	96.01
		For Work In Restricted Working Space, Add	*43.25*	
22 13 16 00-0793		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	180.76	54.78
		For Work In Restricted Working Space, Add	*24.65*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	294.87	65.31
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	315.29	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	457.13	78.71
		For Work In Restricted Working Space, Add	*35.46*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	581.75	89.23
		For Work In Restricted Working Space, Add	*40.22*	
22 13 16 00-0799		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0800	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	117.09	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0801	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	151.11	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0802	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	227.95	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0803	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	369.36	69.61
		For Work In Restricted Working Space, Add	*31.33*	
22 13 16 00-0804		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	130.48	42.68
		For Work In Restricted Working Space, Add	*19.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	237.08	53.34
		For Work In Restricted Working Space, Add	*24.00*	
22 13 16 00-0807	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	183.21	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 13 16 00-0808	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	313.77	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 13 16 00-0809	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	339.83	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 13 16 00-0810		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0811	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	240.54	61.41
		For Work In Restricted Working Space, Add	*27.68*	
22 13 16 00-0812	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	465.99	82.60
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0813		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	201.51	54.78
		For Work In Restricted Working Space, Add	*24.65*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	444.29	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0816		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0817	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	128.19	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0818	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	162.21	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0819	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	252.76	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 13 16 00-0820	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	406.77	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0821		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0822	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	61.45	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0823	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	87.14	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0824	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	125.02	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	220.47	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	501.06	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0827		**Acrylonitrile Butadiene Styrene (ABS) DWV Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	44.80	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	55.37	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	87.11	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	113.51	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	298.43	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 13 16 00-0833		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducers** *(22 13 16 00-0730)*		
22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	63.29	27.39
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	119.42	32.58
		For Work In Restricted Working Space, Add	*14.71*	
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	113.09	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	175.55	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	188.85	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0839		**Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps** *(22 13 16 00-0730)*		
22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	97.11	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	138.88	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	412.15	61.99
		For Work In Restricted Working Space, Add	*27.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	761.99	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 13 16 00-0844		**Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges** *(22 13 16 00-0730)*		
22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	132.20	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	123.41	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0847		**Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters** *(22 13 16 00-0730)*		
22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	29.19	11.97
		For Work In Restricted Working Space, Add	*5.41*	
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	42.88	15.43
		For Work In Restricted Working Space, Add	*6.92*	
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	88.71	20.62
		For Work In Restricted Working Space, Add	*9.30*	
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	163.72	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0852		**Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings** *(22 13 16 00-0730)*		
22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	50.32	27.39
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	98.84	32.58
		For Work In Restricted Working Space, Add	*14.71*	
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	85.72	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	173.94	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	133.57	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	340.99	53.32
		For Work In Restricted Working Space, Add	*24.02*	
22 13 16 00-0859		**Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	161.13	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	179.56	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	203.76	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	222.20	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 13 16 00-0864		**Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe** *(22 13 16 00-0717)*		
		Note: In place piping.		
22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.57	
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.63	
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.79	
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	19.96	
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	28.53	
22 13 16 00-0870		**Elastomeric Flexible Pipe Couplings** *(22 13 16)*		
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0870)*		
		Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	17.56	6.26
		For Work In Restricted Working Space, Add	*3.76*	
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	18.88	6.65
		For Work In Restricted Working Space, Add	*3.99*	
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	19.87	7.04
		For Work In Restricted Working Space, Add	*4.23*	
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	22.68	7.44
		For Work In Restricted Working Space, Add	*4.46*	
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	25.44	7.83
		For Work In Restricted Working Space, Add	*4.70*	
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	31.76	8.22
		For Work In Restricted Working Space, Add	*4.93*	
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	38.14	8.61
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	50.95	9.39
		For Work In Restricted Working Space, Add	*5.63*	
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	66.65	10.96
		For Work In Restricted Working Space, Add	*6.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0881		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings** *(22 13 16 00-0870)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	18.68	6.65
		For Work In Restricted Working Space, Add	*3.99*	
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	20.20	7.04
		For Work In Restricted Working Space, Add	*4.23*	
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	24.30	7.44
		For Work In Restricted Working Space, Add	*4.46*	
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	22.09	7.44
		For Work In Restricted Working Space, Add	*4.46*	
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	29.41	7.83
		For Work In Restricted Working Space, Add	*4.70*	
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	28.28	7.83
		For Work In Restricted Working Space, Add	*4.70*	
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	26.19	7.83
		For Work In Restricted Working Space, Add	*4.70*	
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	36.67	8.22
		For Work In Restricted Working Space, Add	*4.93*	
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	33.47	8.22
		For Work In Restricted Working Space, Add	*4.93*	
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	44.74	8.61
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	39.96	8.61
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	41.29	8.61
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	80.55	15.66
		For Work In Restricted Working Space, Add	*9.39*	
22 13 16 00-0895	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	67.28	15.66
		For Work In Restricted Working Space, Add	*9.39*	
22 13 16 00-0896	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	84.22	17.61
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0897		**Elastomeric Flexible Pipe Caps (Fernco QC)** *(22 13 16)* Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101)	67.95	42.27
22 13 16 00-0899	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102)	72.78	44.93
22 13 16 00-0900	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103)	84.14	51.50
22 13 16 00-0901	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104)	111.09	68.10
22 13 16 00-0902	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105)	133.06	81.41
22 13 16 00-0903	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106)	153.75	93.92
22 13 16 00-0904	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108)	204.43	118.97
22 13 16 00-0905	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110)	248.07	133.06
22 13 16 00-0906	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112)	308.58	147.93
22 13 16 00-0907		**Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series)** *(22 13 16)*		
22 13 16 00-0908	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	117.08	32.43
22 13 16 00-0909	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	124.29	36.04
22 13 16 00-0910	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	183.19	46.85
22 13 16 00-0911	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	214.39	54.06
22 13 16 00-0912	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	249.30	61.27
22 13 16 00-0913	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	405.38	68.48
22 13 16 00-0914		**Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series)** *(22 13 16)*		
22 13 16 00-0915	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	227.79	32.43
22 13 16 00-0916	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	235.00	36.04
22 13 16 00-0917	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	280.98	46.85
22 13 16 00-0918	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	349.69	54.06
22 13 16 00-0919	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	472.72	61.27
22 13 16 00-0920	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	487.13	68.48
22 13 16 00-0921		**Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series)** *(22 13 16)* Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0922	EA	1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	422.52	32.43
22 13 16 00-0923	EA	2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	429.73	36.04
22 13 16 00-0924	EA	3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	496.05	46.85
22 13 16 00-0925	EA	4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	558.90	54.06
22 13 16 00-0926	EA	5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	651.56	61.27
22 13 16 00-0927	EA	6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	712.54	68.48

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001 Round Top Floor Drains *(22 13 19 13)*

22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	910.69	154.98
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	1,001.88	173.72
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	985.22	192.17
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	1,024.79	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	920.48	173.72
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	957.53	192.17
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	997.10	212.06
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,490.81	173.72
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,527.86	192.17
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,567.43	212.06
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,407.75	173.72
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,444.60	192.17
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,484.37	212.06
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,540.48	173.57
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,577.50	192.17
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,617.27	212.06
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,393.21	173.57
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,430.23	192.17
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,470.00	212.06
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,279.69	173.57
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,316.71	192.17
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,356.48	212.06
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,078.12	173.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,115.55	192.31
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,154.91	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,161.18	173.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,198.61	192.31
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,237.97	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,526.63	173.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,564.06	192.31
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,603.42	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	1,017.21	173.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	1,054.64	192.31
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	1,094.00	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,122.42	173.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,159.85	192.31
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,199.21	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,418.66	173.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,456.09	192.31
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,495.45	212.06
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,593.45	192.31
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,632.81	212.06
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,496.01	192.31
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,535.37	212.06
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,388.04	192.31
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,427.40	212.06
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,548.78	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,586.21	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,625.57	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,977.92	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,015.35	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,054.71	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,077.59	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,115.02	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,154.38	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,850.02	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,887.45	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,926.81	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,460.19	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,497.62	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,536.98	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,825.64	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,863.07	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,902.43	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,925.31	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,962.74	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	2,002.10	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,553.78	173.57
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,591.21	192.31
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,630.57	212.06
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,459.00	154.98
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,496.18	173.57
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,533.20	192.17
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,572.97	212.06
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,119.11	173.57
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,156.13	192.17
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,195.90	212.06
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	2,011.14	173.57
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	2,048.16	192.17
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	2,087.93	212.06
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	3,042.51	154.98
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	3,079.82	173.57
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,116.84	192.17
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,156.61	212.06
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,197.65	232.54
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,290.23	173.57
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,327.66	192.31
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,367.02	212.06
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,408.06	232.54
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,041.59	173.57
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,079.02	192.31
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,118.38	212.06
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,159.42	232.54
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,074.28	173.57
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,111.71	192.31
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,151.07	212.06
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,192.11	232.54
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	58.53	15.66
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	64.66	15.66
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe. Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	136.34	31.31
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	122.62	31.31

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,469.94	154.98
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,507.25	173.57
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,544.27	192.17
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	324.33	104.52
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	345.94	115.33
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	324.33	104.52
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	345.94	115.33
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	324.33	104.52
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	345.94	115.33
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	324.33	104.52
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	345.94	115.33
22 13 19 13-0121	EA	1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	434.89	115.33

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,798.20	173.72
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,835.80	192.45
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,874.75	212.06
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)*		
		Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,104.08	154.98
		For Flange With Seepage Holes, Add	*37.50*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,141.43	173.72
		For Flange With Seepage Holes, Add	*37.50*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,178.28	192.17
		For Flange With Seepage Holes, Add	*37.50*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,218.05	212.06
		For Flange With Seepage Holes, Add	*37.50*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	123.02	18.02
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	101.27	18.02
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	109.97	18.02
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	131.71	18.02
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	118.67	18.02
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	166.74	18.02
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	184.24	18.02
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	227.66	18.02
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,408.45	108.12
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,640.57	243.28
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,309.19	270.31
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,781.71	297.33
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,112.25	324.36
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,816.89	378.42
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,963.28	432.49
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,663.90	486.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,930.24	591.13
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,535.99	945.82
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,383.57	1,182.27
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,620.52	1,418.72
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	29,348.57	1,655.18
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	37,911.97	1,891.64
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,971.72	297.33
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	5,108.32	378.42
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,377.02	432.49
22 13 19 26-0021		Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,478.94	108.12
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,088.19	243.28
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,370.66	270.31
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,325.49	297.33
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,411.05	324.36
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,640.14	378.42
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,579.93	432.49
22 13 19 26-0030		Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	8,887.93	378.42
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,629.72	297.33
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,857.96	324.36
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,619.06	378.42
22 13 19 26-0036		Precast Concrete Grease Interceptor *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,903.89	537.93
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,738.16	537.93
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,648.58	614.98
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,740.19	868.51
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,881.86	1,168.52
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	14,775.42	1,537.39
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	19,086.97	2,521.08
22 13 19 26-0044		Coated Steel Manual Oil Interceptor *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,938.45	411.72
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,996.70	489.20
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	9,683.74	601.92
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,516.89	652.01
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	12,620.73	711.50
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	16,629.89	782.72
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	27,892.47	901.02
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	30,501.35	1,108.61
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	37,441.32	1,201.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	52,387.36	1,441.63
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	60,428.12	1,549.75
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	76,126.15	1,848.17
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	91,885.99	1,514.43
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	108,849.60	1,802.03

22 13 19 33 Backwater Valves *(22 13 19)*

22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*

22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve	783.10	41.38
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve	798.96	52.04
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve	1,154.93	69.20
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve	3,149.99	97.32
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve	3,848.17	128.09
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve	11,225.74	158.02
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve	12,705.71	204.95

22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,925.54	98.62
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,950.50	119.65
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,646.16	154.25
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,146.92	176.82
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,154.24	209.54

22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,315.02	156.13
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,392.30	207.60
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,874.82	261.88
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,920.35	291.96

22 13 19 36 Air-Admittance Valves *(22 13 19)*

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	183.01	20.18
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	216.40	20.18

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,371.97	204.14
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,373.63	204.14
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,912.50	204.14
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,912.50	204.14
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	2,034.49	204.14

22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	362.21	69.82
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	371.15	74.35
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0010 Sediment Strainers *(22 13 23)*

22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	238.58	95.12

22 13 29 Sanitary Sewerage Pumps *(22 13)*

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0001		Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)* Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,618.55	1,729.37
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,935.70	1,729.37
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	9,252.85	1,729.37
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	9,555.36	1,729.37
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,496.81	1,729.37
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,618.79	1,729.37
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,704.18	1,729.37
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,289.68	1,729.37
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,862.99	1,729.37
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	11,741.24	1,729.37
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	12,619.50	1,729.37
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	14,641.85	2,301.42
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	10,108.01	1,729.37
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	10,108.01	1,729.37
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	10,319.34	1,729.37
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,959.14	1,729.37
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	12,246.79	1,729.37
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,743.04	2,301.42
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	15,474.92	2,301.42
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)* Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	788.37	57.67
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	873.09	64.88
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,209.54	86.50
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,741.61	100.91
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,864.96	104.52
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,992.39	108.12
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,533.62	129.74
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,414.20	144.16
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	4,329.36	180.20
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	5,486.30	198.22
22 13 29 13-0045		Sludge Pumps *(22 13 29 13)*		
22 13 29 13-0046		Vortex Type Sludge Pumps *(22 13 29 13-0045)* Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)	48,397.99	2,066.07
		For Explosion Proof Motor, Add	*375.00*	
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)	67,792.56	2,656.37
		For Explosion Proof Motor, Add	*750.00*	
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)	87,337.98	4,058.34
		For Explosion Proof Motor, Add	*1,125.00*	
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)	37,111.83	2,361.22
		For Explosion Proof Motor, Add	*500.00*	
22 13 29 13-0051	EA	50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)	59,052.37	3,246.67
		For Explosion Proof Motor, Add	*1,250.00*	
22 13 29 13-0052	EA	Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal H12K	153,233.44	4,058.34
22 13 29 13-0053	EA	Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal I10K-M	190,175.98	4,058.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0054		Polymer Feed Sludge Pumps *(22 13 29 13-0045)*		
		Note: 230/460 volt		
22 13 29 13-0055	EA	115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA)	39,491.06	2,532.33
		Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*17,750.00*	
22 13 29 13-0056	EA	22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)	28,662.28	864.26
		Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
		For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0057	EA	12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)	26,586.79	864.26
		Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
22 13 29 13-0058	EA	8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDAA)	17,280.85	864.26
		Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.		
		For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0059		Centrifuge Pilot Pumps *(22 13 29 13-0045)*		
22 13 29 13-0060	EA	Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)	89,477.74	2,435.00
		Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*15,864.00*	
22 13 29 13-0061	EA	620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)	94,448.58	2,435.00
		Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*15,864.00*	
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,654.77	104.89
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,760.58	104.89
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,728.02	104.89
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,884.03	104.89
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,884.03	104.89
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,003.00	131.11
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,141.37	131.11
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,159.01	131.11
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,684.61	104.89
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,836.55	104.89
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,764.65	104.89
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,911.16	104.89
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,042.75	104.89
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,918.89	131.11
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,076.26	131.11
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,074.90	131.11
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,407.40	211.33
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,540.34	211.33
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,563.40	211.33
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,595.14	258.30
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,747.08	258.30
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,751.15	258.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0026		**Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,988.49	104.89
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,246.25	104.89
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,207.85	131.11
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,363.86	131.11
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,718.06	211.33
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,874.07	211.33
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,907.16	258.30
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	3,063.16	258.30
22 13 29 16-0035		**Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,945.80	131.11
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,311.13	213.67
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,703.87	261.15
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,983.20	316.54
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,720.02	371.93
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	7,510.36	427.33
22 13 29 16-0042		**Submersible Sewage Pumps, Explosion Proof** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,831.71	457.69
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,235.05	457.69
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,235.05	457.69
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,251.19	610.25
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,654.53	610.25
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,654.53	610.25
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,793.74	762.82
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,197.08	762.82
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,197.08	762.82
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,220.69	915.38
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,624.03	915.38
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,624.03	915.38
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,203.27	1,067.95
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,606.61	1,067.95
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,606.61	1,067.95
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,602.88	1,220.50
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,602.88	1,220.50
22 13 29 16-0060		**Submersible Sewage Pump Accessories** *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	827.11	119.98
		Note: Includes alarm horn, warning light and alarm float switch.		
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	853.03	119.98
		Note: Includes alarm horn, warning light, and alarm float switch.		
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	1,657.56	159.97
		Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.		
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	2,321.19	159.97
		Note: Includes alarm horn and warning light. Control float switches not included.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,881.53	159.97
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,104.45	159.97
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,137.35	199.97
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,869.19	199.97
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,845.14	199.97
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,026.59	199.97
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,947.53	199.97
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,111.06	199.97
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,571.73	199.97
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	679.73	79.99
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	137.02	39.99
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	154.97	39.99
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	171.86	39.99
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	171.98	39.99
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	488.56	39.99
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	513.68	39.99
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	542.50	39.99
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	582.86	39.99
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	266.28	39.99
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	74.16	20.00
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,377.70	119.98
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,151.12	159.97
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,806.89	199.97
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,805.00	119.98
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	3,944.20	119.98
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	410.78	79.99
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	711.03	99.98
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	718.66	119.98
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	202.70	39.99
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	388.79	39.99

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	175.86	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	226.00	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	504.57	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	705.57	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	906.57	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,053.68	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	413.95	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	830.82	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,484.05	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,993.62	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,295.84	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,424.84	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,846.60	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,304.65	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,119.42	240.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,239.56	288.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,359.69	360.41
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,814.33	432.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,874.39	480.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,194.80	504.57
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,915.79	522.59
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,688.62	240.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,848.52	288.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	2,046.08	360.41
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,812.52	432.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	3,016.97	480.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,304.96	240.32
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,425.10	288.32
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,545.23	360.41
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,982.31	432.49
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	3,042.37	480.49
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,469.97	96.16
		For Galvanized Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,518.02	120.09
		For Galvanized Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,539.87	131.04
		For Galvanized Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,163.02	173.72
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,239.64	212.06
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,220.41	240.32
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,340.55	288.32
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,460.68	360.41
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,308.22	240.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,428.36	288.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,548.49	360.41
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	2,003.14	432.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	2,063.20	480.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,383.61	504.57
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	3,104.60	522.59
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0040		Aluminum Roof Drains *(22 14 26 13)*		
22 14 26 13-0041		Aluminum Dome Roof Drains *(22 14 26 13-0040)*		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,341.16	240.32
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,461.30	288.32
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,581.43	360.41
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	2,096.13	480.06
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,416.83	504.57
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	3,137.53	522.59
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	1,003.64	288.32
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	1,139.27	360.41
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,381.47	432.49
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,503.53	480.06
22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,143.13	288.32
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,272.56	360.41
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,524.06	432.49
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,602.72	480.06
22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	1,009.84	288.32
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,145.47	360.41
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,387.67	432.49
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,460.13	480.06
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	591.54	144.16
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	591.54	144.16
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	591.54	144.16
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	906.34	180.20
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	906.34	180.20
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,160.51	180.20
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,290.23	173.57
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,327.66	192.31
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,367.02	212.06
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,408.06	232.54
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,041.59	173.57
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,079.02	192.31
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,118.38	212.06
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,159.42	232.54
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,074.28	173.57
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,111.71	192.31
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,151.07	212.06
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,192.11	232.54
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,590.40	173.57
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,627.83	192.31
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,667.19	212.06
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,708.23	232.54
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,240.40	173.57
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,277.83	192.31
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,317.19	212.06
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,358.23	232.54
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,249.87	173.57
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,287.30	192.31
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,326.66	212.06
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,367.70	232.54
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,490.64	173.57
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,528.07	192.31
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,567.43	212.06
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	920.31	173.57
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	957.74	192.31
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	997.10	212.06
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,407.58	173.57
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,445.01	192.31
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,484.37	212.06
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,405.98	173.57
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,443.41	192.31
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,482.77	212.06
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,880.48	173.57
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,917.91	192.31
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,957.27	212.06
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,140.19	173.57
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,177.62	192.31
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,216.98	212.06
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,236.89	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,274.32	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,313.68	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	777.41	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	814.84	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	854.20	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,174.28	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,211.71	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,251.07	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,062.56	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	603.08	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	999.95	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,924.60	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,962.03	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	2,001.39	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,356.05	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,393.48	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,432.84	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,846.84	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,884.27	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,923.63	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,621.64	173.57
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,659.07	192.31
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,698.43	212.06
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,750.24	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,181.69	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,672.48	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,447.28	86.50
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,903.43	407.52
		For Explosion Proof Motor, Add	*326.86*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,323.50	493.24
		For Explosion Proof Motor, Add	*363.37*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,375.92	585.98
		For Explosion Proof Motor, Add	*469.42*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,973.04	720.88
		For Explosion Proof Motor, Add	*532.01*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,484.49	781.30
		For Explosion Proof Motor, Add	*777.15*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	11,251.52	937.28
		For Explosion Proof Motor, Add	*881.47*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	13,111.69	970.73
		For Explosion Proof Motor, Add	*1,444.78*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,902.57	1,190.11
		For Explosion Proof Motor, Add	*1,917.68*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	17,214.69	1,387.97
		For Explosion Proof Motor, Add	*2,486.20*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	23,029.89	1,666.15
		For Explosion Proof Motor, Add	*3,239.01*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	31,716.37	1,850.62
		For Explosion Proof Motor, Add	*5,134.09*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.66
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.42
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.58
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,521.99
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.17
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.14
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,944.51
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,127.75

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	788.37	57.67
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	873.09	64.88
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,209.54	86.50
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,741.61	100.91
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	1,864.96	104.52
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	1,992.25	108.12
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,533.62	129.74
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,414.20	144.16
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	4,552.95	180.20
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	5,486.30	198.22

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*		
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	596.23	93.92
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	655.35	93.92
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,004.95	99.40
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,098.50	99.40
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)* Note: Includes 20' of cord with pump.		
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,657.24	99.40
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,798.22	99.40
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,891.90	109.58
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,042.63	109.58
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,109.08	125.24
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,257.21	125.24
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,271.75	148.72
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,400.39	148.72
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)* Note: Includes 20' of cord with pump.		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,256.06	93.92
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,294.58	93.92
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,602.73	99.40
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,629.79	99.40
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,944.18	104.89
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,944.18	104.89
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,055.60	109.58
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,055.60	109.58
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,346.13	125.24
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,346.13	125.24
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,729.35	148.72
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,682.51	148.72

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001		Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*		
22 15 13 00-0002		Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)* Note: For compressed air system		
22 15 13 00-0003	LF	3/4" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	10.22	3.13
22 15 13 00-0004	LF	1" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	12.32	3.45
22 15 13 00-0005	LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	16.40	4.38
22 15 13 00-0006	LF	2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	19.68	5.01
22 15 13 00-0007	LF	3" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	31.55	6.89
22 15 13 00-0008		Compression Fittings (FastPipe) *(22 15 13 00-0001)* Note: For compressed air system		
22 15 13 00-0009		Compression Union *(22 15 13 00-0008)*		
22 15 13 00-0010	EA	3/4" Diameter, FastPipe Compression Union Note: For compresed air system	26.38	4.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0011	EA	1" Diameter, FastPipe Compression Union Note: For compresed air system	39.52	6.26
22 15 13 00-0012	EA	1-1/2" Diameter, FastPipe Compression Union Note: For compresed air system	61.14	8.77
22 15 13 00-0013	EA	2" Diameter, FastPipe Compression Union Note: For compresed air system	76.69	11.28
22 15 13 00-0014	EA	3" Diameter, FastPipe Compression Union Note: For compresed air system	144.22	17.53
22 15 13 00-0015		**Compression 90 Degree Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0016	EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	27.79	4.38
22 15 13 00-0017	EA	1" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	40.99	6.26
22 15 13 00-0018	EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	62.70	8.77
22 15 13 00-0019	EA	2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	85.52	11.28
22 15 13 00-0020	EA	3" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	162.99	17.53
22 15 13 00-0021		**Compression 45 Degree Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0022	EA	1" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	41.31	6.26
22 15 13 00-0023	EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	69.48	8.77
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	91.90	11.28
22 15 13 00-0025		**Compression Tee** *(22 15 13 00-0008)*		
22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee Note: For compresed air system	37.77	6.57
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee Note: For compresed air system	53.54	9.39
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compresed air system	96.84	13.15
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee Note: For compresed air system	120.88	16.91
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee Note: For compresed air system	226.84	26.30
22 15 13 00-0031		**Compression Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	51.08	8.45
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	86.41	10.96
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	90.38	11.90
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	109.05	13.46
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	112.66	14.40
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	37.80	5.32
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	54.77	6.57
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	56.26	7.52
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	69.22	7.83
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	72.08	8.77
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	76.86	10.02
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	56.34	9.08
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	60.32	10.33
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	65.97	10.02
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	68.55	11.28
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	71.69	12.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	65.58	11.28
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	68.55	12.53
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	77.77	13.15
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	80.52	14.40
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	83.88	15.66
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	110.37	16.91
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	113.49	18.16
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	123.53	19.41
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	126.66	20.67
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	79.77	4.38
22 15 13 00-0062	EA	1" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	102.77	6.26
22 15 13 00-0063	EA	1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	210.62	8.77
22 15 13 00-0064	EA	2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	303.66	11.28
22 15 13 00-0065	EA	3" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	489.63	17.53
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	73.80	10.33
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	76.69	11.28
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	31.35	8.14
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	71.94	21.92
22 15 13 00-0074	EA	3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	79.82	26.61
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	914.19	121.68
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,042.51	125.06
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,224.22	128.44
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,376.08	135.20
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,787.56	152.10
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,021.09	173.05
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,268.05	196.04
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,663.63	219.70
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,088.12	256.87
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,476.84	274.46
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,082.07	304.20
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,693.30	338.00
		For 230 Voltage, Add	*1,205.19*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,074.18	371.80
		For 230 Voltage, Add	*1,299.17*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,466.81	412.36
		For 230 Voltage, Add	*1,393.16*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,909.63	439.40
		For 230 Voltage, Add	*1,509.25*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,247.50	456.30
		For 230 Voltage, Add	*1,600.47*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,759.30	473.20
		For 230 Voltage, Add	*2,943.87*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,557.86	490.10
		For 230 Voltage, Add	*3,173.30*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,334.31	506.99
		For 230 Voltage, Add	*3,396.10*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,640.91	540.79
		For 230 Voltage, Add	*4,067.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	16,619.59	676.00
		For 230 Voltage, Add	*4,580.28*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	23,606.99	811.20
		For 230 Voltage, Add	*6,595.38*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	32,022.56	946.39
		For 230 Voltage, Add	*9,038.93*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	35,858.78	1,081.59
		For 230 Voltage, Add	*10,108.68*	
22 15 13 00-0100		Oil And Water Separator For Air Compressor *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	804.84	48.82
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	1,076.36	57.21
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,257.47	64.83
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,577.04	76.28
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,874.77	91.53
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,781.38	190.70
22 15 13 00-0107		Heavy-Duty Industrial Pressure Regulator *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	149.30	40.56
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	207.67	54.08
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	346.75	67.60
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	440.14	101.40
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	607.63	118.30
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	641.43	135.20
22 15 13 00-0114		Heatless Desiccant Air Dryers *(22 15 13)*		
22 15 13 00-0115	EA	5 SCFM Heatless Desiccant Air Dryer	3,086.25	121.68
22 15 13 00-0116	EA	10 SCFM Heatless Desiccant Air Dryer	3,707.22	135.20
22 15 13 00-0117	EA	15 SCFM Heatless Desiccant Air Dryer	3,747.16	148.72
22 15 13 00-0118	EA	20 SCFM Heatless Desiccant Air Dryer	4,279.82	168.99
22 15 13 00-0119	EA	30 SCFM Heatless Desiccant Air Dryer	5,886.09	202.79
22 15 13 00-0120	EA	50 SCFM Heatless Desiccant Air Dryer	5,835.15	270.40
22 15 13 00-0121	EA	85 SCFM Heatless Desiccant Air Dryer	7,829.75	338.00
22 15 13 00-0122	EA	100 SCFM Heatless Desiccant Air Dryer	8,323.93	405.60
22 15 13 00-0123	EA	125 SCFM Heatless Desiccant Air Dryer	9,532.36	473.20
22 15 13 00-0124	EA	175 SCFM Heatless Desiccant Air Dryer	10,945.18	540.79
22 15 13 00-0125	EA	200 SCFM Heatless Desiccant Air Dryer	11,770.51	608.39
22 15 13 00-0126	EA	300 SCFM Heatless Desiccant Air Dryer	14,371.37	676.00
22 15 13 00-0127	EA	400 SCFM Heatless Desiccant Air Dryer	15,983.33	811.20
22 15 13 00-0128	EA	500 SCFM Heatless Desiccant Air Dryer	18,476.14	946.39
22 15 13 00-0129	EA	600 SCFM Heatless Desiccant Air Dryer	21,315.40	1,081.59
22 15 13 00-0130		Air-Cooled Aftercoolers *(22 15 13)*		
22 15 13 00-0131	EA	20 SCFM Air-Cooled Aftercooler	795.58	84.50
22 15 13 00-0132	EA	35 SCFM Air-Cooled Aftercooler	1,070.76	101.40
22 15 13 00-0133	EA	43 SCFM Air-Cooled Aftercooler	1,178.27	118.30
22 15 13 00-0134	EA	70 SCFM Air-Cooled Aftercooler	1,436.89	135.20
22 15 13 00-0135	EA	125 SCFM Air-Cooled Aftercooler	1,990.35	152.10
22 15 13 00-0136	EA	185 SCFM Air-Cooled Aftercooler	2,234.24	168.99
22 15 13 00-0137	EA	260 SCFM Air-Cooled Aftercooler	4,287.27	202.79
22 15 13 00-0138	EA	365 SCFM Air-Cooled Aftercooler	4,489.77	236.60
22 15 13 00-0139	EA	560 SCFM Air-Cooled Aftercooler	4,690.78	270.40
22 15 13 00-0140	EA	650 SCFM Air-Cooled Aftercooler	5,496.97	304.20
22 15 13 00-0141	EA	750 SCFM Air-Cooled Aftercooler	6,011.27	338.00
22 15 13 00-0142	EA	900 SCFM Air-Cooled Aftercooler	6,888.23	371.80
22 15 13 00-0143	EA	1,100 SCFM Air-Cooled Aftercooler	8,820.75	405.60
22 15 13 00-0144	EA	1,460 SCFM Air-Cooled Aftercooler	10,081.73	439.40
22 15 13 00-0145	EA	1,800 SCFM Air-Cooled Aftercooler	10,416.54	473.20
22 15 13 00-0146	EA	2,500 SCFM Air-Cooled Aftercooler	11,169.66	506.99
22 15 13 00-0147		Compressed Air Coalescing Filters *(22 15 13)*		
22 15 13 00-0148		Coalescing Filters, 1, 2 And 3 Stage Type *(22 15 13 00-0147)*		
22 15 13 00-0149	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", DX	368.04	57.67
22 15 13 00-0150	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", BX	280.85	57.67
22 15 13 00-0151	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", DX	380.98	57.67
22 15 13 00-0152	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", BX	289.32	57.67
22 15 13 00-0153	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", DX	368.04	57.67
22 15 13 00-0154	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", BX	280.85	57.67
22 15 13 00-0155	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", DX	654.86	57.67
22 15 13 00-0156	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", BX	654.86	57.67
22 15 13 00-0157	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", CI	654.86	57.67
22 15 13 00-0158	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", DX	654.86	57.67
22 15 13 00-0159	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", BX	654.86	57.67
22 15 13 00-0160	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", CI	654.86	57.67
22 15 13 00-0161	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", DX	712.97	72.09
22 15 13 00-0162	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", BX	712.97	72.09
22 15 13 00-0163	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A917A, 1/2", CI	876.86	72.09
22 15 13 00-0164	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", DX	2,170.90	93.70
22 15 13 00-0165	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", BX	2,170.90	93.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0166	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", CI	1,593.62	93.70
22 15 13 00-0167	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", DX	2,170.90	93.70
22 15 13 00-0168	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", BX	2,170.90	93.70
22 15 13 00-0169	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", CI	1,593.62	93.70
22 15 13 00-0170	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", DX	2,170.90	93.70
22 15 13 00-0171	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", BX	2,170.90	93.70
22 15 13 00-0172	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", CI	1,593.62	93.70
22 15 13 00-0173	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", DX	2,906.07	93.70
22 15 13 00-0174	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", BX	2,906.07	93.70
22 15 13 00-0175	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", CI	2,111.69	93.70
22 15 13 00-0176	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", DX	4,917.99	115.33
22 15 13 00-0177	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", BX	4,917.99	115.33
22 15 13 00-0178	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", CI	3,970.66	115.33
22 15 13 00-0179	EA	Coalescing Filters, AKCU-0280, 3", DX	11,331.98	172.99
22 15 13 00-0180	EA	Coalescing Filters, AKCU-0280, 3", BX	15,179.95	172.99
22 15 13 00-0181	EA	Coalescing Filters, AKCU-0280, 3", CI	24,044.91	172.99
22 15 13 00-0182	EA	Coalescing Filters, AKC-0280, 3", DX	11,461.78	237.87
22 15 13 00-0183	EA	Coalescing Filters, AKC-0280, 3", BX	15,309.75	237.87
22 15 13 00-0184	EA	Coalescing Filters, AKC-0280, 3", CI	24,174.71	237.87
22 15 13 00-0185	EA	Coalescing Filters, AKH-0280, 3", DX	11,562.65	288.32
22 15 13 00-0186	EA	Coalescing Filters, AKH-0280, 3", BX	15,410.62	288.32
22 15 13 00-0187	EA	Coalescing Filters, AKH-0280, 3", CI	24,275.58	288.32
22 15 13 00-0188	EA	Coalescing Filters, AKC-0480, 4", DX	20,431.04	367.47
22 15 13 00-0189	EA	Coalescing Filters, AKC-0480, 4", BX	30,983.09	367.47
22 15 13 00-0190	EA	Coalescing Filters, AKC-0480, 4", CI	31,572.02	367.47
22 15 13 00-0191	EA	Coalescing Filters, AKH-0480, 4", DX	20,546.39	425.28
22 15 13 00-0192	EA	Coalescing Filters, AKH-0480, 4", BX	31,098.44	425.28
22 15 13 00-0193	EA	Coalescing Filters, AKH-0480, 4", CI	31,687.37	425.28
22 15 13 00-0194	EA	Coalescing Filters, AKC-0880, 6", DX	32,919.56	461.18
22 15 13 00-0195	EA	Coalescing Filters, AKC-0880, 6", BX	41,917.36	461.18
22 15 13 00-0196	EA	Coalescing Filters, AKC-0880, 6", CI	43,794.85	461.18
22 15 13 00-0197	EA	Coalescing Filters, AKH-0880, 6", DX	33,034.84	518.84
22 15 13 00-0198	EA	Coalescing Filters, AKH-0880, 6", BX	42,032.64	518.84
22 15 13 00-0199	EA	Coalescing Filters, AKH-0880, 6", CI	43,910.13	518.84
22 15 13 00-0200	EA	Coalescing Filters, AKC-1480, 8", DX	52,621.01	612.26
22 15 13 00-0201	EA	Coalescing Filters, AKC-1480, 8", BX	81,230.65	612.26
22 15 13 00-0202	EA	Coalescing Filters, AKC-1480, 8", CI	83,914.05	612.26
22 15 13 00-0203	EA	Coalescing Filters, AKH-1480, 8", DX	52,678.98	641.24
22 15 13 00-0204	EA	Coalescing Filters, AKH-1480, 8", BX	81,288.62	641.24
22 15 13 00-0205	EA	Coalescing Filters, AKH-1480, 8", CI	83,972.02	641.24
22 15 13 00-0206	EA	Coalescing Filters, AKC-2280, 10", DX	72,039.89	757.14
22 15 13 00-0207	EA	Coalescing Filters, AKC-2280, 10", BX	105,511.53	757.14
22 15 13 00-0208	EA	Coalescing Filters, AKC-2280, 10", CI	110,400.10	757.14
22 15 13 00-0209	EA	Coalescing Filters, AKH-2280, 10", DX	72,225.61	849.98
22 15 13 00-0210	EA	Coalescing Filters, AKH-2280, 10", BX	105,697.25	849.98
22 15 13 00-0211	EA	Coalescing Filters, AKH-2280, 10", CI	110,585.82	849.98
22 15 13 00-0212		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0147)*		
22 15 13 00-0213	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	283.45	49.58
22 15 13 00-0214	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	335.05	49.58
22 15 13 00-0215	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	366.88	57.21
22 15 13 00-0216	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	422.36	65.60
22 15 13 00-0217	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	491.39	72.47
22 15 13 00-0218	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	558.74	87.72
22 15 13 00-0219	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	584.60	95.36
22 15 13 00-0220	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	730.09	114.42
22 15 13 00-0221	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	939.05	152.56
22 15 13 00-0222	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	1,073.02	171.64
22 15 13 00-0223		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0147)*		
22 15 13 00-0224	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	342.42	49.58
22 15 13 00-0225	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	372.39	57.21
22 15 13 00-0226	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	427.52	65.60
22 15 13 00-0227	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	501.71	64.83
22 15 13 00-0228	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	570.54	87.72
22 15 13 00-0229	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	645.87	95.36
22 15 13 00-0230	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	743.36	114.42
22 15 13 00-0231	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	961.17	152.56
22 15 13 00-0232	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,102.50	171.64
22 15 13 00-0233		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0234		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0233)*		
22 15 13 00-0235	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	474.31	108.16
22 15 13 00-0236	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	1,019.38	118.30
22 15 13 00-0237	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,080.47	124.39
22 15 13 00-0238	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,234.69	135.20
22 15 13 00-0239	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,609.17	182.52
22 15 13 00-0240	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,950.12	202.79
22 15 13 00-0241	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,954.14	236.60
22 15 13 00-0242	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,440.52	270.40
22 15 13 00-0243	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	4,956.73	287.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0244	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,213.11	304.20
22 15 13 00-0245	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,522.93	354.89
22 15 13 00-0246	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	13,736.46	422.49

22 15 13 00-0247 Vertical Compressed Air Storage Tanks *(22 15 13 00-0233)*

22 15 13 00-0248	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	950.18	108.16
22 15 13 00-0249	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	994.92	118.30
22 15 13 00-0250	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,080.47	124.39
22 15 13 00-0251	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,283.13	135.20
22 15 13 00-0252	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,754.47	182.52
22 15 13 00-0253	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	2,020.09	202.79
22 15 13 00-0254	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,801.98	236.60
22 15 13 00-0255	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,126.92	270.40
22 15 13 00-0256	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,557.00	287.30
22 15 13 00-0257	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,234.65	304.20
22 15 13 00-0258	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	8,004.37	354.89
22 15 13 00-0259	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,469.24	388.69
22 15 13 00-0260	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	17,488.49	439.40

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,347.46	479.68
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,510.13	553.64
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,010.89	653.82
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,563.82	721.42
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,553.45	761.98
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,927.57	789.02
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,660.16	901.77
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	7,140.93	955.85
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,552.16	1,082.13

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	6,382.60	843.10
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,872.91	991.96
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	7,194.92	1,082.13
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	8,265.48	1,442.84
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,883.71	1,442.84
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	9,599.43	1,803.55
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	10,160.15	1,803.55
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	13,012.90	2,230.78
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	13,983.79	2,298.38
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	15,100.75	2,686.14
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	22,521.98	3,040.62
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	24,234.22	3,435.81
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	27,003.40	3,797.33
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	29,383.89	4,161.69

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,854.07	1,217.45
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	12,168.83	1,623.28
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,591.32	2,035.19
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,096.84	2,593.58
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,711.28	3,051.26
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,079.81	3,432.67
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	27,501.63	3,814.08
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	32,997.38	4,271.77
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	36,247.14	4,576.89
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	40,645.90	4,932.36
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	52,615.82	5,339.71
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	58,324.14	5,644.84
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	93,026.52	6,102.52
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	115,855.65	6,598.35
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	134,466.91	7,101.81
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	174,627.78	7,628.15
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	198,295.91	8,116.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)* Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,569.19	1,623.28
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	14,397.34	1,623.28
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,249.80	2,035.19
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,155.59	2,035.19
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,459.15	2,593.58
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,416.69	2,593.58
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,010.33	3,051.26
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	22,045.51	3,051.26
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	35,983.70	3,432.67
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	38,793.72	3,814.08
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	41,344.95	4,271.77

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 16 Commercial Domestic Water Softeners *(22 31)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) *(22 31 16)*		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,468.76	396.45
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,716.29	414.47
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,168.52	432.49
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	7,096.08	450.51
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,561.95	468.52
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,176.68	432.49
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,599.36	450.51
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	9,067.50	468.52
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,768.29	486.55
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,966.48	504.57
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,561.05	522.59
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,397.35	450.51
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,849.58	468.52
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,554.92	486.55
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,753.10	504.57
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,488.68	522.59
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,371.81	540.61
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,503.78	558.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	29,914.51	522.59
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,553.63	540.61
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	38,631.01	558.63
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	48,626.00	576.65
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	53,838.23	594.67
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,341.52	675.77
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,243.86	702.80
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	24,183.96	729.83
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,437.22	756.86
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	32,258.77	783.89
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	42,715.25	810.92
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	50,265.24	837.94
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	54,919.40	783.89
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	63,083.44	810.92
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	70,885.87	837.94
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	90,177.81	864.97
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	100,677.51	892.00
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,197.91	594.67
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,674.99	621.70
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,368.11	648.73
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	10,032.34	675.77
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,091.61	702.80
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	14,037.82	648.73
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,801.44	675.77
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,928.94	702.80
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	18,225.42	729.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,556.01	756.86
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,720.31	783.89

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001 Commercial Water Filters Housings *(22 32 16)*

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*

22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,826.94	247.91
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,885.54	266.98
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	3,071.51	286.06
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,398.48	305.13
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,502.58	324.19
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,236.63	343.27
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,793.45	362.34
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,712.40	381.41
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,393.88	400.48
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,290.09	419.55

22 32 16 00-0014 Commercial Water Filter Cartridges *(22 32 16 00-0002)*

22 32 16 00-0015 (Depth) Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	14.63	3.06
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	14.63	3.06
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	14.63	3.06
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	12.35	3.06
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	15.20	3.06
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	15.20	3.06
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	16.33	3.06
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	20.31	3.06
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	16.33	3.06
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	19.18	3.06
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	19.18	3.06
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	19.18	3.06
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	20.88	3.06
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	27.14	3.06
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	24.86	3.06
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	24.86	3.06
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	27.14	3.06

22 32 16 00-0033 Pleated Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	25.43	3.06
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	25.43	3.06
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	26.00	3.06
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	27.71	3.06
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	41.35	3.06
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	39.65	3.06
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	39.65	3.06
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	39.65	3.06
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	52.15	3.06
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	73.76	3.06
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	61.82	3.06
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	85.70	3.06
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	89.11	3.06
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	100.48	3.06

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*

22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,232.74	228.85

22 32 16 00-0051 Commercial Water Filter Cartridges *(22 32 16 00-0048)*

22 32 16 00-0052 Carbon Water Filter Cartridges *(22 32 16 00-0051)*

22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	714.53	3.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	148.81	3.06
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	147.67	3.06
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	147.67	3.06
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	169.28	3.06
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	392.72	3.06
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	368.84	3.06
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	401.82	3.06
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	421.15	3.06
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	448.44	3.06
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	485.97	3.06

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	616.80	78.27
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	667.37	78.27

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	822.64	117.41
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	866.88	156.55
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,471.15	273.95
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,195.66	313.09
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,645.31	156.55
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,253.63	234.82
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,497.45	313.09
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,589.86	313.09
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,677.13	313.09
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,805.48	313.09

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,170.63	246.56
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,427.83	262.21
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,677.20	273.95

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,787.61	273.95
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,687.21	281.78
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,663.34	289.61
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,849.76	293.52
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,658.12	301.35
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,709.85	313.09
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,585.19	332.65
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,914.39	273.95
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,828.39	281.78
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,934.40	289.61
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*		
		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,976.48	281.78
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,154.64	289.61
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,638.22	301.35
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,865.00	313.09
22 33 30 16-0018		Water Heater Accessories *(22 33 30 16)*		
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	150.04	15.66
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	176.53	15.66
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	340.18	15.66
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	455.36	15.66
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	83.04	11.74
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	90.21	11.74
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	95.00	11.74
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	111.74	11.74
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	47.04	11.74
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	50.87	11.74
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	56.25	11.74
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	63.17	11.74
22 33 30 23		**Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 23-0001		Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,404.66	313.09
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,269.31	332.65
22 33 33		**Light-Commercial Electric Domestic Water Heaters** *(22 33)*		
22 33 33 00-0001		Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*		
		Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	11,110.05	273.95
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,554.78	273.95
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	12,036.57	273.95
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	12,114.84	313.09
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,670.75	313.09
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,560.21	313.09
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,153.19	313.09
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,634.98	313.09
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,153.83	313.09
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,226.67	313.09
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,745.52	313.09
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,338.49	313.09
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,820.28	313.09
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,339.13	313.09
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,156.39	313.09
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,383.85	391.36
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,865.64	391.36
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,458.61	391.36
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,977.46	391.36
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,831.79	391.36
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,610.70	391.36
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,352.56	391.36
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,615.80	469.63
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	17,097.59	469.63
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,579.38	469.63
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	18,098.24	469.63
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	22,063.74	469.63
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,842.66	469.63
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,584.52	469.63
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,734.68	469.63
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	30,143.00	469.63
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	35,035.02	469.63
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,335.36	469.63
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,934.75	469.63
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,633.69	626.18
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	19,189.60	626.18
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,708.45	626.18
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	20,153.18	626.18
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	24,081.63	626.18
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,860.55	626.18
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,565.34	626.18
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,789.63	626.18
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	32,160.88	626.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	37,089.97	626.18
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,427.37	626.18
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,989.69	626.18
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,828.57	704.45
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,347.43	704.45
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,792.15	704.45
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,757.66	704.45
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,351.27	704.45
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	29,204.31	704.45
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,428.60	704.45
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,836.91	704.45
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,469.51	704.45
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	45,066.34	704.45
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,628.67	704.45
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,431.14	782.72
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	24,024.11	782.72
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,878.43	782.72
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,657.35	782.72
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,399.21	782.72
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,549.38	782.72
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,994.75	782.72
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,849.71	782.72
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	47,150.05	782.72
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,786.50	782.72
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	25,078.42	939.27
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,597.27	939.27
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,451.59	939.27
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	31,156.39	939.27
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,972.37	939.27
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	36,122.53	939.27
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,456.72	939.27
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,459.93	939.27
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,797.33	939.27
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	59,322.59	939.27
22 33 33 00-0079		Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*		
		Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,845.49	273.95
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	3,078.98	273.95
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,331.43	313.09
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,999.81	313.09
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,897.57	391.36
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,610.03	469.63
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,961.71	704.45
22 33 33 00-0087		Water Heater Accessories *(22 33 33)*		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	55.05	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	79.51	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0090		Removal And Reinstallation Of Water Heater *(22 33 33)*		
		Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	521.82	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,565.45	
22 33 36		**Commercial Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,673.57	1,008.87
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,708.00	1,008.87
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,742.45	1,008.87
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,776.88	1,008.87
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,845.74	1,008.87
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,914.62	1,008.87
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	59,169.72	1,008.87
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	44,436.71	1,185.43
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,486.79	1,185.43
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,536.88	1,185.43
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,586.96	1,185.43
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,687.13	1,185.43
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,787.30	1,185.43
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	62,067.44	1,185.43
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,987.63	1,185.43
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	46,188.69	1,349.36
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	48,209.21	1,349.36
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	50,229.74	1,349.36
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	52,250.26	1,349.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	56,291.31	1,349.36
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	60,332.36	1,349.36
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	64,373.41	1,349.36
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	69,222.67	1,349.36
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	74,071.92	1,349.36
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,974.10	1,551.14
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	53,007.56	1,551.14
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	55,041.01	1,551.14
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	59,107.93	1,551.14
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	63,174.84	1,551.14
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	66,428.37	1,551.14
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,664.31	1,551.14
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,544.60	1,551.14
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,984.75	1,551.14
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	82,424.90	1,551.14
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,865.05	1,551.14
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	56,622.89	1,828.58
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	58,528.45	1,828.58
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	60,434.02	1,828.58
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	64,245.14	1,828.58
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	68,056.26	1,828.58
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	71,105.16	1,828.58
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	75,678.51	1,828.58
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	80,251.85	1,828.58
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	82,538.53	1,828.58
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,825.20	1,828.58
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	87,111.87	1,828.58
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	90,541.89	1,828.58
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	62,095.13	2,017.74
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	64,449.50	2,017.74
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	66,803.87	2,017.74
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	71,512.60	2,017.74
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	76,221.33	2,017.74
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,988.32	2,017.74
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	85,638.80	2,017.74
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	91,289.28	2,017.74
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	94,114.51	2,017.74
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,939.75	2,017.74
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	99,765.00	2,017.74
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	105,415.47	2,017.74
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	108,240.71	2,017.74
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	72,458.75	2,269.96
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	74,967.85	2,269.96
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	77,476.94	2,269.96
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	82,495.14	2,269.96
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	87,513.34	2,269.96
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	91,527.89	2,269.96
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	97,549.73	2,269.96
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	103,571.57	2,269.96
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	106,582.48	2,269.96
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	109,593.40	2,269.96
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	112,604.32	2,269.96
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	118,626.16	2,269.96
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	121,637.08	2,269.96
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	127,658.91	2,269.96
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	133,680.74	2,269.96
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	85,013.29	2,522.18
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	87,930.56	2,522.18
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	90,847.84	2,522.18
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	96,682.37	2,522.18
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	102,516.92	2,522.18
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	107,184.55	2,522.18
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	113,206.39	2,522.18
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	120,207.84	2,522.18
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	123,708.57	2,522.18
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	127,209.29	2,522.18
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	130,710.01	2,522.18
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	138,691.08	2,522.18
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	145,692.53	2,522.18
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	149,193.26	2,522.18
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	156,194.70	2,522.18
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	98,205.55	3,367.11
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	104,150.45	3,367.11
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	110,095.35	3,367.11
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	114,851.27	3,367.11
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	121,985.16	3,367.11
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	129,119.03	3,367.11
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	132,685.98	3,367.11
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	136,252.92	3,367.11
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	139,819.85	3,367.11
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	146,953.74	3,367.11
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	154,087.63	3,367.11
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	157,654.56	3,367.11
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	164,788.45	3,367.11
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	115,130.27	4,325.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	120,220.17	4,325.53
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	125,310.07	4,325.53
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	129,382.00	4,325.53
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	135,489.89	4,325.53
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	141,597.78	4,325.53
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	144,651.71	4,325.53
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	147,705.66	4,325.53
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	150,759.60	4,325.53
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	156,867.48	4,325.53
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	162,975.37	4,325.53
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	166,029.31	4,325.53
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	172,137.19	4,325.53
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	127,840.25	5,044.35
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	132,517.35	5,044.35
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	137,194.45	5,044.35
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	140,936.13	5,044.35
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	146,548.66	5,044.35
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	152,161.18	5,044.35
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	154,967.44	5,044.35
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	157,773.70	5,044.35
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	160,579.97	5,044.35
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	166,192.48	5,044.35
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	171,805.00	5,044.35
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	174,611.26	5,044.35
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	180,223.79	5,044.35
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	185,836.31	5,044.35
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	140,467.56	6,053.23
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	144,986.35	6,053.23
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	149,505.15	6,053.23
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	153,120.18	6,053.23
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	158,542.73	6,053.23
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	163,965.29	6,053.23
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	166,676.56	6,053.23
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	169,387.84	6,053.23
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	172,099.11	6,053.23
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	177,521.67	6,053.23
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	182,944.22	6,053.23
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	185,655.49	6,053.23
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	191,078.04	6,053.23
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	196,500.60	6,053.23

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,493.98	313.09
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,697.48	317.01
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,962.18	324.83
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,457.85	332.65
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,194.58	352.22
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,283.52	352.22

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,689.66	313.09
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,194.58	352.22

22 34 30 Residential Gas Domestic Water Heaters *(22 34)*

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,873.16	301.35
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,840.82	309.18
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,440.96	317.01
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,640.29	324.83
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,881.70	332.65
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,250.88	352.22

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,406.93	309.18
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,880.99	317.01
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	5,040.91	324.83

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	3,097.32	309.18
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,225.91	317.01

22 34 36 Commercial Gas Domestic Water Heaters *(22 34)*

22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)*

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	7,324.69	469.63
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,835.12	547.91
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,676.43	626.18
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,399.39	626.18
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	9,624.26	626.18
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	12,783.81	688.80
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,354.47	704.45
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	13,781.57	774.90
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,496.00	704.45
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	13,158.18	774.90
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,550.41	861.00
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	14,429.25	947.10
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,830.89	861.00
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	14,513.49	947.10
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,482.05	939.27
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	16,016.70	1,033.19
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,497.83	939.27
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	18,914.61	1,033.19
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	18,832.76	1,017.54
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	9,418.80	547.91
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	11,280.60	602.69
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,811.21	626.18
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	11,739.22	688.80
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,467.47	391.36
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,686.49	391.36

22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	711.57	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,881.55	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,993.68	469.63
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	8,504.07	469.63
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	10,362.30	547.91
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,805.26	626.18
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,855.81	626.18
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	11,091.68	626.18
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	13,002.84	688.80
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	12,242.27	704.45
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	15,028.35	774.90
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,875.48	861.00
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	15,743.42	947.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	13,145.05	861.00
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	15,911.90	947.10
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	14,733.71	939.27
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	17,297.17	1,033.19
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	17,783.25	939.27
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	20,498.35	1,033.19

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,679.51	469.63
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	6,229.55	469.63
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,510.02	469.63
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,771.42	516.60
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	11,036.23	547.91
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,892.09	602.69
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	11,226.47	626.18
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	14,333.86	688.80
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,966.75	704.45
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	15,752.82	774.90
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	20,595.73	947.10
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	21,660.88	1,033.19
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	24,899.47	1,119.30

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	98,928.42	2,017.74
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	119,576.51	2,143.85
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	145,249.65	2,269.96
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	173,599.45	2,396.07
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	181,962.18	2,522.18

22 34 36 23-0007 Gas Fired Water Heaters, High Efficiency (90%) *(22 34 36 23)*

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 34 36 23-0008	EA	500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	25,834.90	1,430.82
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0009	EA	750 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	34,594.58	1,668.77
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0010	EA	1,000 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	40,622.46	2,001.90
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0011	EA	1,200 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	44,828.71	2,508.47
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0012	EA	1,500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	50,052.57	2,755.19
		For Skid Mounting, Add	*950.00*	

22 34 36 23-0013 Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*

22 34 36 23-0014	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,511.53	1,124.18
22 34 36 23-0015	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,584.06	1,264.70
22 34 36 23-0016	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,746.51	1,545.75
22 34 36 23-0017	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,824.72	1,686.28
22 34 36 23-0018	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	25,128.52	1,967.31
22 34 36 23-0019	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,743.46	2,248.36
22 34 36 23-0020	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,762.63	2,529.41
22 34 36 23-0021	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,928.14	2,810.45
22 34 36 23-0022	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	39,363.79	2,950.98
22 34 36 23-0023	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	42,212.81	3,091.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0024		Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)*		
		Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0025	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,881.51	843.00
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	24,140.28	1,124.18
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	31,558.24	1,264.70
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0028	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	39,621.30	1,545.75
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0029	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,784.76	1,686.28
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0030	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,889.40	1,826.80
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0031	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	63,445.07	1,967.31
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0032	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	70,299.71	2,107.84
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0033	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	92,352.06	2,248.36
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0034	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	124,131.08	2,950.98
		For Skid Mounting, Add	*950.00*	
22 34 36 26		**Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 26-0001		Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*		
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	37,789.86	2,135.94
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	53,065.61	2,360.79
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	57,539.20	2,473.20
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	62,330.44	2,698.04
22 34 36 26-0006		Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	33,627.56	2,135.94
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	37,150.20	2,360.79
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	40,562.13	2,473.20
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	44,075.23	2,698.04
22 34 36 26-0011		Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,856.42	1,011.77
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,748.67	1,124.18
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,463.15	1,349.02
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,928.33	1,405.23
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,614.61	1,686.28
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,696.86	2,023.53
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,585.11	2,135.94
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,220.73	2,304.57
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	29,666.49	2,416.99
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	31,782.31	2,473.20
22 34 36 26-0022		Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	24,596.44	1,686.28
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	27,209.24	2,023.53
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,510.35	2,304.57
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,533.92	2,416.99
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	35,048.48	2,473.20
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	29,579.91	2,023.53
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	35,656.10	2,304.57
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	37,862.92	2,473.20
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 11		**Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46 11-0001		**Oil-Fired Domestic Water Heaters** *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	3,956.38	241.08
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,910.06	241.08
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	4,058.89	241.08
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,251.92	247.34
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,264.50	253.60
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,528.52	253.60
22 34 46 11-0008		**Oil-Fired Commercial Water Heaters** *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	6,030.63	375.71
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	6,999.60	375.71
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	7,036.88	375.71
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	9,818.21	500.94
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	13,773.29	626.18
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	17,079.91	688.80

22 35 Domestic Water Heat Exchangers *(22 30)*

22 35 23 Circulating, Domestic Water Heat Exchangers *(22 35)*

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers *(22 35 23)*

22 35 23 13-0001		**Steam Driven Water Heaters** *(22 35 23 13)*		
22 35 23 13-0002		**Constant Flow** *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,889.81	782.72
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,595.47	959.15
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	11,027.70	1,254.39
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,948.86	1,747.20
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	22,217.66	2,877.61
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	24,280.15	3,261.29
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	31,586.53	3,763.02
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	37,962.70	4,447.29
22 35 23 13-0011		**Variable Flow** *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	10,564.41	1,526.32
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	12,044.77	1,863.67
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	15,382.10	2,409.85
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	20,279.96	3,362.27
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	30,586.40	5,623.09
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	36,876.92	6,192.44
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	42,757.15	7,247.40
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	53,867.90	8,658.50
22 35 23 13-0020		**Aerco Steam Fired Water Heaters** *(22 35 23 13-0001)* Note: For 5 to 15 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.		
22 35 23 13-0021	EA	10 GPM, B+04/2.00/ Pneumatic Aerco Steam Fired Water Heater	41,325.46	1,643.71
22 35 23 13-0022	EA	20 GPM, B+05/2.50/ Pneumatic Aerco Steam Fired Water Heater	48,898.17	2,191.63
22 35 23 13-0023	EA	30 GPM, B+07/3.00/ Pneumatic Aerco Steam Fired Water Heater	54,716.40	2,568.28
22 35 23 13-0024	EA	40 GPM, B+09/4.00/ Pneumatic Aerco Steam Fired Water Heater	57,686.18	3,081.95
22 35 23 13-0025	EA	50 GPM, B+11/4.00/ Pneumatic Aerco Steam Fired Water Heater	66,966.72	4,109.26
22 35 23 13-0026		**Pneumatic Temperature Control Valve** *(22 35 23 13-0001)* Note: For aerco steam fired water heaters. For 30 to 50 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.		
22 35 23 13-0027	EA	10 GPM, B+03/1.00/ Pneumatic Temperature Control Valve	37,581.02	1,643.70
22 35 23 13-0028	EA	20 GPM, B+04/1.25/ Pneumatic Temperature Control Valve	40,807.96	2,054.64
22 35 23 13-0029	EA	30 GPM, B+05/1.25/ Pneumatic Temperature Control Valve	43,715.57	2,568.28
22 35 23 13-0030	EA	40 GPM, B+06/2.00/ Pneumatic Temperature Control Valve	48,337.48	3,081.94
22 35 23 13-0031	EA	50 GPM, B+07/2.00/ Pneumatic Temperature Control Valve	52,689.50	4,109.26
22 35 23 13-0032	EA	60 GPM, B+10/2.00/ Pneumatic Temperature Control Valve	59,983.29	5,136.57
22 35 23 13-0033	EA	70 GPM, B+11/2.50/ Pneumatic Temperature Control Valve	68,972.02	6,163.89
22 35 23 13-0034	EA	80 GPM, B+14/2.50/ Pneumatic Temperature Control Valve	76,699.34	7,191.20
22 35 23 13-0035		**Aerco Water To Water Heaters** *(22 35 23 13-0001)* Note: For 180 F to 200 F boiled water. Air compressor not required.		
22 35 23 13-0036	EA	10 GPM, WW3E+06/1.50/ Self-Contained Temperature Control Valve	52,109.31	1,643.70
22 35 23 13-0037	EA	20 GPM, WW3E+08/2.00/ Self-Contained Temperature Control Valve	58,122.88	2,054.64
22 35 23 13-0038	EA	30 GPM, WW3E+10/2.50/ Self-Contained Temperature Control Valve	68,308.59	2,568.28
22 35 23 13-0039	EA	40 GPM, WW3E+12/2.50/ Self-Contained Temperature Control Valve	74,009.20	4,109.20
22 35 23 13-0040	EA	50 GPM, WW3E+14/3.00/ Self-Contained Temperature Control Valve	83,779.49	4,109.26
22 35 23 13-0041	EA	60 GPM, WW3E+15/3.00/ Self-Contained Temperature Control Valve	89,585.42	5,136.57
22 35 23 13-0042	EA	70 GPM, WW3E+17/3.00/ Self-Contained Temperature Control Valve	96,429.17	6,163.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0043		Compressor For Steam Fired Hot Water Heaters *(22 35 23 13)* Note: Includes regulator and filter.		
22 35 23 13-0044	EA	1/2 HP, 2 Gallon Tank, 125 PSI, 115 Volt, Air Compressor	1,952.94	479.96

22 40 Plumbing Fixtures *(22)*

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 26 Residential Disposers *(22 41)*

22 41 26 00-0001		Disposals *(22 41 26)*		
22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	318.95	94.78
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	356.45	94.78
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	450.21	94.78
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	543.97	94.78

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001		Residential Kitchen Faucets *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	233.83	72.09
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	266.28	72.09
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	266.28	72.09
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	257.32	72.09
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	274.75	72.09
22 41 39 00-0007		Residential Lavatory Faucets *(22 41 39)*		
22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	208.82	51.90
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	208.82	51.90
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	155.45	51.90
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0011		Residential Bath And Shower Faucets *(22 41 39)*		
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	270.10	62.57
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	314.49	62.57
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	250.76	62.57
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	274.66	62.57
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	300.20	39.14
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	252.66	39.14
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	281.50	39.14
22 41 39 00-0019		Residential Laundry Faucets *(22 41 39)*		
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	181.73	46.02
22 41 39 00-0021		Residential Laundry/Wash Basin Faucets *(22 41 39)*		
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	183.07	46.02
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	256.06	50.72
22 41 39 00-0024		Supply Lines and Shut-off Valves *(22 41 39)* See CSI section 22 42 39 00-0127 for supply lines and shut-off valves.		
22 41 39 00-0025	EA	16" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	22.34	9.78
22 41 39 00-0026	EA	20" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	25.05	9.78
22 41 39 00-0027		Other Residential Faucets *(22 41 39)*		
22 41 39 00-0028	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	50.58	11.74

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001		Vitreous China Water Closets *(22 42 13 13)* Note: With a 2" ball pass.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0002		**Floor Mounted Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	767.73	149.93
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	898.65	149.93
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	1,086.72	149.93
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	936.50	149.93
22 42 13 13-0007	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	821.66	149.93
22 42 13 13-0008		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	883.02	184.53
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	1,085.95	184.53
22 42 13 13-0011	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,329.40	184.53
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	974.29	184.53
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	943.67	184.53
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	1,062.48	184.53
22 42 13 13-0015		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0016	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	749.26	149.93
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	812.31	149.93
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	983.67	149.93
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	958.08	149.93
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	982.34	149.93
22 42 13 13-0021	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,187.86	149.93
22 42 13 13-0022	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	958.31	149.93
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	860.93	149.93
22 42 13 13-0024		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0025	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,745.38	324.36
22 42 13 13-0026	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,497.31	324.36
22 42 13 13-0027		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0028		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0027)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0029	EA	Pipe Grip Adaptor Type, Water Closet Carrier	793.05	76.12
22 42 13 13-0030		**No-Hub, Water Closet Carriers** *(22 42 13 13-0027)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0031	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,231.72	76.12
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*301.63*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0032	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,231.72	76.12
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*301.63*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0033	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,345.80	76.12
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*301.63*	
		For Horizontal No Hub Cast Long Barrel, Add	*310.69*	
		For Carrier For Wide Chase Installations, Add	*408.25*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0034	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,492.02	76.12
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*238.39*	
		For Auxiliary Inlet, Add	*301.63*	
		For Carrier For Wide Chase Installations, Add	*408.25*	
		For Double 4" Branches, Add	*478.36*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0035	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	2,051.65	111.73
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*323.26*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0036	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,109.51	111.73
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*323.26*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0037	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,570.66	111.73
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*249.20*	
		For Auxiliary Inlet, Add	*323.26*	
		For Double 4" Branches, Add	*499.99*	
		For Carrier For Wide Chase Installations, Add	*881.37*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0038	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,419.62	111.73
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*321.50*	
		For Carrier For Wide Chase Installations, Add	*881.37*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0039 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0027)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0040	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,131.21	76.12
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*301.63*	
22 42 13 13-0041	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,231.72	76.12
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*301.63*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0042	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,546.65	76.12
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*238.39*	
		For Auxiliary Inlet, Add	*301.63*	
		For Carrier For Wide Chase Installations, Add	*408.25*	
		For Double 4" Branches, Add	*478.36*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0043	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,879.67	111.73
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*323.26*	
		For Hanger Type Closet Adapter, Add	*459.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0044	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,625.30	111.73
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*249.20*	
		For Auxiliary Inlet, Add	*323.26*	
		For Double 4" Branches, Add	*499.99*	
		For Carrier For Wide Chase Installations, Add	*881.37*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0045		Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers *(22 42 13 13-0027)*		
		Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0046	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	950.52	76.12
		For Positioning Frame, Add	*69.38*	
		For Supply Pipe Support, Add	*70.99*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
22 42 13 13-0047		Institutional Water Closet Carriers *(22 42 13 13-0027)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0048	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,370.88	111.73
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*149.57*	
		For Supply Pipe Support, Add	*152.80*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*323.26*	
22 42 13 13-0049		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0050	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	660.81	
22 42 13 13-0051	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	660.81	
22 42 13 13-0052	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	508.64	
22 42 13 13-0053	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	508.64	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		Vitreous China Urinals *(22 42 13 16)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		Wall Hung Urinals *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	759.56	154.25
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	874.40	154.25
22 42 13 16-0005	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	908.94	154.25
22 42 13 16-0006	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	870.94	154.25
22 42 13 16-0007	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	735.42	154.25
22 42 13 16-0008	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	921.18	154.25
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	845.28	154.25
22 42 13 16-0010		Floor Mounted Urinals *(22 42 13 16-0001)*		
22 42 13 16-0011	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,211.67	194.62
22 42 13 16-0012	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	375.13	36.04
22 42 13 16-0013	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	332.69	36.04
22 42 13 16-0014	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,312.04	194.62
22 42 13 16-0015		Waterfree Urinals *(22 42 13 16-0001)*		
22 42 13 16-0016	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	730.86	108.12
22 42 13 16-0017	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	867.21	108.12
22 42 13 16-0018	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	828.19	108.12
22 42 13 16-0019	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	693.05	108.12
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	693.05	108.12
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	888.40	108.12
22 42 13 16-0022	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,057.30	108.12
22 42 13 16-0023		Stainless Steel Urinals *(22 42 13 16)*		
22 42 13 16-0024	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,790.27	324.36
22 42 13 16-0025	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,554.78	396.45
22 42 13 16-0026		Urinal Carriers *(22 42 13 16)*		
22 42 13 16-0027		Floor Mounted, Urinal Carriers *(22 42 13 16-0026)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0028	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	639.90	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0029	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	753.72	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0030		Wall Mounted, Urinal Carriers *(22 42 13 16-0026)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0031	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	311.84	54.78
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0032		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0033	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	656.74	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		Lavatories *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		Wall Hung Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	641.36	96.58
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	668.17	96.58
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	818.31	96.58
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	592.49	96.58
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	517.59	96.58
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	640.92	96.58
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	746.21	96.58
22 42 16 13-0010		Countertop Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0011	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	643.01	116.77
22 42 16 13-0012	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	677.30	116.77
22 42 16 13-0013	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	713.71	116.77
22 42 16 13-0014	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	923.59	126.14
22 42 16 13-0015		Cultured Marble Vanity Tops *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0016	EA	19" x 17" Cultured Marble Vanity Top With Integrated Backsplash And Sink	367.90	100.91
22 42 16 13-0017	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	419.54	108.12
22 42 16 13-0018	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	480.32	115.33
22 42 16 13-0019	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	588.16	122.54
22 42 16 13-0020	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	821.19	129.74
22 42 16 13-0021	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	453.72	108.12
22 42 16 13-0022	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	489.95	115.33
22 42 16 13-0023	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	645.01	122.54
22 42 16 13-0024	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	706.96	126.14
22 42 16 13-0025	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	797.15	129.74
22 42 16 13-0026	EA	61" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Two Sinks	1,581.40	136.95
22 42 16 13-0027	EA	73" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Two Sinks	1,825.14	144.14
22 42 16 13-0028	EA	19" End Splash For Cultured Marble Vanity Tops	42.84	
22 42 16 13-0029	EA	22" End Splash For Cultured Marble Vanity Tops	44.47	
22 42 16 13-0030		Quartz Vanity Tops *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	827.88	108.12
22 42 16 13-0032	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	866.78	115.33
22 42 16 13-0033	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	997.82	122.54
22 42 16 13-0034	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,006.70	126.14
22 42 16 13-0035	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,098.65	129.74
22 42 16 13-0036	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,467.63	136.95
22 42 16 13-0037	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,731.67	144.14
22 42 16 13-0038	EA	22" End Splash For Quartz Vanity Tops	48.75	
22 42 16 13-0039		Solid Surface Vanity Tops *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0040	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	695.81	108.12
22 42 16 13-0041	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	783.57	115.33
22 42 16 13-0042	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	882.69	122.54
22 42 16 13-0043	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	971.75	126.14
22 42 16 13-0044	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,053.35	129.74
22 42 16 13-0045	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,160.32	133.35
22 42 16 13-0046	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,291.14	136.95
22 42 16 13-0047	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,323.21	136.95
22 42 16 13-0048	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,429.83	144.14
22 42 16 13-0049	EA	22" End Splash For Solid Surface Vanity Tops	71.26	
22 42 16 13-0050		Stainless Steel Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0051	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,592.94	252.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0052		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)* Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0053	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	7,154.51	205.52
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0054	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,465.05	205.52
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0055	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	498.79	68.51
22 42 16 13-0056	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	613.17	68.51
22 42 16 13-0057	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,195.74	68.51
22 42 16 13-0058		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0059		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0058)*		
22 42 16 13-0060		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0059)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0061	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	639.90	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*119.55*	
		For Corner Carrier, Add	*232.70*	
22 42 16 13-0062	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	753.72	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*119.55*	
22 42 16 13-0063	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	861.38	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*239.11*	
22 42 16 13-0064	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	985.11	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*239.11*	
22 42 16 13-0065		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0059)* Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0066	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	820.51	64.88
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*122.44*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0067	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,185.87	64.88
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*122.44*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0068	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,085.03	64.88
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*244.87*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	
22 42 16 13-0069	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,749.87	64.88
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*244.87*	
		For Heavy-Duty Carrier, Add	*234.59*	
22 42 16 13-0070		**Wall Mounted, Lavatory Carriers** *(22 42 16 13-0058)*		
22 42 16 13-0071		**Wall Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0070)* Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0072	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	311.84	54.78
		For Double Plate Carrier, Add	*92.56*	
22 42 16 13-0073		**Wall Mounted Plate Type, Lavatory Carriers With Arms** *(22 42 16 13-0070)* Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0074	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	515.82	64.88
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0075	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	605.81	64.88
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0076	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	883.79	64.88
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 13-0077		**Removal And Reinstallation Of Lavatory And Trim** *(22 42 16 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0078	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	424.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		Sinks *(22 42 16 16)* Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002		Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	823.68	135.51
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	1,053.03	154.25
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	1,073.98	132.63
		For 18 Gauge, Add	*266.69*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	1,101.18	132.63
		For 18 Gauge, Add	*280.29*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,162.38	132.63
		For 18 Gauge, Add	*310.89*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,220.47	135.51
		For 18 Gauge, Add	*331.29*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,542.98	154.25
		For 18 Gauge, Add	*465.02*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,578.08	154.25
		For 18 Gauge, Add	*482.31*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,514.85	132.63
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,545.45	132.63
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,622.52	132.63
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,729.34	135.51
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	2,097.19	154.25
22 42 16 16-0016		Undermount Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0017	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,363.05	132.63
22 42 16 16-0018	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,348.25	132.63
22 42 16 16-0019	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,374.38	132.63
22 42 16 16-0020	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,451.45	132.63
22 42 16 16-0021		Multi-Station Wash Sink, Wall Mounted *(22 42 16 16-0001)* Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0022	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,105.99	234.26
22 42 16 16-0023	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,738.05	252.29
22 42 16 16-0024	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	3,124.00	270.31
22 42 16 16-0025	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,803.90	180.20
22 42 16 16-0026	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,118.56	198.22
22 42 16 16-0027	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,427.10	216.25
22 42 16 16-0028	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,811.29	243.28
22 42 16 16-0029	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,710.59	396.45
22 42 16 16-0030		Utility Or Laundry Sinks *(22 42 16 16-0001)*		
22 42 16 16-0031	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	781.88	154.25
22 42 16 16-0032	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	877.67	154.25
22 42 16 16-0033	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	779.78	154.25
22 42 16 16-0034	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,118.34	154.25
22 42 16 16-0035	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,537.76	172.99
22 42 16 16-0036		Refinish Sink/Lavatory *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	Refinish Sink/Lavatory	322.57	
22 42 16 16-0038		Service Sinks *(22 42 16 16-0001)*		
22 42 16 16-0039	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,198.83	232.10
22 42 16 16-0040	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,251.08	232.10
22 42 16 16-0041	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,478.95	307.06
22 42 16 16-0042	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	634.98	216.25
22 42 16 16-0043	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	718.40	216.25
22 42 16 16-0044	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	809.58	259.50
22 42 16 16-0045		Stainless Steel Sink And Drainboard *(22 42 16 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0046	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,566.86	360.41

22 42 16 16-0047 Sink Carriers *(22 42 16 16)*

22 42 16 16-0048 Floor Mounted, Sink Carriers *(22 42 16 16-0047)*

Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.

22 42 16 16-0049	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	921.77	54.78
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*119.55*	
22 42 16 16-0050	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,557.13	54.78
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*272.22*	
22 42 16 16-0051	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,949.22	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	

22 42 16 16-0052 Removal And Reinstallation Of Sink And Trim *(22 42 16 16)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 16-0053	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	581.30	

22 42 19 Commercial Bathtubs *(22 42)*

22 42 19 00-0001 Recessed Alcove Bathtubs *(22 42 19)*

22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	2,481.52	400.77
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,818.00	400.77
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,849.90	400.77
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,806.74	400.77

22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	889.04	400.77
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	1,050.49	400.77

22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,460.76	400.77

22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,487.37	400.77
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,765.86	400.77
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,792.38	400.77
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,772.31	400.77
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,805.64	400.77

22 42 19 00-0018 Bathtub Refinishing *(22 42 19)*

22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	787.99	

22 42 19 00-0020 Tub And Shower Combinations *(22 42 19)*

22 42 19 00-0021 Acrylic Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH)	1,033.50	147.97
		For 2 Piece Enclosure, Deduct	*-236.39*	

22 42 19 00-0023 Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	1,230.69	147.97
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	1,214.42	147.97
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,787.83	223.33

22 42 23 Commercial Showers *(22 42)*

22 42 23 00-0001 Shower Enclosures *(22 42 23)*

Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.

22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*

22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,750.35	232.52
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,893.16	232.52
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,807.16	232.52
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	3,078.50	232.52

22 42 23 00-0007 Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*

22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,791.45	232.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	3,049.94	232.52
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,335.25	232.52
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,835.09	232.52
22 42 23 00-0012		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0013		Acrylic Shower Receptors *(22 42 23 00-0012)*		
22 42 23 00-0014	EA	36" x 36" Acrylic Shower Receptor	684.34	58.71
22 42 23 00-0015	EA	42" x 42" Acrylic Shower Receptor	725.09	58.71
22 42 23 00-0016	EA	48" x 48" Acrylic Shower Receptor	806.47	58.71
22 42 23 00-0017	EA	60" x 60" Acrylic Shower Receptor	981.27	70.44
22 42 23 00-0018	EA	48" x 32" Acrylic Shower Receptor	686.26	58.71
22 42 23 00-0019	EA	48" x 36" Acrylic Shower Receptor	739.85	58.71
22 42 23 00-0020	EA	48" x 42" Acrylic Shower Receptor	839.56	58.71
22 42 23 00-0021	EA	60" x 30" Acrylic Shower Receptor	1,209.71	139.54
22 42 23 00-0022	EA	60" x 32" Acrylic Shower Receptor	930.55	70.44
22 42 23 00-0023	EA	60" x 36" Acrylic Shower Receptor	937.45	70.44
22 42 23 00-0024	EA	60" x 42" Acrylic Shower Receptor	943.78	70.44
22 42 23 00-0025	EA	60" x 48" Acrylic Shower Receptor	1,042.85	70.44
22 42 23 00-0026	EA	36" x 36" Acrylic Corner Shower Receptor	1,011.00	58.71
22 42 23 00-0027	EA	42" x 42" Acrylic Corner Shower Receptor	1,164.81	58.71
22 42 23 00-0028	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,749.70	132.57
22 42 23 00-0029		Molded Stone Shower Receptors *(22 42 23 00-0012)*		
22 42 23 00-0030	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	358.77	58.71
22 42 23 00-0031	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	373.67	58.71
22 42 23 00-0032	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	375.33	58.71
22 42 23 00-0033	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	449.00	58.71
22 42 23 00-0034	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	404.30	58.71
22 42 23 00-0035	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	425.00	58.71
22 42 23 00-0036	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	427.48	58.71
22 42 23 00-0037	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	497.24	70.44
22 42 23 00-0038	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	512.97	70.44
22 42 23 00-0039	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	408.44	58.71
22 42 23 00-0040	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	417.55	58.71
22 42 23 00-0041		Precast Terrazzo Shower Receptors *(22 42 23 00-0012)*		
22 42 23 00-0042	EA	30" x 30" Precast Terrazzo Shower Receptor	628.64	58.71
22 42 23 00-0043	EA	32" x 32" Precast Terrazzo Shower Receptor	650.99	58.71
22 42 23 00-0044	EA	34" x 34" Precast Terrazzo Shower Receptor	671.69	58.71
22 42 23 00-0045	EA	36" x 36" Precast Terrazzo Shower Receptor	674.17	58.71
22 42 23 00-0046	EA	40" x 40" Precast Terrazzo Shower Receptor	732.95	58.71
22 42 23 00-0047	EA	42" x 42" Precast Terrazzo Shower Receptor	762.75	58.71
22 42 23 00-0048	EA	48" x 48" Precast Terrazzo Shower Receptor	1,050.83	58.71
22 42 23 00-0049	EA	36" x 32" Precast Terrazzo Shower Receptor	666.72	58.71
22 42 23 00-0050	EA	42" x 32" Precast Terrazzo Shower Receptor	678.59	58.71
22 42 23 00-0051	EA	42" x 34" Precast Terrazzo Shower Receptor	699.83	58.71
22 42 23 00-0052	EA	42" x 36" Precast Terrazzo Shower Receptor	726.32	58.71
22 42 23 00-0053	EA	32" x 48" Precast Terrazzo Shower Receptor	728.81	58.71
22 42 23 00-0054	EA	48" x 34" Precast Terrazzo Shower Receptor	762.75	58.71
22 42 23 00-0055	EA	54" x 32" Precast Terrazzo Shower Receptor	796.69	58.71
22 42 23 00-0056	EA	60" x 30" Precast Terrazzo Shower Receptor	1,068.96	70.44
22 42 23 00-0057	EA	60" x 32" Precast Terrazzo Shower Receptor	1,162.89	70.44
22 42 23 00-0058	EA	60" x 34" Precast Terrazzo Shower Receptor	1,167.50	70.44
22 42 23 00-0059	EA	60" x 36" Precast Terrazzo Shower Receptor	1,172.08	70.44
22 42 23 00-0060	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	677.48	58.71
22 42 23 00-0061	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	678.59	58.71
22 42 23 00-0062	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	680.79	58.71
22 42 23 00-0063	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	805.79	58.71
22 42 23 00-0064	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,422.52	58.71
22 42 23 00-0065	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,588.31	70.44
22 42 23 00-0066	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,652.88	70.44
22 42 23 00-0067		Shower Receptors Accessories *(22 42 23 00-0012)*		
22 42 23 00-0068	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.80	
22 42 23 00-0069		Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0070	EA	Removal And Reinstallation Of Shower Head	70.44	

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,928.58	239.78
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,147.81	239.78
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,707.35	239.78
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,628.90	274.03
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,935.98	274.03
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,416.28	274.03
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,659.49	205.52
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,683.08	205.52
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,631.18	205.52
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,615.81	239.78
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,640.70	239.78
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,882.50	239.78
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	250.40	72.09
22 42 39 00-0003	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	277.85	72.09
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	234.69	72.09
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	255.65	72.09
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	326.26	72.09
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	237.65	72.09
22 42 39 00-0008	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	229.72	72.09
22 42 39 00-0009	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	268.49	72.09
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	448.10	72.09
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	489.74	72.09
22 42 39 00-0012	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	464.09	78.27
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0013	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	462.06	78.27
22 42 39 00-0014	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	350.02	78.27
22 42 39 00-0015	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	780.41	72.09
22 42 39 00-0016	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	982.48	72.09
22 42 39 00-0017	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,049.84	72.09
22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	780.41	72.09
22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	982.48	72.09
22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,049.84	72.09

22 42 39 00-0021 Lavatory Faucets *(22 42 39)*

22 42 39 00-0022	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	271.73	51.90
22 42 39 00-0023	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	295.20	51.90
22 42 39 00-0024	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	355.81	51.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0025	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	424.06	51.90
22 42 39 00-0026	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	261.61	51.90
22 42 39 00-0027	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	382.78	51.90
22 42 39 00-0028	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	284.12	51.90
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0029	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	290.02	51.90
22 42 39 00-0030	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	344.08	51.90
22 42 39 00-0031	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	337.69	51.90

22 42 39 00-0032 Bath And Shower Faucets *(22 42 39)*

22 42 39 00-0033 Bath And Shower Faucets With Valve Body *(22 42 39 00-0032)*

22 42 39 00-0034	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	276.93	62.57
22 42 39 00-0035	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	321.32	62.57
22 42 39 00-0036	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	349.77	62.57
22 42 39 00-0037	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	257.59	62.57
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0038	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	268.97	62.57
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0039	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	301.97	62.57
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0040	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	339.53	62.57
		For Faucet With Metal Cross Handles, Add	*45.75*	

22 42 39 00-0041 Shower Valves And Trim *(22 42 39)*

See CSI section 22 41 39 00-0011 for residential shower valves and heads.

22 42 39 00-0042	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	460.52	97.31
22 42 39 00-0043	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	981.42	97.31
22 42 39 00-0044	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	694.47	97.31
22 42 39 00-0045	EA	Senior Institutional Shower Head (Symmons® 4-150)	269.82	62.57
22 42 39 00-0046	EA	Universal Institutional Shower Head (Symmons® 4-151)	439.28	62.57
22 42 39 00-0047	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	314.43	62.57
22 42 39 00-0048	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	241.37	62.57
22 42 39 00-0049	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	977.08	93.70
22 42 39 00-0050	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	813.06	108.12
22 42 39 00-0051	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,060.37	108.12
22 42 39 00-0052	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,479.61	115.33
22 42 39 00-0053	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,345.18	97.31
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0054	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,592.14	97.31
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0055	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,096.22	97.31
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0056	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,635.56	97.31
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0057	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,751.82	97.31
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0058	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	3,199.87	97.31
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0059	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	2,800.00	97.31
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,424.37	97.31
22 42 39 00-0061	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,166.20	97.31
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,422.51	97.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0063	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,418.41	97.31
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	

22 42 39 00-0064 Service Sink Faucets *(22 42 39)*

22 42 39 00-0065	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	592.65	120.01
22 42 39 00-0066	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	464.72	120.01
22 42 39 00-0067	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	480.66	120.01
22 42 39 00-0068	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	631.28	168.24
22 42 39 00-0069	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	708.28	191.74
22 42 39 00-0070	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	808.43	191.74
22 42 39 00-0071	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	959.57	191.74

22 42 39 00-0072 Laboratory Faucets And Fittings *(22 42 39)*

22 42 39 00-0073	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	241.21	51.03
22 42 39 00-0074	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	391.41	72.09
22 42 39 00-0075	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	500.93	72.09
22 42 39 00-0076	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	314.90	67.33
22 42 39 00-0077	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	429.31	96.01
22 42 39 00-0078	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	572.10	96.01
22 42 39 00-0079	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	456.23	72.09
22 42 39 00-0080	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	455.26	96.01
22 42 39 00-0081	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	295.91	55.42
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0082	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	416.99	78.27
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0083	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	326.50	78.27
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0084	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	393.66	78.27
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0085	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	110.79	48.15
22 42 39 00-0086	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	627.85	86.50
22 42 39 00-0087	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	800.36	86.50
22 42 39 00-0088	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	957.53	86.50
22 42 39 00-0089	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	849.60	86.50
22 42 39 00-0090	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	1,006.98	86.50

22 42 39 00-0091 Gooseneck Faucets With Independent Eyewash *(22 42 39)*

22 42 39 00-0092	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	959.45	54.06
22 42 39 00-0093	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,037.15	50.46
22 42 39 00-0094	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,334.86	54.06
22 42 39 00-0095	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,408.76	54.06
22 42 39 00-0096	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,700.57	36.04
22 42 39 00-0097	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,066.66	90.10
22 42 39 00-0098	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,872.84	90.10
22 42 39 00-0099	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,966.89	90.10

22 42 39 00-0100 Bubblers And Glass Fillers *(22 42 39)*

22 42 39 00-0101	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	414.20	51.03
22 42 39 00-0102	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	375.48	67.33
22 42 39 00-0103	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	408.75	51.03
22 42 39 00-0104	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	264.61	73.10
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0105	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	483.58	55.42
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0106	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	489.84	55.42
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0107	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	410.74	55.42
		For Faucet With Temperature Control, Add	*40.00*	

22 42 39 00-0108 Automatic Electronic Sensor Faucets *(22 42 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0109	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	765.18	120.24
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0110	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	772.01	120.24
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0111	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	1,026.06	130.56
22 42 39 00-0112	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,064.77	120.24
22 42 39 00-0113	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,566.81	130.56
22 42 39 00-0114	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,951.60	130.56
22 42 39 00-0115	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,825.42	130.56
22 42 39 00-0116	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,282.88	120.24
22 42 39 00-0117	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,113.25	120.24
22 42 39 00-0118	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,174.10	120.24
22 42 39 00-0119	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	1,021.97	120.24
22 42 39 00-0120	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,174.10	120.24
22 42 39 00-0121	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	1,030.44	120.24
22 42 39 00-0122	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	1,030.44	120.24
22 42 39 00-0123	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,155.55	120.24
22 42 39 00-0124	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	985.63	120.24
22 42 39 00-0125	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	947.24	120.24
22 42 39 00-0126	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,528.84	120.24

22 42 39 00-0127 Supply Lines and Shut-off Valves *(22 42 39)*

22 42 39 00-0128	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036-0000LF)	56.13	15.13
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037-0000LF)	56.13	15.13
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0130	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558LF)	48.07	15.13
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0131	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	46.23	16.64
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0132	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	26.49	9.78
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0133	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	26.86	9.78
		For Faucet With Temperature Control, Add	*40.00*	

22 42 39 00-0134 Other Trim *(22 42 39)*

22 42 39 00-0135	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	24.12	7.83
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0136	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	151.64	23.48
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0137	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	64.46	19.57
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0138	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	134.85	19.57
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0139	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	83.22	21.63
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0140	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	102.88	21.63
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0141	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	330.48	21.63
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0142	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	372.40	21.63
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0143	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	301.08	21.63
		For Faucet With Temperature Control, Add	*40.00*	

22 42 39 00-0144 Removal And Reinstallation Of Fixtures And Trim *(22 42 39)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 39 00-0145	EA	Removal And Reinstallation Of Faucet	125.24	

22 42 43 Flushometers *(22 42)*

22 42 43 00-0001 Water Closet Flush Valves *(22 42 43)*

22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115)	290.21	49.16
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	282.11	49.16
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	278.01	49.16
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	436.78	49.16
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	534.59	49.16
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	894.34	49.16
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	802.90	49.16
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	844.16	49.16
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	771.71	49.16
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	380.23	49.16
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	752.00	49.16
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	317.89	49.16
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	490.23	49.16
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	366.60	43.25
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	447.28	43.25
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	756.31	49.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	825.61	49.16
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,074.50	49.16
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,074.50	49.16
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	766.58	49.16
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	740.50	49.16
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	405.94	43.25
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	125.31	8.01
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	822.47	49.16

22 42 43 00-0026 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0027	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	228.05	49.16
22 42 43 00-0028	EA	1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	520.43	49.16
22 42 43 00-0029	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	365.96	49.16
22 42 43 00-0030	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	548.28	49.16
22 42 43 00-0031	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	721.64	49.16
22 42 43 00-0032	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	960.25	49.16
22 42 43 00-0033	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,073.96	49.16
22 42 43 00-0034	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	694.51	49.16
22 42 43 00-0035	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	860.26	49.16
22 42 43 00-0036	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	719.61	49.16

22 42 43 00-0037 Removal And Reinstallation Of Fixtures And Trim *(22 42 43)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0038	EA	Removal And Reinstallation Of Flush Valve	195.69	

22 42 43 00-0039 Plumbing Control Transformers *(22 42 43)*

22 42 43 00-0040	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	65.57	

22 42 49 Composting Toilets *(22 42)*

22 42 49 00-0001 Composting Toilets *(22 42 49)*

22 42 49 00-0002	EA	Composting Toilet (Sun-Mar Excel)	2,945.36	702.80
		For Extra Urinal, Add	*228.94*	
22 42 49 00-0003	EA	Composting Toilet (Sun-Mar Excel AC/DC)	3,145.48	702.80
		For Extra Urinal, Add	*248.95*	
22 42 49 00-0004	EA	Composting Toilet (Sun-Mar Excel NE)	2,776.09	594.67
		For Extra Urinal, Add	*222.10*	
22 42 49 00-0005	EA	Composting Toilet System (Clivus Multrum M-1)	3,897.81	864.97
		For Extra Urinal, Add	*309.05*	
22 42 49 00-0006	EA	Composting Toilet System (Clivus Multrum M-2)	4,591.87	973.10
		For Extra Urinal, Add	*368.37*	
22 42 49 00-0007	EA	Composting Toilet System (Clivus Multrum M-3)	6,936.13	1,081.22
		For Extra Urinal, Add	*592.70*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	963.30	149.93
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	806.54	149.93

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,260.37	96.58
		For Stainless Steel Rim Guards (Three Sides), Add	*106.51*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,401.45	277.51
		For Stainless Steel Rim Guards (Three Sides), Add	*106.51*	
		For Pedestal Base, Add	*488.36*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,213.48	96.58
		For Painted Bracket Supports, Add	*183.14*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,072.80	96.58

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	111.16	21.63
22 43 39 00-0003		**Centerset Medical Faucets** *(22 43 39)*		
22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	652.95	105.82
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	660.06	105.82
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	659.34	105.82
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	591.78	105.82
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	567.59	105.82
22 43 39 00-0009		**Electronic Proximity Medical Faucets** *(22 43 39)*		
22 43 39 00-0010	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	609.03	105.82
		For Hard Wired AC Powered, Add	*24.26*	
22 43 39 00-0011		**Bedpan Washers** *(22 43 39)*		
22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,534.19	192.31
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,459.72	192.31
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,437.66	192.31
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,416.21	192.31
22 43 39 00-0016		**Foot And Knee Faucet Controls** *(22 43 39)*		
22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	512.11	192.31
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	590.64	192.31
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,195.93	192.31
22 43 39 00-0020	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	738.08	192.31
22 43 43		**Healthcare Plumbing Fixture Flushometers** *(22 43)*		
22 43 43 00-0001		**Healthcare Plumbing Fixture Flushometers** *(22 43 43)*		
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	256.17	49.16
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	529.81	49.16
22 43 46		**Healthcare Patient Care Units** *(22 43)*		
22 43 46 00-0001		**Patient Care Units** *(22 43 46)*		
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,652.71	288.32
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,198.85*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,291.32	252.29
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,198.85*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	
22 43 46 00-0004		**Patient Care Plumbing Accessories** *(22 43 46)*		
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,962.84	39.14
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,160.94	39.14
22 45		**Emergency Plumbing Fixtures** *(22 40)*		
22 45 13		**Emergency Showers** *(22 45)*		
22 45 13 00-0001		**Emergency Drench Showers** *(22 45 13)*		
22 45 13 00-0002		**Emergency Drench Showers (Haws)** *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	864.64	252.29
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	976.39	252.29
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	1,038.47	252.29
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,224.71	252.29
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,609.62	252.29
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,309.21	288.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,437.16	324.36
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,319.21	324.36
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,344.04	324.36
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,809.65	324.36
22 45 13 00-0013		Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	763.62	252.29
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	782.97	252.29
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,179.67	288.32
22 45 16		**Eyewash Equipment** *(22 45)*		
22 45 16 00-0001		Emergency Eyewash Equipment *(22 45 16)*		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	337.24	7.21
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,710.32	324.36
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	352.12	21.63
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,816.22	21.63
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	
22 45 26		**Eye/Face Wash Equipment** *(22 45)*		
22 45 26 00-0001		Emergency Eye/Face Wash Equipment *(22 45 26)*		
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*		
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	900.52	180.20
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	932.93	252.29
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	914.31	252.29
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	987.56	252.29
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	995.01	252.29
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	1,083.17	252.29
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,435.79	252.29
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,615.33	252.29
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,135.38	288.32
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,278.17	288.32
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,718.45	288.32
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	721.52	72.09
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	696.68	72.09
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	727.72	72.09
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	907.76	72.09
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,285.26	360.41
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,706.04	288.32
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,806.74	360.41
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,239.94	288.32
22 45 26 00-0022		Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*		
22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	844.24	252.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	1,024.89	288.32

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	776.18	90.10
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	887.93	90.10

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,568.81	468.52
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	3,153.36	468.52
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,253.18	468.52
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,476.18	468.52
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,600.84	468.52
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,458.05	468.52
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	2,129.02	468.52
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,364.44	468.52
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,668.64	468.52
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,736.92	468.52
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	4,152.87	468.52
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,394.99	468.52
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,326.70	468.52
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,375.38	468.52
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,710.62	468.52
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,974.12	468.52
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	2,129.02	468.52
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,383.55	468.52

22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*

22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,982.82	468.52

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	819.64	90.10
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,185.92	90.10
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,726.02	90.10
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	2,030.22	90.10
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,862.11	90.10
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	3,017.31	90.10
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,047.37	90.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,059.29	90.10
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	912.76	90.10

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	212.87	28.83
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	293.58	28.83
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	305.99	28.83
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	332.04	10.81
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	337.24	7.21
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	370.28	14.42
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	681.86	108.12
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	679.72	48.08
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	1,002.55	48.08
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,185.92	108.12
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,213.13	48.08
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,493.39	160.27
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,543.06	160.27
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,666.24	160.27
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,825.68	160.27

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,188.46	108.13

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Replacement Blowout Toilets *(22 46 13 13)*

22 46 13 13-0002	EA	Wall Mount Toilet For Replacement, Stainless Steel (Acorn 3330/3331)	2,978.23	302.74
22 46 13 13-0003	EA	Floor Mounted Toilet For Replacement, Stainless Steel (Acorn 3334/3335)	3,523.48	288.32

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Replacement Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Wall Mounted Straddle Urinal For Replacement, Stainless Steel (Acorn 3349)	4,138.96	360.41

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Replacement Combination Units *(22 46 13 19)*
Note: Includes hot and cold valve, bubbler, flush valve, paper holder, and mounting hardware.

22 46 13 19-0002	EA	18" Lav-Toilet Comby Replacement Unit, Stainless Steel (Acorn 3318)	5,094.82	439.70
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	
22 46 13 19-0003	EA	Angled ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1432)	6,668.81	439.70
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	
22 46 13 19-0004	EA	Flat Wall ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1435)	8,703.84	439.70
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Replacement Lavatories *(22 46 16 13)*
Note: Includes hot and cold valve, bubbler, and mounting hardware.

22 46 16 13-0002	EA	15" Lavatory For Replacement, Stainless Steel (Acorn 3325)	1,748.07	216.25
		For PWT Electronic H And C valve, Add	*150.00*	
22 46 16 13-0003	EA	18" Lavatory For Replacement, Stainless Steel (Acorn 3326)	1,863.96	216.25
		For PWT Electronic H And C valve, Add	*150.00*	
22 46 16 13-0004	EA	18" ADA Front Access Lavatory , Stainless Steel (Acorn 1652-ADA-BP-4M-FA)	1,991.80	216.25
		For PWT Electronic H And C valve, Add	*150.00*	

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001 Replacement Or New Shower Units *(22 46 19)*
Note: Includes single temp air control valve, soap dish, anchor plate, towel hook, and mounting hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	9,843.90	576.65
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	10,184.54	576.65
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	10,535.12	576.65
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	13,280.11	576.65
22 46 19 00-0006		Wall Mounted Security Shower *(22 46 19)*		
		Note: Includes single temp air control valve, and mounting hardware.		
22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,059.25	151.37
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,256.53	151.37
		For PWT Electronic FV, Add	*148.00*	

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001		Security Drinking Fountain *(22 46 56)*		
		Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,119.99	288.32
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,133.59	288.32

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001		Indoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,601.83	234.26
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,795.56	252.29
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,433.99	234.26
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	4,095.26	252.29
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,738.24	234.26
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	2,080.51	252.29
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,968.46	234.26
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,391.69	252.29
22 47 13 00-0011		Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,788.73	252.29
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,753.05	252.29
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,489.32	324.36
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,729.56	324.36
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,227.84	324.36
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,951.34	324.36
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,274.81	252.29
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,167.30	252.29
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	3,035.90	252.29
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	2,916.44	252.29
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,665.57	252.29
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,558.06	252.29
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,438.60	252.29
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,438.60	252.29
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,331.09	252.29
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,331.09	252.29
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,283.31	252.29
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,283.31	252.29
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,175.79	252.29
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,116.07	252.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	2,032.44	252.29
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,996.61	252.29
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,877.15	252.29
22 47 13 00-0035	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,116.07	252.29
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,877.15	252.29
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,982.44	252.29
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,984.66	252.29
22 47 13 00-0039	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,625.48	180.20
22 47 13 00-0040	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,243.21	180.20
22 47 13 00-0041		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0042	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,407.46	270.31
22 47 13 00-0043	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,186.07	270.31
22 47 13 00-0044		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,575.13	288.32
22 47 13 00-0046	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,706.84	288.32
22 47 13 00-0047		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	1,065.09	180.20
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	1,024.96	180.20
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,244.88	180.20
22 47 13 00-0051		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	898.15	180.20
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,084.57	180.20
22 47 13 00-0054		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,891.43	288.32
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,156.27	288.32
22 47 13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,664.93	288.32
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,931.52	288.32
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,955.64	288.32
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,309.50	367.80
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,711.21	288.32
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,612.28	288.32
22 47 13 00-0063		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0064		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,245.80	288.32
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,463.77	288.32
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,369.13	288.32
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,484.76	288.32
22 47 13 00-0069		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0070	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,283.27	270.31
22 47 13 00-0071	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	6,022.69	270.31
22 47 13 00-0072	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,277.49	270.31
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,911.59	270.31
22 47 13 00-0074	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,372.80	288.32
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,488.95	288.32
22 47 13 00-0076	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,401.89	270.31
22 47 13 00-0077	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,157.08	270.31
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,896.50	270.31
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,942.09	288.32
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,749.83	288.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,914.44	288.32
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,248.56	288.32
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,326.11	288.32
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,412.15	288.32
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,681.73	288.32
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,784.98	288.32
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	2,056.52	288.32
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,386.33	288.32
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,871.53	288.32
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	3,142.13	432.49
22 47 16 00-0014		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0015	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,778.99	288.32
22 47 16 00-0016		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0017	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,419.53	324.36
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,626.45	324.36
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,761.33	324.36
22 47 16 00-0020		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0021	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,243.98	252.29
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,411.75	252.29
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,740.14	252.29
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	3,051.31	252.29
22 47 16 00-0025		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0026	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	772.02	144.16
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	926.12	144.16
22 47 16 00-0028		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0029	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,485.13	432.49
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,451.22	432.49
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,410.29	432.49
22 47 16 00-0032		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0033		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0032)*		
22 47 16 00-0034	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,423.10	180.20
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,180.54	180.20
22 47 16 00-0036		Free Standing Outdoor Water Coolers *(22 47 16 00-0032)*		
22 47 16 00-0037	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	4,000.78	270.31
22 47 16 00-0038	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,803.81	270.31
22 47 16 00-0039		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0040	EA	Removal And Reinstallation Of Wall Hung Water Cooler	699.07	
22 47 16 00-0041	EA	Removal And Reinstallation Of Floor Mount Water Cooler	156.55	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,396.29	97.31
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,126.30	108.12
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,823.92	126.14
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,348.95	144.16
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,680.47	216.25
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,990.35	234.26

22 47 26 Fixture Carriers *(22 47)*

22 47 26 00-0001 Water Cooler Carriers *(22 47 26)*

22 47 26 00-0002 Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	639.90	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*384.40*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	753.72	54.78
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*384.40*	

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2218 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	17.29	8.22
		For Schedule 80, Add	*2.56*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.19*	
		For Work In Restricted Working Space, Add	*3.71*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	20.58	9.22
		For Schedule 80, Add	*3.46*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.96*	
		For Work In Restricted Working Space, Add	*4.18*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	32.17	13.41
		For Schedule 80, Add	*6.25*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.34*	
		For Work In Restricted Working Space, Add	*6.05*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	43.26	17.44
		For Schedule 80, Add	*8.87*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.59*	
		For Work In Restricted Working Space, Add	*7.86*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	69.17	25.66
		For Schedule 80, Add	*15.98*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.67*	
		For Work In Restricted Working Space, Add	*11.53*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	66.35	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	85.99	40.94
		For Work In Restricted Working Space, Add	*18.41*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	112.15	46.85
		For Work In Restricted Working Space, Add	*21.10*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	159.59	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	300.94	91.54
		For Work In Restricted Working Space, Add	*41.19*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	66.01	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	85.09	40.94
		For Work In Restricted Working Space, Add	*18.41*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	113.86	46.85
		For Work In Restricted Working Space, Add	*21.10*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	142.39	61.99
		For Work In Restricted Working Space, Add	*27.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	274.27	91.54
		For Work In Restricted Working Space, Add	*41.19*	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	124.07	66.32
		For Work In Restricted Working Space, Add	*29.83*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	154.88	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	196.36	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	268.63	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	464.19	192.31
		For Work In Restricted Working Space, Add	*86.50*	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	154.84	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	192.23	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	188.57	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	259.23	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	262.78	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	438.02	192.31
		For Work In Restricted Working Space, Add	*86.50*	

22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug *(22 66 53 00-0002)*

22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	136.10	66.32
		For Work In Restricted Working Space, Add	*29.83*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	157.79	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	205.26	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	272.74	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	413.44	192.31
		For Work In Restricted Working Space, Add	*86.50*	

22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes *(22 66 53 00-0002)*

22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	130.82	66.32
		For Work In Restricted Working Space, Add	*29.83*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	161.13	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	200.08	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	271.72	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	520.66	192.31
		For Work In Restricted Working Space, Add	*86.50*	

22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*

22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	169.40	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	195.84	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	195.84	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	268.06	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	268.06	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	472.02	192.31
		For Work In Restricted Working Space, Add	*86.50*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	474.87	192.31
		For Work In Restricted Working Space, Add	*86.50*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	439.22	192.31
		For Work In Restricted Working Space, Add	*86.50*	

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	162.90	82.89
		For Work In Restricted Working Space, Add	*37.28*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	202.97	104.52
		For Work In Restricted Working Space, Add	*47.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	264.20	114.47
		For Work In Restricted Working Space, Add	*51.49*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	363.89	150.22
		For Work In Restricted Working Space, Add	*67.58*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	636.11	240.32
		For Work In Restricted Working Space, Add	*108.12*	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	121.86	66.32
		For Work In Restricted Working Space, Add	*29.83*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	158.14	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	179.25	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	245.43	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	148.38	83.62
		For Work In Restricted Working Space, Add	*37.61*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	175.32	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	176.90	91.54
		For Work In Restricted Working Space, Add	*41.19*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	239.59	120.24
		For Work In Restricted Working Space, Add	*54.06*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	240.59	120.24
		For Work In Restricted Working Space, Add	*54.06*	

22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	143.47	76.99
		For Work In Restricted Working Space, Add	*34.60*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	190.47	101.20
		For Work In Restricted Working Space, Add	*45.53*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	282.10	137.39
		For Work In Restricted Working Space, Add	*61.78*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	390.11	174.87
		For Work In Restricted Working Space, Add	*78.64*	

22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	65.41	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	81.05	40.94
		For Work In Restricted Working Space, Add	*18.41*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	94.70	46.85
		For Work In Restricted Working Space, Add	*21.10*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	128.14	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	189.92	91.54
		For Work In Restricted Working Space, Add	*41.19*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	63.04	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	82.84	40.94
		For Work In Restricted Working Space, Add	*18.41*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	97.99	46.85
		For Work In Restricted Working Space, Add	*21.10*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	131.37	61.99
		For Work In Restricted Working Space, Add	*27.90*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	60.09	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	77.54	40.94
		For Work In Restricted Working Space, Add	*18.41*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	89.98	46.85
		For Work In Restricted Working Space, Add	*21.10*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	119.00	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	175.08	91.54
		For Work In Restricted Working Space, Add	*41.19*	

22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0094 Glass Acid Resistant DWV Pipe *(22 66 53 00-0093)*

22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	32.74	7.92
		For Work In Restricted Working Space, Add	*4.76*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	40.30	8.65
		For Work In Restricted Working Space, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	55.89	12.11
		For Work In Restricted Working Space, Add	*7.30*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	88.89	15.72
		For Work In Restricted Working Space, Add	*9.44*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	145.88	21.48
		For Work In Restricted Working Space, Add	*12.87*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	106.43	35.32
		For Work In Restricted Working Space, Add	*21.15*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	120.17	37.48
		For Work In Restricted Working Space, Add	*22.45*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	159.76	42.53
		For Work In Restricted Working Space, Add	*25.52*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	231.70	56.23
		For Work In Restricted Working Space, Add	*33.73*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	519.19	77.85
		For Work In Restricted Working Space, Add	*46.71*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	106.72	35.47
		For Work In Restricted Working Space, Add	*21.24*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	119.58	37.05
		For Work In Restricted Working Space, Add	*22.27*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	159.46	42.38
		For Work In Restricted Working Space, Add	*25.43*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	231.71	56.23
		For Work In Restricted Working Space, Add	*33.74*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	519.16	77.85
		For Work In Restricted Working Space, Add	*46.70*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	107.70	35.47
		For Work In Restricted Working Space, Add	*21.24*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	120.76	37.05
		For Work In Restricted Working Space, Add	*22.27*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	161.52	42.38
		For Work In Restricted Working Space, Add	*25.43*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	231.71	56.23
		For Work In Restricted Working Space, Add	*33.74*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	107.70	35.47
		For Work In Restricted Working Space, Add	*21.24*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	120.76	37.05
		For Work In Restricted Working Space, Add	*22.27*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	161.52	42.38
		For Work In Restricted Working Space, Add	*25.43*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	231.71	56.23
		For Work In Restricted Working Space, Add	*33.74*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	121.70	35.47
		For Work In Restricted Working Space, Add	*21.24*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	140.88	37.05
		For Work In Restricted Working Space, Add	*22.27*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	170.39	53.05
		For Work In Restricted Working Space, Add	*31.86*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	207.02	54.93
		For Work In Restricted Working Space, Add	*32.95*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	195.59	55.64
		For Work In Restricted Working Space, Add	*33.41*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	257.72	63.58
		For Work In Restricted Working Space, Add	*38.15*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	412.77	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	625.43	116.77
		For Work In Restricted Working Space, Add	*70.07*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	164.59	53.34
		For Work In Restricted Working Space, Add	*32.00*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	168.91	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	213.24	63.44
		For Work In Restricted Working Space, Add	*38.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	323.66	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	648.76	116.77
		For Work In Restricted Working Space, Add	*70.07*	

22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	167.47	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	196.03	59.83
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	206.86	61.27
		For Work In Restricted Working Space, Add	*36.76*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	264.02	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	274.98	74.97
		For Work In Restricted Working Space, Add	*44.98*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	287.84	77.13
		For Work In Restricted Working Space, Add	*46.28*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	484.62	96.58
		For Work In Restricted Working Space, Add	*57.96*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	519.36	98.75
		For Work In Restricted Working Space, Add	*59.25*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	535.45	105.96
		For Work In Restricted Working Space, Add	*63.58*	

22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	230.13	70.64
		For Work In Restricted Working Space, Add	*42.39*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	237.31	74.24
		For Work In Restricted Working Space, Add	*44.54*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	300.66	85.06
		For Work In Restricted Working Space, Add	*51.03*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	475.07	112.44
		For Work In Restricted Working Space, Add	*67.46*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	821.65	155.69
		For Work In Restricted Working Space, Add	*93.43*	

22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	234.41	72.80
		For Work In Restricted Working Space, Add	*43.67*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	267.10	77.85
		For Work In Restricted Working Space, Add	*46.71*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	280.50	79.29
		For Work In Restricted Working Space, Add	*47.58*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	394.43	91.54
		For Work In Restricted Working Space, Add	*54.93*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	392.45	93.70
		For Work In Restricted Working Space, Add	*56.22*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	420.15	98.75
		For Work In Restricted Working Space, Add	*59.26*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	547.96	115.33
		For Work In Restricted Working Space, Add	*69.18*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	592.94	120.38
		For Work In Restricted Working Space, Add	*72.22*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	670.25	134.07
		For Work In Restricted Working Space, Add	*80.43*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	178.36	53.34
		For Work In Restricted Working Space, Add	*32.01*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	182.66	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	230.32	63.44
		For Work In Restricted Working Space, Add	*38.06*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	350.44	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	680.89	116.77
		For Work In Restricted Working Space, Add	*70.07*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	181.21	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	210.36	59.83
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	215.31	61.27
		For Work In Restricted Working Space, Add	*36.77*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	267.17	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	273.50	74.97
		For Work In Restricted Working Space, Add	*44.98*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	320.07	77.13
		For Work In Restricted Working Space, Add	*46.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	578.24	98.75
		For Work In Restricted Working Space, Add	*59.24*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	604.32	105.96
		For Work In Restricted Working Space, Add	*63.56*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	201.91	53.34
		For Work In Restricted Working Space, Add	*32.01*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	222.61	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	280.67	63.44
		For Work In Restricted Working Space, Add	*38.06*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	465.19	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	680.89	116.77
		For Work In Restricted Working Space, Add	*70.07*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	167.56	53.34
		For Work In Restricted Working Space, Add	*32.01*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	171.86	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	225.02	63.44
		For Work In Restricted Working Space, Add	*38.06*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	336.79	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	639.76	116.77
		For Work In Restricted Working Space, Add	*70.07*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	170.41	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	202.11	59.83
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	207.56	61.27
		For Work In Restricted Working Space, Add	*36.77*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	275.81	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	278.41	74.97
		For Work In Restricted Working Space, Add	*44.98*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	299.46	77.13
		For Work In Restricted Working Space, Add	*46.28*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	471.82	96.58
		For Work In Restricted Working Space, Add	*57.95*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	537.40	98.75
		For Work In Restricted Working Space, Add	*59.24*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	583.11	105.96
		For Work In Restricted Working Space, Add	*63.56*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	259.76	70.64
		For Work In Restricted Working Space, Add	*42.38*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	266.98	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	346.67	85.06
		For Work In Restricted Working Space, Add	*51.02*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	522.06	112.44
		For Work In Restricted Working Space, Add	*67.45*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	847.09	155.69
		For Work In Restricted Working Space, Add	*93.45*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	264.04	72.80
		For Work In Restricted Working Space, Add	*43.67*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	274.16	77.85
		For Work In Restricted Working Space, Add	*46.70*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	309.23	79.29
		For Work In Restricted Working Space, Add	*47.57*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	376.02	91.54
		For Work In Restricted Working Space, Add	*54.94*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	394.83	93.70
		For Work In Restricted Working Space, Add	*56.23*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	456.13	98.75
		For Work In Restricted Working Space, Add	*59.24*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	678.61	115.33
		For Work In Restricted Working Space, Add	*69.17*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	711.82	120.38
		For Work In Restricted Working Space, Add	*72.23*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	764.84	134.07
		For Work In Restricted Working Space, Add	*80.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0217		**Glass Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	183.10	53.34
		For Work In Restricted Working Space, Add	*32.01*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	188.05	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	234.64	63.44
		For Work In Restricted Working Space, Add	*38.06*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	341.80	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	625.72	116.77
		For Work In Restricted Working Space, Add	*70.07*	
22 66 53 00-0223		**Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	186.60	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	204.57	59.83
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	217.37	61.27
		For Work In Restricted Working Space, Add	*36.77*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	269.92	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	279.69	74.97
		For Work In Restricted Working Space, Add	*44.98*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	300.93	77.13
		For Work In Restricted Working Space, Add	*46.28*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	472.70	96.58
		For Work In Restricted Working Space, Add	*57.95*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	528.86	98.75
		For Work In Restricted Working Space, Add	*59.24*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	543.85	105.96
		For Work In Restricted Working Space, Add	*63.56*	
22 66 53 00-0233		**Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	245.03	70.64
		For Work In Restricted Working Space, Add	*42.38*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	279.34	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	365.32	85.06
		For Work In Restricted Working Space, Add	*51.02*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	565.45	112.44
		For Work In Restricted Working Space, Add	*67.45*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	916.34	155.69
		For Work In Restricted Working Space, Add	*93.45*	
22 66 53 00-0239		**Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	251.57	72.80
		For Work In Restricted Working Space, Add	*43.67*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	308.90	77.85
		For Work In Restricted Working Space, Add	*46.70*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	306.09	79.29
		For Work In Restricted Working Space, Add	*47.57*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	400.17	91.54
		For Work In Restricted Working Space, Add	*54.94*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	398.66	93.70
		For Work In Restricted Working Space, Add	*56.23*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	442.48	98.75
		For Work In Restricted Working Space, Add	*59.24*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	615.36	115.33
		For Work In Restricted Working Space, Add	*69.17*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	653.91	120.38
		For Work In Restricted Working Space, Add	*72.23*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	757.97	134.07
		For Work In Restricted Working Space, Add	*80.45*	
22 66 53 00-0249		**Glass Acid Resistant DWV Partition Compact Crosses** *(22 66 53 00-0093)*		
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	271.20	72.80
		For Work In Restricted Working Space, Add	*43.67*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Compact Cross	274.14	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	288.06	72.09
		For Work In Restricted Working Space, Add	*43.25*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	253.35	53.34
		For Work In Restricted Working Space, Add	*32.01*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	276.79	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	318.17	63.44
		For Work In Restricted Working Space, Add	*38.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	460.57	84.33
		For Work In Restricted Working Space, Add	*50.60*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	835.00	116.77
		For Work In Restricted Working Space, Add	*70.07*	

22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*

22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	255.61	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	289.87	59.83
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	306.99	61.27
		For Work In Restricted Working Space, Add	*36.77*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	358.26	74.24
		For Work In Restricted Working Space, Add	*44.55*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	376.67	74.97
		For Work In Restricted Working Space, Add	*44.98*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	410.08	77.13
		For Work In Restricted Working Space, Add	*46.28*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	582.26	98.75
		For Work In Restricted Working Space, Add	*59.24*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	658.70	105.96
		For Work In Restricted Working Space, Add	*63.56*	

22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasers *(22 66 53 00-0093)*

22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	103.50	36.04
		For Eccentric Reducers Or Increasers, Add	*2.51*	
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	124.48	38.93
		For Eccentric Reducers Or Increasers, Add	*3.73*	
		For Work In Restricted Working Space, Add	*23.36*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	131.50	39.64
		For Eccentric Reducers Or Increasers, Add	*4.18*	
		For Work In Restricted Working Space, Add	*23.78*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	165.19	46.13
		For Eccentric Reducers Or Increasers, Add	*5.83*	
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	171.15	46.85
		For Eccentric Reducers Or Increasers, Add	*6.20*	
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	181.76	49.02
		For Eccentric Reducers Or Increasers, Add	*6.70*	
		For Work In Restricted Working Space, Add	*29.41*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	325.90	56.94
		For Eccentric Reducers Or Increasers, Add	*16.96*	
		For Work In Restricted Working Space, Add	*34.16*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	340.80	57.67
		For Eccentric Reducers Or Increasers, Add	*18.04*	
		For Work In Restricted Working Space, Add	*34.60*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	360.53	59.83
		For Eccentric Reducers Or Increasers, Add	*19.27*	
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	381.92	67.03
		For Eccentric Reducers Or Increasers, Add	*19.83*	
		For Work In Restricted Working Space, Add	*40.22*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	217.21	53.34
		For Work In Restricted Working Space, Add	*32.00*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	230.59	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	254.12	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	231.54	53.34
		For Work In Restricted Working Space, Add	*32.00*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	248.85	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	274.74	55.50
		For Work In Restricted Working Space, Add	*33.30*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	235.46	53.34
		For Work In Restricted Working Space, Add	*32.00*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	248.85	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	274.74	55.50
		For Work In Restricted Working Space, Add	*33.30*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	280.03	53.34
		For Work In Restricted Working Space, Add	*32.00*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	342.19	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	351.49	55.50
		For Work In Restricted Working Space, Add	*33.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	303.88	53.34
		For Work In Restricted Working Space, Add	*32.00*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	320.70	54.78
		For Work In Restricted Working Space, Add	*32.87*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	356.10	55.50
		For Work In Restricted Working Space, Add	*33.30*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	50.67	18.02
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	55.93	18.74
		For Work In Restricted Working Space, Add	*11.24*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	68.21	20.90
		For Work In Restricted Working Space, Add	*12.54*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	103.74	28.11
		For Work In Restricted Working Space, Add	*16.87*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	147.25	38.93
		For Work In Restricted Working Space, Add	*23.36*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	560.51	70.64
		For Work In Restricted Working Space, Add	*42.38*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	63.23	18.02
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	68.43	18.02
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	104.29	36.04
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	182.45	37.48
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	184.42	37.48
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	204.05	37.48
		For Work In Restricted Working Space, Add	*22.49*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	171.85	37.48
		For Work In Restricted Working Space, Add	*22.49*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	179.20	53.19
		For Work In Restricted Working Space, Add	*31.91*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	187.27	55.79
		For Work In Restricted Working Space, Add	*33.48*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	247.90	63.58
		For Work In Restricted Working Space, Add	*38.15*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	348.54	84.48
		For Work In Restricted Working Space, Add	*50.64*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	24.64
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.08
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	41.55
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	70.02
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	163.11

22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.

22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.77
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	39.75
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	67.50
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	100.61
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	245.32

22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0328)*

22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	117.51	12.83
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	164.76	16.00
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	223.18	18.45
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	365.77	26.45
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	641.55	35.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,128.72	44.53
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,006.39	59.99
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,561.24	68.78
22 66 53 00-0338		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0328)*		
22 66 53 00-0339		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	487.30	109.28
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	630.10	120.24
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,007.78	143.88
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,492.70	174.73
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,389.97	283.78
22 66 53 00-0345		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	297.67	109.28
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	380.98	120.24
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	476.08	143.88
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,198.96	174.73
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,682.40	283.78
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,048.87	353.56
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,915.47	425.17
22 66 53 00-0353		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	297.67	109.28
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	380.98	120.24
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	476.08	143.88
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	894.07	174.73
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,288.27	283.78
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,324.38	353.56
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,689.03	425.17
22 66 53 00-0361		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	297.67	109.28
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	380.98	120.24
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	475.73	143.73
22 66 53 00-0365		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	394.35	109.28
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	674.72	120.24
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	758.66	143.88
22 66 53 00-0369		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	423.64	163.48
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	524.54	181.21
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	718.58	216.39
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,174.49	262.58
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,468.29	426.02
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,900.46	531.96
22 66 53 00-0376		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	398.59	156.70
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	460.50	168.24
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	510.21	174.14
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	582.06	192.31
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	621.00	198.37
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	677.98	204.28
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	843.25	227.22
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	929.50	233.07
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	1,034.78	243.79
22 66 53 00-0386		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	475.62	163.48
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	568.43	180.78
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	766.85	216.39
22 66 53 00-0390		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	450.60	156.70
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	556.04	175.01
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	666.45	198.95
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	712.35	204.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	420.22	163.77
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	565.44	181.21
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	718.32	216.25
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,180.42	261.61
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,307.95	425.59
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	428.30	156.70
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	460.43	168.24
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	485.70	175.16
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	541.16	192.31
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	561.85	198.65
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	664.02	204.85
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	883.95	227.50
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,037.32	233.07
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,083.12	243.79
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,563.53	343.34
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,762.71	354.69
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,358.69	372.84
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	490.41	163.48
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	579.59	180.78
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	841.22	216.39
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,277.60	261.88
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	413.42	156.70
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	475.30	168.24
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	522.57	175.01
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	567.18	192.31
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	647.86	198.95
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	727.14	204.71
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	932.20	227.50
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,145.26	233.20
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,251.04	244.20
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	258.39	102.94
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	281.88	108.70
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	312.85	114.47
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	484.03	126.86
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	507.57	132.78
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	553.26	145.77
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	707.50	156.91
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,021.79	212.87
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,089.75	230.88
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	680.17	240.32
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	873.52	240.32
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	890.87	240.32
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,026.43	325.09
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	706.67	109.28
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	849.47	120.24
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,033.81	143.88
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,972.54	174.73
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	368.32	109.28
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	459.06	120.24
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	624.81	143.88
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	804.21	174.73
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,533.07	243.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0455		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.73	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	68.17	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	93.06	9.66
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	105.81	10.67
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	145.55	13.41
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	183.13	15.57
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0458)*		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	356.49	76.55
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	386.30	86.50
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	522.28	95.44
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	630.33	115.33
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	211.48	76.55
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	251.10	85.64
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	318.27	95.73
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	413.38	114.47
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	243.96	80.88
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	211.48	76.55
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	251.10	85.64
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	318.27	95.73
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	413.38	114.47
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	244.95	76.55
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	303.15	85.64
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	455.85	95.73
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	513.77	114.47
22 66 53 00-0486		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	237.51	76.55
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	280.85	85.64
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	422.38	95.73
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	480.31	114.47
22 66 53 00-0491		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	358.61	115.19
22 66 53 00-0493		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	299.12	115.19
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	365.56	129.74
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	473.35	144.59
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	701.95	173.14
22 66 53 00-0498		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	343.36	124.84
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	413.74	134.64
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	439.46	139.40
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	472.22	153.82
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	516.02	158.14
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	556.67	162.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	299.70	115.62
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	350.68	129.74
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	458.47	144.59
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	701.95	173.14
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	333.17	125.57
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	402.54	134.50
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	421.50	139.84
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	472.92	154.25
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	517.32	159.01
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	546.11	163.34
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	442.77	153.97
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	557.16	173.29
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	703.84	191.74
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	910.78	230.51
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	486.21	163.04
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	541.49	172.70
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	637.69	182.22
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	704.07	201.83
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	838.40	212.06
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	487.31	153.97
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	571.69	172.99
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	802.16	192.75
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,108.21	230.80
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	523.31	163.04
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	671.58	172.70
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	708.23	182.22
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	759.78	201.69
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	952.54	211.20
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	328.29	114.75
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	380.43	129.74
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	458.47	144.59
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	742.85	173.14
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	362.07	124.99
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	403.10	134.94
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	436.37	139.84
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	580.75	154.25
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	595.41	159.01
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	661.38	163.34
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	513.00	153.68
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	638.49	172.85
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	901.50	192.17
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,082.92	231.24
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	556.78	163.04
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	660.38	172.56
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	689.64	182.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	767.21	201.69
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	952.54	211.20
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	245.17	81.74
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	274.69	86.50
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	322.34	100.91
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	374.26	95.87
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	396.32	100.63
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	418.37	105.39
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	223.61	67.33
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	259.15	76.12
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	303.92	86.21
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	536.66	104.95
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	102.03	38.35
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	119.97	42.82
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	131.25	47.86
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	167.66	57.23
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	393.00	76.12
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	407.26	85.64
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	500.47	95.73
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	636.47	114.47
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	539.11	81.88
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	735.72	91.40
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	887.45	100.91
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,102.28	120.24
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	714.03	86.93
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,114.62	96.16
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	743.25	86.50
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,114.62	96.16
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	665.17	86.50
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	779.98	96.16
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	765.56	86.50
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,653.75	96.16
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	995.63	96.16
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	290.08	76.99
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	375.14	86.50
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	153.42	57.67
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	268.45	62.57
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	204.80	72.09
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	279.22	82.03
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	304.43	86.50
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	337.66	91.25
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	362.86	100.63
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	337.73	91.40
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	356.03	96.16
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	384.91	105.39
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	430.23	100.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	529.71	120.24
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.24	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	104.11	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	111.55	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	122.70	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	671.17	38.49
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	255.64	19.18
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	471.29	19.18
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,422.56	192.31
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,979.83	201.97
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,969.71	19.18
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)*		
		Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	15.60	6.06
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	19.70	7.21
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	31.58	10.38
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	39.62	11.24
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	62.01	13.93
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	132.49	18.52
22 66 53 00-0635		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0627)*		
22 66 53 00-0636		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	61.26	24.08
		Note: 0.125		
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	77.45	30.71
		Note: 0.16		
		For Work In Restricted Working Space, Add	*13.84*	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	115.19	41.23
		Note: 0.215		
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	156.73	48.01
		Note: 0.25		
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	312.73	62.43
		Note: 0.325		
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	431.43	84.04
		Note: 0.438		
		For Work In Restricted Working Space, Add	*37.84*	
22 66 53 00-0643		**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	62.13	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	81.69	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	122.84	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	159.53	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0648		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	60.82	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	76.31	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	117.38	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	134.87	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	277.05	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	390.52	84.04
		For Work In Restricted Working Space, Add	*37.84*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0655		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0635)*			
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends		61.31	24.08
		For Work In Restricted Working Space, Add		*10.81*	
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends		76.27	30.71
		For Work In Restricted Working Space, Add		*13.84*	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends		116.47	41.23
		For Work In Restricted Working Space, Add		*18.60*	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends		141.99	48.01
		For Work In Restricted Working Space, Add		*21.63*	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends		233.46	62.43
		For Work In Restricted Working Space, Add		*28.11*	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends		270.25	84.04
		For Work In Restricted Working Space, Add		*37.84*	
22 66 53 00-0662		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0635)*			
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends		299.73	61.99
		For Work In Restricted Working Space, Add		*27.90*	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends		230.91	46.13
		For Work In Restricted Working Space, Add		*20.76*	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends		146.58	36.04
		For Work In Restricted Working Space, Add		*16.22*	
22 66 53 00-0666		**Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0635)*			
22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees		85.38	36.04
		For Work In Restricted Working Space, Add		*16.22*	
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees		106.72	46.13
		For Work In Restricted Working Space, Add		*20.76*	
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees		168.08	61.99
		For Work In Restricted Working Space, Add		*27.90*	
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees		220.60	72.09
		For Work In Restricted Working Space, Add		*32.44*	
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees		515.48	93.56
		For Work In Restricted Working Space, Add		*42.17*	
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees		711.66	126.00
		For Work In Restricted Working Space, Add		*56.77*	
22 66 53 00-0673		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0635)*			
22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		96.56	39.36
		For Work In Restricted Working Space, Add		*17.73*	
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		103.30	42.68
		For Work In Restricted Working Space, Add		*19.25*	
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		101.60	42.68
		For Work In Restricted Working Space, Add		*19.25*	
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		145.19	53.34
		For Work In Restricted Working Space, Add		*24.00*	
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		155.14	56.66
		For Work In Restricted Working Space, Add		*25.52*	
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		195.64	63.44
		For Work In Restricted Working Space, Add		*28.54*	
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		208.08	68.62
		For Work In Restricted Working Space, Add		*30.92*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		392.28	86.35
		For Work In Restricted Working Space, Add		*38.92*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees		846.82	107.98
		For Work In Restricted Working Space, Add		*48.66*	
22 66 53 00-0683		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees** *(22 66 53 00-0635)*			
22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees		119.29	48.01
		For Work In Restricted Working Space, Add		*21.63*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees		147.92	61.41
		For Work In Restricted Working Space, Add		*27.68*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees		198.41	82.60
		For Work In Restricted Working Space, Add		*37.19*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees		243.50	96.01
		For Work In Restricted Working Space, Add		*43.25*	
22 66 53 00-0688		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees** *(22 66 53 00-0635)*			
22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee		144.35	54.78
		For Work In Restricted Working Space, Add		*24.65*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee		172.34	65.31
		For Work In Restricted Working Space, Add		*29.41*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee		212.73	72.09
		For Work In Restricted Working Space, Add		*32.44*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee		198.93	78.71
		For Work In Restricted Working Space, Add		*35.46*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee		223.20	89.23
		For Work In Restricted Working Space, Add		*40.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers *(22 66 53 00-0635)*

22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	79.63	27.39
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	89.71	32.58
		For Work In Restricted Working Space, Add	*14.71*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	135.46	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	148.56	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	164.63	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	217.81	51.90
		For Work In Restricted Working Space, Add	*23.36*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	247.93	55.22
		For Work In Restricted Working Space, Add	*24.87*	

22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings *(22 66 53 00-0635)*

22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	62.08	27.39
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	71.22	32.58
		For Work In Restricted Working Space, Add	*14.71*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	78.26	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	112.83	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	121.99	44.69
		For Work In Restricted Working Space, Add	*20.11*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	178.68	51.90
		For Work In Restricted Working Space, Add	*23.36*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	179.05	55.22
		For Work In Restricted Working Space, Add	*24.87*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	448.68	66.03
		For Work In Restricted Working Space, Add	*29.76*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	474.60	73.23
		For Work In Restricted Working Space, Add	*33.00*	

22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0635)*

22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	103.24	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	137.81	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	217.54	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	329.50	72.09
		For Work In Restricted Working Space, Add	*32.44*	

22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0635)*

22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	85.99	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	113.99	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	172.83	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	224.49	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	435.99	93.56
		For Work In Restricted Working Space, Add	*42.17*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	510.78	126.00
		For Work In Restricted Working Space, Add	*56.77*	

22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0635)*

22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	94.02	39.36
		For Work In Restricted Working Space, Add	*17.73*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	108.94	42.68
		For Work In Restricted Working Space, Add	*19.25*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	148.75	53.34
		For Work In Restricted Working Space, Add	*24.00*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	159.48	56.66
		For Work In Restricted Working Space, Add	*25.52*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	163.98	59.97
		For Work In Restricted Working Space, Add	*27.03*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	202.25	63.44
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	214.79	68.62
		For Work In Restricted Working Space, Add	*30.92*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	321.58	86.35
		For Work In Restricted Working Space, Add	*38.92*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	385.66	107.98
		For Work In Restricted Working Space, Add	*48.66*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	421.70	115.19
		For Work In Restricted Working Space, Add	*51.90*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0735		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes** *(22 66 53 00-0635)*			
22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		132.01	48.01
		For Work In Restricted Working Space, Add		*21.63*	
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		155.60	61.41
		For Work In Restricted Working Space, Add		*27.68*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		238.48	82.60
		For Work In Restricted Working Space, Add		*37.19*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		405.37	96.01
		For Work In Restricted Working Space, Add		*43.25*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		641.67	124.84
		For Work In Restricted Working Space, Add		*56.22*	
22 66 53 00-0741		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes** *(22 66 53 00-0635)*			
22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		177.23	54.78
		For Work In Restricted Working Space, Add		*24.65*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		225.07	72.09
		For Work In Restricted Working Space, Add		*32.44*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		365.46	89.23
		For Work In Restricted Working Space, Add		*40.22*	
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes		527.38	110.43
		For Work In Restricted Working Space, Add		*49.74*	
22 66 53 00-0746		**Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*			
22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		95.75	36.04
		For Work In Restricted Working Space, Add		*16.22*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		124.83	46.13
		For Work In Restricted Working Space, Add		*20.76*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		181.80	61.99
		For Work In Restricted Working Space, Add		*27.90*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		234.26	72.09
		For Work In Restricted Working Space, Add		*32.44*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		481.49	93.56
		For Work In Restricted Working Space, Add		*42.17*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		816.53	126.00
		For Work In Restricted Working Space, Add		*56.77*	
22 66 53 00-0753		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*			
22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		93.79	39.36
		For Work In Restricted Working Space, Add		*17.73*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		114.24	42.68
		For Work In Restricted Working Space, Add		*19.25*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		153.89	53.34
		For Work In Restricted Working Space, Add		*24.00*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		165.08	56.66
		For Work In Restricted Working Space, Add		*25.52*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		205.95	63.44
		For Work In Restricted Working Space, Add		*28.54*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		219.34	68.62
		For Work In Restricted Working Space, Add		*30.92*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		382.76	83.03
		For Work In Restricted Working Space, Add		*37.41*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends		397.74	86.35
		For Work In Restricted Working Space, Add		*38.92*	
22 66 53 00-0762		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*			
22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		139.78	48.01
		For Work In Restricted Working Space, Add		*21.63*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		202.23	61.41
		For Work In Restricted Working Space, Add		*27.68*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		312.99	82.60
		For Work In Restricted Working Space, Add		*37.19*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		502.33	96.01
		For Work In Restricted Working Space, Add		*43.25*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		686.49	124.84
		For Work In Restricted Working Space, Add		*56.22*	
22 66 53 00-0768		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*			
22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		177.24	54.78
		For Work In Restricted Working Space, Add		*24.65*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		266.57	72.09
		For Work In Restricted Working Space, Add		*32.44*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends		316.64	78.71
		For Work In Restricted Working Space, Add		*35.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	332.50	89.23
		For Work In Restricted Working Space, Add	*40.22*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	414.85	103.65
		For Work In Restricted Working Space, Add	*46.71*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	461.54	110.43
		For Work In Restricted Working Space, Add	*49.74*	

22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug *(22 66 53 00-0635)*

22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	91.37	36.04
		For Work In Restricted Working Space, Add	*16.22*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	110.41	46.13
		For Work In Restricted Working Space, Add	*20.76*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	179.40	61.99
		For Work In Restricted Working Space, Add	*27.90*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	225.80	72.09
		For Work In Restricted Working Space, Add	*32.44*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	458.37	93.56
		For Work In Restricted Working Space, Add	*42.17*	
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	23.66	11.97
		For Work In Restricted Working Space, Add	*5.41*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	29.24	15.28
		For Work In Restricted Working Space, Add	*6.92*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	41.77	20.62
		For Work In Restricted Working Space, Add	*9.30*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	48.12	23.93
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	75.04	31.14
		For Work In Restricted Working Space, Add	*14.06*	

22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug *(22 66 53 00-0635)*

22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	52.35	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	65.36	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	97.48	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	133.13	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	199.29	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	336.43	84.04
		For Work In Restricted Working Space, Add	*37.89*	

22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0635)*

22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.74	24.08
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	70.72	30.71
		For Work In Restricted Working Space, Add	*13.84*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	93.45	41.23
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	116.86	48.01
		For Work In Restricted Working Space, Add	*21.63*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	164.66	62.43
		For Work In Restricted Working Space, Add	*28.11*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	317.64	84.04
		For Work In Restricted Working Space, Add	*37.89*	

22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0635)*

22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	33.52	11.97
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	44.18	15.43
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	65.82	20.62
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	103.00	24.08
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	159.02	31.14

22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0635)*

22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	36.58	11.97
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	50.92	15.43
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	61.49	20.62
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	99.62	24.08
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	132.68	31.14

22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0635)*

22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	33.34	11.97
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	41.40	15.43
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	62.67	20.62
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	100.62	24.08
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	128.69	31.14
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	198.10	42.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		Acid Neutralization Tank *(22 66 83 16)*		
22 66 83 16-0002		Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	676.62	293.52
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,201.61	407.02
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,510.12	587.05
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,944.30	782.72
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,483.69	939.27
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,374.42	1,174.08
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,917.92	1,467.61
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	5,058.05	1,761.13
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,765.40	2,113.35
22 66 83 16-0012		Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,075.97	293.52
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,833.91	407.02
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,903.00	587.05
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,827.51	782.72
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,832.52	939.27
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,528.05	1,174.08
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	6,062.05	1,467.61
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,801.97	1,761.13
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,559.23	2,113.35
22 66 83 16-0022		Chemical Dilution Trap *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	579.56	97.84
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	597.04	97.84
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	614.51	97.84
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	676.76	117.41

END OF SECTION 22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	704.33
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,005.93
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,056.27
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,164.52
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	2,108.92
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	946.22
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,358.81
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,436.89
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,885.17
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,914.77
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	1,117.43
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,639.73
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,782.67
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,897.97
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	11,078.26

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	39.14
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	46.97
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	54.80
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	62.62
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	78.27
23 01 20 91-0007	EA	Lock Out Padlock	15.66
23 01 20 91-0008	EA	Lock Out Tags	5.88

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit	407.34

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	742.93
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	424.29
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	895.58
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	490.26
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,213.52
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	556.43
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,382.68
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	650.46
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,993.54
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	751.99
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,995.37
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	969.09
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,315.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,406.76	
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,309.59	
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,898.44	
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,389.97	
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,443.39	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.49	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 2,000, Deduct	*-0.47*	
		For >2,000, Deduct	*-0.71*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	3.35	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000, Deduct	*-0.95*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	5.07	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 2,000, Deduct	*-0.93*	
		For >2,000, Deduct	*-1.42*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	6.84	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 2,000, Deduct	*-1.24*	
		For >2,000, Deduct	*-1.89*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	8.28	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 2,000, Deduct	*-1.49*	
		For >2,000, Deduct	*-2.27*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	10.39	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 2,000, Deduct	*-1.86*	
		For >2,000, Deduct	*-2.84*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	13.80	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 2,000, Deduct	*-2.48*	
		For >2,000, Deduct	*-3.78*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	16.56	
		For >250 To 500, Deduct	*-1.41*	
		For >500 To 2,000, Deduct	*-2.98*	
		For >2,000, Deduct	*-4.54*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	319.21	

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	241.05	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	301.31	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	430.08	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	515.36	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	644.20	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	837.47	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.42	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	501.98	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	716.93	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	859.02	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,073.78	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,395.92	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.70	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	702.79	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,003.72	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,202.64	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,503.30	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,954.29	
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.98	
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	966.32	
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,380.10	
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,465.42	
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,831.76	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	2,381.30	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1.19	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,304.54	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,863.13	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,978.31	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,472.88	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	3,214.76	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.61	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0073		Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*		
23 01 20 91-0074	EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	419.49	
23 01 20 91-0075	EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	527.52	
23 01 20 91-0076	EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	728.07	
23 01 20 91-0077	EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,107.94	
23 01 20 91-0078	EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,365.98	
23 01 20 91-0079	EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,054.92	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.37	
		For Exhaust Ductwork, Add	*1.09*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.48	
		For Exhaust Ductwork, Add	*1.37*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	7.36	
		For Exhaust Ductwork, Add	*1.84*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	10.42	
		For Exhaust Ductwork, Add	*2.61*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.64	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	12.95	
23 01 30 51-0008	EA	Clean Floor Transition	10.42	
23 01 30 51-0009	SF	Clean Duct Dampers	14.72	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	29.44	
23 01 30 51-0011	SF	Clean Louver	11.78	
23 01 30 51-0012	EA	Clean Turning Vane Set	35.33	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	35.33	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	8.83	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	118.28	
		For Stainless Steel, Add	*68.16*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	105.99	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	141.32	
23 01 30 51-0018	EA	Clean (FCU) Fan Coil Unit	141.32	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	141.32	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	282.65	
23 01 30 51-0021	EA	Clean Exhaust Fan	247.31	
23 01 30 51-0022	EA	Clean Duct Coil	211.98	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	7.07	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	282.65	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	423.96	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.76	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.47	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.87	
23 01 30 51-0029	EA	Minimum Set-up Charge For Cleaning Of Ductwork Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,048.90	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.63	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.29	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Set-up And Maintenance For Boiler Repairs *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	3,357.88	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	3,602.01	
		For Burner Seals, Add	*735.79*	
		Note: Used when burner must be removed from door for maintenance.		
23 01 50 61-0005	EA	Set-up Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	4,477.18	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,238.59	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	4,477.18	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	139.91	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	419.73	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	15.87	

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	335.78	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	419.74	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	587.62	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	12.47	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	14.50	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	16.58	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	23.78	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	27.86	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	35.67	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	41.97	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	62.96	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	83.94	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	104.94	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	125.92	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	146.91	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	125.92	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	167.90	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	209.86	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	251.84	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	293.81	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	335.78	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	431.08	

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	3,375.50	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,225.48	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,988.34	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	6,037.31	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	4,267.72	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	5,296.78	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	9,568.10	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	7,157.28	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	8,161.09	

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	160.96	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,233.41	

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)*

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,511.41	1,496.95
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	16,532.03	1,853.33
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	19,541.64	2,245.28
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	22,992.99	2,416.71

23 01 50 61-0052 Boiler And Chiller Water Treatment *(23 01 50 61)*

Note: 3 Lb. chemical per 50 gallon system water.

23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.74	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.62	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	163.43	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001 Cooling Tower Repairs *(23 01 60 61)*

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,669.33
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,318.56
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,963.03
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,856.32
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,451.05
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	4,057.10
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,512.01
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,293.93
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	6,028.45
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,637.41
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	1,006.17
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,046.29
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,119.60
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,304.25
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,614.47
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,178.23
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,291.80
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,462.16
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	49.51
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	31.04

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*

See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.

23 01 60 71-0002	LB	Recovery Of Refrigerant	16.12
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	30.25
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	13.59

23 01 60 71-0005 Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen *(23 01 60 71)*

Note: Includes vacuum of nitrogen from pipe.

23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	169.02
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	216.09
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	271.55
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	348.24
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	459.65
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.26
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	231.41
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	296.03
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	371.95
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	477.58
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	631.00
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.35
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	294.04
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	376.41
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	473.40
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	608.44
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	806.41
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.46
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	337.04
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	434.87
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	550.05
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	711.62
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	958.54
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.53
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	400.48
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	517.16
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	715.44
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	847.25
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,143.10
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.62
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	456.72
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	590.06
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	747.29
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	968.32
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,308.73
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.73

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0002		Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)* Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003		Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*		
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	801.49	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	907.55	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	893.64	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	949.28	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,244.84	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,050.11	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,017.08	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,272.66	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,097.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,620.38	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,161.38	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,201.37	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,122.83	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,842.92	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,766.42	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,545.31	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,107.18	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,138.48	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,312.03	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,993.87	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,028.64	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,466.46	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,517.19	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,802.32	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,436.60	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,223.06	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,635.11	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,566.69	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,982.83	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,068.02	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,850.08	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,420.65	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,611.90	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,992.65	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,296.90	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,847.74	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,186.76	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,606.89	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,276.56	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,406.65	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,119.48	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	15,570.90	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,094.22	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	19,208.05	
23 05 13 00-0050		Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,758.76	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,813.79	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,998.90	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,699.25	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,380.48	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,849.60	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,878.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,377.22	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,767.27	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,341.01	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	30,729.76	
23 05 13 00-0062		Premium Efficient, TEFC Motors *(23 05 13 00-0001)* Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	937.11	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,032.73	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.28	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,072.72	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,163.12	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.70	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,290.04	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,430.87	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,345.68	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,228.89	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,143.69	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,940.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,173.25	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,190.64	
23 05 13 00-0081		**Cast Iron Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,336.98	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,496.93	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,411.74	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,385.66	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,782.06	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,484.76	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,451.73	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,809.88	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,602.99	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,648.19	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,254.96	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,649.93	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,616.59	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,284.52	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,201.07	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,731.04	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,677.44	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,468.81	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,259.57	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,689.31	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,376.36	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,681.74	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,049.20	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,094.40	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.65	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,283.61	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,354.89	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,559.13	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,278.08	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,352.84	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,887.42	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,606.07	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,307.03	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,321.46	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,414.52	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.97	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,889.37	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,225.53	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,063.84	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,072.75	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,386.61	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,275.34	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	21,045.75	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,969.86	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,485.01	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	27,014.37	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	33,951.38	
23 05 13 00-0130		**Premium Efficient, Severe Duty Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.		
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,389.14	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,526.49	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,686.44	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,369.71	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,580.39	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,556.05	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,973.31	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,948.67	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,653.41	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,623.85	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,999.39	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,718.87	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,955.92	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,055.03	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,886.08	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,033.55	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,406.22	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,091.54	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,924.33	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,420.65	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,139.91	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,633.98	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,184.81	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,342.11	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,343.33	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,153.82	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,436.60	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,564.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,276.96	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,017.90	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,232.88	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,433.03	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,989.78	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,309.99	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,468.72	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,034.28	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,996.43	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,640.02	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,849.47	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,310.81	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,697.09	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,408.69	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,043.89	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,762.54	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,220.01	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,525.48	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,285.56	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,146.68	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,275.34	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,785.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,689.34	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,076.53	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,108.13	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,180.14	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,464.76	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,144.85	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	27,695.90	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,221.87	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	24,997.59	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,287.85	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,568.37	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,284.98	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,276.19	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,013.67	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,229.25	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	46,208.51	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,853.35	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,919.41	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,093.27	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,587.04	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,868.69	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,953.58	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,035.29	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,462.68	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,227.67	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,181.85	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,183.29	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,008.51	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,524.57	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,919.45	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	22,210.62	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	27,056.09	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	35,363.12	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	40,349.43	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	251.53	127.98
23 05 13 00-0218	EA	3/4 HP Motor Mounting	289.81	159.97
23 05 13 00-0219	EA	1 HP Motor Mounting	310.03	159.97
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	333.29	159.97
23 05 13 00-0221	EA	2 HP Motor Mounting	360.31	191.97
23 05 13 00-0222	EA	3 HP Motor Mounting	416.61	191.97
23 05 13 00-0223	EA	5 HP Motor Mounting	493.75	319.95
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	634.82	319.95
23 05 13 00-0225	EA	10 HP Motor Mounting	833.21	559.92
23 05 13 00-0226	EA	15 HP Motor Mounting	1,025.50	559.92
23 05 13 00-0227	EA	20 HP Motor Mounting	1,211.94	799.88
23 05 13 00-0228	EA	25 HP Motor Mounting	1,374.37	799.88
23 05 13 00-0229	EA	30 HP Motor Mounting	1,666.43	799.88
23 05 13 00-0230	EA	40 HP Motor Mounting	1,877.66	1,199.82
23 05 13 00-0231	EA	50 HP Motor Mounting	2,083.03	1,199.82
23 05 13 00-0232	EA	75 HP Motor Mounting	2,515.36	1,759.74
23 05 13 00-0233	EA	100 HP Motor Mounting	3,029.86	1,759.74
23 05 13 00-0234	EA	125 HP Motor Mounting	3,703.16	2,399.65
23 05 13 00-0235	EA	150 HP Motor Mounting	4,300.45	2,399.65
23 05 13 00-0236	EA	200 HP Motor Mounting	4,937.55	2,879.58

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*
Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*
Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint		285.73	122.96
		For 300 Lb. Rating, Add		*9.92*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint		320.64	138.68
		For 300 Lb. Rating, Add		*10.86*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint		374.49	158.97
		For 300 Lb. Rating, Add		*14.16*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint		422.46	177.43
		For 300 Lb. Rating, Add		*17.00*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint		456.91	190.70
		For 300 Lb. Rating, Add		*18.88*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint		527.99	224.42
		For 300 Lb. Rating, Add		*19.82*	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*
Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		614.48	122.96
		For 300 Lb. Rating, Add		*115.43*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		676.82	147.55
		For 300 Lb. Rating, Add		*122.98*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		726.22	187.32
		For 300 Lb. Rating, Add		*123.00*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		783.96	203.75
		For 300 Lb. Rating, Add		*132.12*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		870.05	238.89
		For 300 Lb. Rating, Add		*142.77*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,117.84	400.49
		For 300 Lb. Rating, Add		*154.00*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,465.13	438.05
		For 300 Lb. Rating, Add		*229.61*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,397.12	486.71
		For 300 Lb. Rating, Add		*196.64*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,792.09	621.92
		For 300 Lb. Rating, Add		*254.88*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		2,265.19	757.11
		For 300 Lb. Rating, Add		*329.70*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		2,937.34	573.51
		For 300 Lb. Rating, Add		*447.20*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		3,696.17	1,081.59
		For 300 Lb. Rating, Add		*586.05*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint		4,673.80	1,189.75
		For 300 Lb. Rating, Add		*796.66*	

23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*
Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		708.01	168.63
		For 300 Lb. Rating, Add		*92.72*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		735.19	170.03
		For 300 Lb. Rating, Add		*98.78*	
23 05 16 00-0026	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		746.84	175.65
		For 300 Lb. Rating, Add		*98.80*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		807.98	191.53
		For 300 Lb. Rating, Add		*106.12*	
23 05 16 00-0028	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		910.58	225.26
		For 300 Lb. Rating, Add		*114.90*	
23 05 16 00-0029	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,390.94	448.55
		For 300 Lb. Rating, Add		*123.69*	
23 05 16 00-0030	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,651.17	457.92
		For 300 Lb. Rating, Add		*184.42*	
23 05 16 00-0031	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,645.02	506.99
		For 300 Lb. Rating, Add		*157.94*	
23 05 16 00-0032	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		1,975.83	579.33
		For 300 Lb. Rating, Add		*204.72*	
23 05 16 00-0033	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		2,476.00	709.80
		For 300 Lb. Rating, Add		*264.81*	
23 05 16 00-0034	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		3,157.47	860.41
		For 300 Lb. Rating, Add		*359.19*	
23 05 16 00-0035	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		3,708.31	876.09
		For 300 Lb. Rating, Add		*488.93*	
23 05 16 00-0036	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint		4,849.29	1,095.11
		For 300 Lb. Rating, Add		*664.64*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*
Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*
Note: Includes rubber gasket seal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	210.04	68.62
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	270.85	80.15
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	335.71	96.16
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	457.18	144.16
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	570.70	192.17
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	695.16	240.32
23 05 17 00-0009		Steel Pipe Sleeves *(23 05 17 00-0001)*		
		Note: Includes link seals 12" length.		
23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	181.75	67.54
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	222.63	73.21
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	261.61	78.89
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	323.20	94.64
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	465.26	118.20
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	862.17	141.88
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,022.80	177.36
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,367.50	218.23
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,881.70	283.78
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,698.25	354.72

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001		Thermometers *(23 05 19)*		
23 05 19 00-0002		Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*		
		Note: Various ranges.		
23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	135.58	48.82
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	154.82	48.82
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	154.82	48.82
23 05 19 00-0006		Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*		
		Note: Various ranges.		
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	174.06	48.82
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	174.06	48.82
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	214.28	48.82
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	179.31	48.82
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	188.05	48.82
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	219.53	48.82
23 05 19 00-0013		Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*		
		Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	174.06	48.82
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	174.06	48.82
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	214.28	48.82
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	196.79	48.82
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	214.28	48.82
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	218.74	48.82
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	226.70	91.53
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	226.61	91.53
23 05 19 00-0023		Pressure Gauges *(23 05 19)*		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	49.33	19.07
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	59.65	19.07
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	324.66	19.07
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	324.66	19.07
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	421.96	19.07
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	994.99	19.07
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
		Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	159.13	19.07
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	352.61	19.07
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	351.19	19.07
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	351.19	19.07
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	351.19	19.07

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	107.67	15.26
23 05 19 00-0041	EA	1/4" Diameter, Snubber Valve	68.95	15.26
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	43.83	22.89
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	38.43	22.89
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	44.24	22.89
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	9.23	7.63
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	85.12	38.14
23 05 19 00-0047	EA	1/4", 300 Lb., Black Steel Union	72.06	15.26
23 05 19 00-0048	EA	1/4" Black Steel Coupling	32.05	15.26
23 05 19 00-0049	EA	1/4", 300 Lb., Black Steel Plug	18.66	9.16
23 05 19 00-0050	EA	1/4", 150 Lb., Black Steel Cap	19.18	9.16
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.16	5.03
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	10.39	5.03
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	10.75	
23 05 19 00-0054	EA	1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve	131.02	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	98.86	23.34
23 05 19 00-0057		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter	353.86	103.75
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter	392.81	124.49
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	433.46	138.37
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	488.48	155.61
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter	580.02	177.89
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	793.18	242.49
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0065		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,584.10	212.84
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*405.45*	
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	2,171.23	255.40
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*581.15*	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,839.53	319.25
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*770.36*	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	3,399.89	425.66
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*892.00*	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	4,921.67	510.80
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,365.02*	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	7,957.32	638.50
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,338.11*	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	11,911.40	897.19
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,540.95*	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	16,747.27	1,345.79
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,919.49*	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	24,807.87	1,495.32
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*7,636.03*	
23 05 19 00-0075		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	1,104.52	114.42
23 05 19 00-0077		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0078		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	188.27	22.79
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	196.71	23.99
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	212.53	25.20
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	239.77	33.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	286.75	41.17
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	326.84	52.13
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	458.98	60.27
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	509.89	71.23
23 05 19 00-0087		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator *(23 05 19 00-0077)*		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	242.68	22.79
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	249.91	23.99
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	269.36	25.20
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	288.14	33.97
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	307.30	41.17
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	335.31	52.13
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	623.43	60.27
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	669.50	71.23
23 05 19 00-0096		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator *(23 05 19 00-0077)*		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	347.88	22.79
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	367.20	23.99
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	398.74	25.20
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	435.65	33.97
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	500.77	41.17
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	532.40	52.13
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,058.72	60.27
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,116.88	71.23
23 05 19 00-0105		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	239.05	22.79
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	248.70	23.99
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	263.31	25.20
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	286.93	33.97
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	306.09	41.17
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	335.31	52.13
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	616.17	60.27
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	659.83	71.23
23 05 19 00-0114		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	345.46	22.79
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	372.03	23.99
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	405.99	25.20
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	435.65	33.97
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	500.77	41.17
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	537.24	52.13
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,058.72	60.27
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,116.88	71.23
23 05 19 00-0123		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	510.44	41.17
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	575.93	52.13
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	654.86	60.27
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	737.21	71.23
23 05 19 00-0128		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,127.96	164.37
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,265.11	208.67
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,850.21	245.08
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,800.77	410.87
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,503.48	501.22
23 05 19 00-0134		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	863.50	117.41
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,018.98	136.98
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,103.17	164.37
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,383.00	208.67
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,994.70	245.08
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,957.35	410.87
23 05 19 00-0141		Water Flow Switches *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	326.24	44.96
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	337.30	44.96
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	430.69	44.96
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	444.83	44.96
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	351.44	44.96
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	364.33	44.96
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	455.89	44.96
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	468.79	44.96
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	884.10	44.96
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	896.59	44.96
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	1,015.31	44.96
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,032.50	44.96
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	913.78	44.96
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	930.96	44.96
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,044.99	44.96
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,063.74	44.96

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	79.10	15.66
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	81.49	15.66
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	84.01	15.66
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	108.05	17.22
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	142.79	19.57
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	185.79	20.82
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	223.03	24.10
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
		For Work In Restricted Working Space, Add	*36.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	282.51	28.49
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	592.08	38.49
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	699.77	44.69
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,390.96	50.46
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	
		For Work In Restricted Working Space, Add	*75.68*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	318.33	24.10
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	476.73	28.49
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	695.19	38.49
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	881.71	44.69
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	2,028.72	50.46
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	
		For Work In Restricted Working Space, Add	*75.68*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	813.93	164.37
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*710.94*	
		For Chain Operated Type, Add	*303.98*	
		For Work In Restricted Working Space, Add	*61.79*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	896.73	208.67
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*766.28*	
		For Chain Operated Type, Add	*317.91*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,024.98	209.04
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*893.92*	
		For Chain Operated Type, Add	*381.43*	
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,260.26	245.08
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,106.90*	
		For Chain Operated Type, Add	*476.77*	
		For Work In Restricted Working Space, Add	*92.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,786.31	410.87
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,528.88*	
		For Chain Operated Type, Add	*635.72*	
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,215.73	451.09
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,934.23*	
		For Chain Operated Type, Add	*826.36*	
		For Work In Restricted Working Space, Add	*168.90*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,662.65	501.22
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,348.27*	
		For Chain Operated Type, Add	*1,016.95*	
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,164.74	640.45
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,766.95*	
		For Chain Operated Type, Add	*1,684.58*	
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,424.11	779.67
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,936.82*	
		For Chain Operated Type, Add	*2,224.77*	
		For Work In Restricted Working Space, Add	*292.37*	
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,538.11	946.74
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,947.45*	
		For Chain Operated Type, Add	*3,178.40*	
		For Work In Restricted Working Space, Add	*354.40*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	605.55	24.10
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	769.46	28.49
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	899.41	38.49
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,002.10	44.69
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,329.78	50.46
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	
		For Work In Restricted Working Space, Add	*75.68*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,082.38	164.37
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
		For Work In Restricted Working Space, Add	*61.79*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,163.35	208.67
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,194.01	209.04
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
		For Work In Restricted Working Space, Add	*78.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,332.06	245.08
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,758.33	410.87
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,297.91	451.09
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
		For Work In Restricted Working Space, Add	*168.90*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,610.08	501.22
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,146.53	640.45
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	6,131.69	779.67
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
		For Work In Restricted Working Space, Add	*292.37*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,717.52	946.74
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
		For Work In Restricted Working Space, Add	*354.40*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,558.40	1,296.00
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
		For Work In Restricted Working Space, Add	*486.00*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	20,321.48	1,425.60
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
		For Work In Restricted Working Space, Add	*534.60*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,931.99	1,581.13
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
		For Work In Restricted Working Space, Add	*592.92*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,593.87	1,782.01
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
		For Work In Restricted Working Space, Add	*668.26*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,763.36	2,187.01
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
		For Work In Restricted Working Space, Add	*820.13*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	102,267.92	3,564.02
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
		For Work In Restricted Working Space, Add	*1,336.51*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	130,219.95	4,752.03
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
		For Work In Restricted Working Space, Add	*1,782.01*	

23 05 23 00-0055 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0056	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	184.62	15.66
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0057	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	189.53	15.66
		For Work In Restricted Working Space, Add	*15.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0058	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	225.76	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0059	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	274.00	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0060	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	413.49	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0061	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	488.35	24.10
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0062	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	611.98	28.49
		For Work In Restricted Working Space, Add	*42.69*	

23 05 23 00-0063 Ball Valves *(23 05 23)*

23 05 23 00-0064 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0063)*

Note: 125 Lb. WSP.

23 05 23 00-0065	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	65.53	15.66
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.76*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0066	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	91.18	17.22
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.40*	
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0067	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	113.59	19.57
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.04*	
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0068	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	156.74	20.82
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*23.57*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0069	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	187.32	24.10
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*30.11*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0070	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	226.11	28.49
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*37.71*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0071	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	587.69	38.49
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0072	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	678.08	44.69
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0073	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	874.37	50.46
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*75.68*	

23 05 23 00-0074 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0075	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	74.35	15.66
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0076	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	81.72	15.66
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0077	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	113.22	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0078	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	143.11	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0079	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	208.12	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0080	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	251.87	24.10
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0081	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	323.31	28.49
		For Work In Restricted Working Space, Add	*42.69*	

23 05 23 00-0082 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0083	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	662.44	164.37
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*559.45*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*61.79*	
		For Work In Restricted Working Space, Add	*61.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0084	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	827.19	208.67
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*696.74*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*78.27*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0085	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,296.57	209.04
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,165.51*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*78.64*	
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0086	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,425.18	245.08
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,271.82*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*92.02*	
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0087	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	2,085.84	410.87
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0088	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,888.20	501.22
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0089	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,353.06	640.45
		For Work In Restricted Working Space, Add	*238.67*	

23 05 23 00-0090 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0091	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	56.84	15.66
		For True Union Socket Or Thread Type, Add	*5.19*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0092	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	75.37	17.22
		For True Union Socket Or Thread Type, Add	*6.49*	
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0093	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	92.56	19.57
		For True Union Socket Or Thread Type, Add	*8.39*	
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0094	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	117.71	20.82
		For True Union Socket Or Thread Type, Add	*10.82*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0095	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	143.64	24.10
		For True Union Socket Or Thread Type, Add	*15.61*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0096	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	171.91	28.49
		For True Union Socket Or Thread Type, Add	*19.31*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0097	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	255.90	38.49
		For True Union Socket Or Thread Type, Add	*35.56*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0098	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	330.07	44.69
		For True Union Socket Or Thread Type, Add	*54.96*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0099	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	459.32	50.46
		For True Union Socket Or Thread Type, Add	*96.06*	
		For Work In Restricted Working Space, Add	*75.68*	

23 05 23 00-0100 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0101	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	113.57	23.48
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*20.51*	
23 05 23 00-0102	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	117.17	23.48
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*21.59*	
23 05 23 00-0103	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	120.94	23.48
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*22.73*	
23 05 23 00-0104	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	150.01	25.83
		For Full Port, Add	*21.56*	
		For Work In Restricted Working Space, Add	*30.63*	
23 05 23 00-0105	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	194.57	29.35
		For Full Port, Add	*31.94*	
		For Work In Restricted Working Space, Add	*37.08*	
23 05 23 00-0106	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	253.70	31.23
		For Full Port, Add	*43.72*	
		For Work In Restricted Working Space, Add	*46.97*	
23 05 23 00-0107	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	309.80	36.16
		For Full Port, Add	*58.13*	
		For Work In Restricted Working Space, Add	*54.19*	
23 05 23 00-0108	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	423.69	42.73
		For Full Port, Add	*94.60*	
		For Work In Restricted Working Space, Add	*64.04*	
23 05 23 00-0109	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	798.49	57.74
		For Full Port, Add	*229.58*	
		For Work In Restricted Working Space, Add	*86.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0110	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,142.81	67.03
		For Full Port, Add	*364.55*	
		For Work In Restricted Working Space, Add	*99.81*	

23 05 23 00-0111 Three Piece Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0112 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0111)*

23 05 23 00-0113	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	113.66	15.66
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0114	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	116.05	15.66
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0115	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	129.40	15.66
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0116	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	164.90	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0117	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	209.56	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0118	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	287.17	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0119	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	357.07	24.10
		For Work In Restricted Working Space, Add	*36.12*	
23 05 23 00-0120	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	571.10	28.50
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0121	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,205.65	40.86
		For Work In Restricted Working Space, Add	*62.60*	

23 05 23 00-0122 Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0111)*

23 05 23 00-0123	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	130.09	15.66
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0124	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	142.00	15.66
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0125	EA	1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	150.59	15.66
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0126	EA	3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	237.30	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0127	EA	1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	302.08	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0128	EA	1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	452.55	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0129	EA	1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	572.86	24.10
		For Work In Restricted Working Space, Add	*36.12*	
23 05 23 00-0130	EA	2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	741.57	28.50
		For Work In Restricted Working Space, Add	*42.69*	

23 05 23 00-0131 Threaded, Stainless Steel Body, Three Piece Ball Valves *(23 05 23 00-0111)*

23 05 23 00-0132	EA	1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	318.81	15.66
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0133	EA	3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	341.55	15.66
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0134	EA	1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	360.00	15.66
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0135	EA	3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	521.09	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0136	EA	1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	635.14	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0137	EA	1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	743.64	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0138	EA	1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	991.40	24.10
		For Work In Restricted Working Space, Add	*36.12*	
23 05 23 00-0139	EA	2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	1,287.00	28.50
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0140	EA	3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	3,353.52	48.53
		For Work In Restricted Working Space, Add	*72.25*	

23 05 23 00-0141 Globe Valves *(23 05 23)*

23 05 23 00-0142 Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves *(23 05 23 00-0141)*

23 05 23 00-0143	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	88.64	15.66
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0144	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	83.73	15.66
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*13.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0145	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	104.91	15.66
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0146	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	107.43	15.66
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*82.82*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0147	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	129.79	16.43
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*95.12*	
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0148	EA	1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	165.81	16.43
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*124.71*	
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0149	EA	1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	248.42	20.82
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*200.21*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0150	EA	1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	326.31	24.10
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*274.65*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0151	EA	2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	384.35	28.49
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*323.17*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0152	EA	2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	436.25	38.49
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0153	EA	3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	768.51	44.69
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*66.54*	

23 05 23 00-0154 Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0141)*

23 05 23 00-0155	EA	2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	567.56	28.49
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0156	EA	2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	707.67	38.49
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0157	EA	3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	840.33	44.69
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0158	EA	4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,076.93	50.46
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*75.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0159		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0141)*		
23 05 23 00-0160	EA	2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	781.75	208.67
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0161	EA	2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	897.05	209.04
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0162	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,068.65	245.08
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0163	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,530.76	410.87
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0164	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,975.73	451.09
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*168.90*	
23 05 23 00-0165	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,414.50	501.22
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0166	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,541.65	640.45
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0167	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	5,157.18	779.67
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*292.37*	
23 05 23 00-0168	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	9,095.94	946.74
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*354.40*	
23 05 23 00-0169		Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves *(23 05 23 00-0141)*		
23 05 23 00-0170	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	79.39	15.66
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0171	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	74.48	15.66
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0172	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	76.87	15.66
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0173	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	81.32	15.66
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0174	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	110.81	16.43
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0175	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	138.48	16.43
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0176	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	187.67	20.82
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*31.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0177	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	217.55	24.10
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0178	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	288.60	28.49
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0179	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	472.61	41.80
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*62.62*	
23 05 23 00-0180	EA	3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	687.74	48.53
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*72.25*	
23 05 23 00-0181		**Flanged, 125 Lb., Iron Body, Angle Globe Valves** *(23 05 23 00-0141)*		
23 05 23 00-0182	EA	2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,600.94	208.67
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0183	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,846.94	209.04
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0184	EA	3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,174.32	245.08
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0185	EA	4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,182.32	410.87
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0186	EA	5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,343.59	451.09
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*168.90*	
23 05 23 00-0187	EA	6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,409.34	501.22
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0188	EA	8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	10,152.12	640.45
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0189		**Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves** *(23 05 23 00-0141)*		
		Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0190	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	230.40	25.36
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0191	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	235.31	25.36
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0192	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	278.32	34.13
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0193	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	343.51	41.17
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0194	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	551.98	52.13
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0195	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	661.30	60.27
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0196	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	839.18	71.23
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0197		**Triple Duty Valves** *(23 05 23)*		
		Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0198		**Straight Pattern, Triple Duty Valves** *(23 05 23 00-0197)*		
		Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0199	EA	1" Diameter Threaded, Straight Pattern, Triple Duty Valve	339.90	16.43
23 05 23 00-0200	EA	1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	395.84	20.82
23 05 23 00-0201	EA	1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	431.40	24.10
23 05 23 00-0202	EA	2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,106.49	208.67
23 05 23 00-0203	EA	2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,238.91	209.04

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0204	EA	3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,361.27	245.08
23 05 23 00-0205	EA	4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,760.02	410.87
23 05 23 00-0206	EA	5" Diameter Flanged, Straight Pattern Triple Duty Valve	3,211.51	451.09
23 05 23 00-0207	EA	6" Diameter Flanged, Straight Pattern, Triple Duty Valve	4,244.33	501.22
23 05 23 00-0208	EA	8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,703.82	640.45
23 05 23 00-0209	EA	10" Diameter Flanged, Straight Pattern, Triple Duty Valve	9,080.46	779.67
23 05 23 00-0210		**Flanged, Angle Pattern, Triple Duty Valves** *(23 05 23 00-0197)*		
		Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0211	EA	2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,082.19	208.67
23 05 23 00-0212	EA	2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,209.75	209.04
23 05 23 00-0213	EA	3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,336.97	245.08
23 05 23 00-0214	EA	4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,696.85	410.87
23 05 23 00-0215	EA	5" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,133.76	451.09
23 05 23 00-0216	EA	6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,515.39	501.22
23 05 23 00-0217	EA	8" Diameter Flanged, Angle Pattern, Triple Duty Valve	5,358.78	640.45
23 05 23 00-0218	EA	10" Diameter Flanged, Angle Pattern, Triple Duty Valve	7,141.46	779.67
23 05 23 00-0219		**Balanced, Straight Pattern, Triple Duty Valves** *(23 05 23 00-0197)*		
		Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0220	EA	3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,254.36	245.08
23 05 23 00-0221	EA	4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,478.16	410.87
23 05 23 00-0222	EA	5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,885.92	451.09
23 05 23 00-0223	EA	6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,802.10	501.22
23 05 23 00-0224	EA	8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	5,101.22	640.45
23 05 23 00-0225	EA	10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	8,074.51	779.67
23 05 23 00-0226	EA	12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	12,086.69	946.74
23 05 23 00-0227	EA	14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,680.35	1,113.81
23 05 23 00-0228	EA	16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,341.98	1,225.19
23 05 23 00-0229		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0197)*		
		Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0230	EA	2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,126.26	38.66
23 05 23 00-0231	EA	2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,342.87	46.13
23 05 23 00-0232	EA	3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,562.02	50.03
23 05 23 00-0233	EA	4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,584.16	53.92
23 05 23 00-0234	EA	5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,997.30	71.00
23 05 23 00-0235	EA	6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,995.00	91.05
23 05 23 00-0236	EA	8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,430.77	115.56
23 05 23 00-0237	EA	10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,553.49	129.48
23 05 23 00-0238	EA	12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,565.26	157.88
23 05 23 00-0239		**Plug Valves** *(23 05 23)*		
23 05 23 00-0240		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0239)*		
		Note: Includes wrench.		
23 05 23 00-0241	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	320.83	15.66
23 05 23 00-0242	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	338.40	17.22
23 05 23 00-0243	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	427.20	19.57
23 05 23 00-0244	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	512.61	20.82
23 05 23 00-0245	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	564.53	24.10
23 05 23 00-0246	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	666.41	28.49
23 05 23 00-0247	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	994.92	38.49
23 05 23 00-0248	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,214.82	44.69
23 05 23 00-0249		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0239)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0250	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	817.10	208.67
23 05 23 00-0251	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	994.76	209.04
23 05 23 00-0252	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,227.32	245.08
23 05 23 00-0253	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,761.51	410.87
23 05 23 00-0254	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,954.40	501.22
23 05 23 00-0255	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,787.10	640.45
23 05 23 00-0256	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,959.17	779.67
23 05 23 00-0257	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,336.57	946.74
23 05 23 00-0258		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0239)*		
23 05 23 00-0259	EA	1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,206.78	15.66
23 05 23 00-0260	EA	3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,427.52	17.22
23 05 23 00-0261	EA	1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,614.91	19.57
23 05 23 00-0262	EA	1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,938.69	20.82
23 05 23 00-0263	EA	1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,257.41	24.10
23 05 23 00-0264	EA	2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,966.55	28.49
23 05 23 00-0265		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0239)*		
23 05 23 00-0266	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,326.87	410.87
23 05 23 00-0267	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,021.13	501.22
23 05 23 00-0268	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,736.40	640.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0269	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,847.20	779.67
23 05 23 00-0270	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,951.12	946.74
23 05 23 00-0271		Foot Valves *(23 05 23)*		
23 05 23 00-0272		Single Poppet Foot Valves, Metal To Metal Seat Construction *(23 05 23 00-0271)*		
23 05 23 00-0273	EA	1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	116.28	38.14
23 05 23 00-0274	EA	1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	131.88	42.72
23 05 23 00-0275	EA	1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	166.68	48.82
23 05 23 00-0276	EA	2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	216.32	54.92
23 05 23 00-0277	EA	2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	480.75	90.01
23 05 23 00-0278	EA	3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	612.58	109.85
23 05 23 00-0279		Double Poppet Foot Valves, Metal To Metal Seat Construction *(23 05 23 00-0271)*		
23 05 23 00-0280	EA	1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	116.28	38.14
23 05 23 00-0281	EA	1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	234.66	42.72
23 05 23 00-0282	EA	1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	225.97	48.82
23 05 23 00-0283	EA	2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	303.24	54.92
23 05 23 00-0284	EA	3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	588.52	90.01
23 05 23 00-0285	EA	4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	795.45	108.32
23 05 23 00-0286		Float Valves *(23 05 23)*		
23 05 23 00-0287		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0286)*		
23 05 23 00-0288		Single Seat, Bronze Construction *(23 05 23 00-0287)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0289	EA	1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	251.57	32.87
23 05 23 00-0290	EA	3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	288.95	39.14
23 05 23 00-0291	EA	1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	371.17	42.27
23 05 23 00-0292	EA	1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	612.57	53.22
23 05 23 00-0293	EA	1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	628.21	61.05
23 05 23 00-0294		Double Seat, Bronze Construction *(23 05 23 00-0287)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0295	EA	1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,291.91	32.87
23 05 23 00-0296	EA	3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,304.43	39.14
23 05 23 00-0297	EA	1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,504.20	42.27
23 05 23 00-0298	EA	1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,665.45	53.22
23 05 23 00-0299	EA	1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,904.03	61.05
23 05 23 00-0300	EA	2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,494.45	72.01
23 05 23 00-0301	EA	2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,906.01	96.58
23 05 23 00-0302	EA	3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,493.61	111.00
23 05 23 00-0303		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0286)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0304		Brass Body Threaded Ends *(23 05 23 00-0303)*		
23 05 23 00-0305	EA	1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	276.46	42.42
23 05 23 00-0306	EA	3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	312.07	47.12
23 05 23 00-0307	EA	1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	382.67	52.13
23 05 23 00-0308	EA	1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	612.20	84.22
23 05 23 00-0309	EA	1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	646.00	95.96
23 05 23 00-0310	EA	2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	734.02	118.97
23 05 23 00-0311		Cast Iron Body Flanged *(23 05 23 00-0303)*		
23 05 23 00-0312	EA	2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	8,097.80	209.04
23 05 23 00-0313	EA	3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,789.40	245.08
23 05 23 00-0314		Float Operated Valves *(23 05 23 00-0286)*		
23 05 23 00-0315		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0314)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0316	EA	1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	927.70	73.58
23 05 23 00-0317		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0314)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0318	EA	3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,185.86	136.95
23 05 23 00-0319		Needle Valves *(23 05 23)*		
23 05 23 00-0320		Bronze Needle Valve *(23 05 23 00-0319)*		
		Note: For heating and cooling applications.		
23 05 23 00-0321	EA	1/4" Diameter, Bronze, Needle Valve	133.43	15.66
23 05 23 00-0322	EA	3/8" Diameter, Bronze, Needle Valve	148.19	15.66
23 05 23 00-0323	EA	1/2" Diameter, Bronze, Needle Valve	161.69	15.66
23 05 23 00-0324	EA	3/4" Diameter, Bronze, Needle Valve	243.69	17.22
23 05 23 00-0325	EA	1" Diameter, Bronze, Needle Valve	368.87	19.57

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0326		Eccentric Valves With Taps *(23 05 23)*		
23 05 23 00-0327		Screwed Eccentric Valves With Taps *(23 05 23 00-0326)*		
23 05 23 00-0328	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	300.26	15.66
23 05 23 00-0329	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	321.67	17.22
23 05 23 00-0330	EA	1" Diameter Threaded, Eccentric Valves With Taps	405.17	19.57
23 05 23 00-0331	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	492.45	20.82
23 05 23 00-0332	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	539.25	24.10
23 05 23 00-0333	EA	2" Diameter Threaded, Eccentric Valves With Taps	634.15	28.49
23 05 23 00-0334	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	953.03	38.49
23 05 23 00-0335	EA	3" Diameter Threaded, Eccentric Valves With Taps	1,155.51	44.69
23 05 23 00-0336		Flanged Eccentric Valves With Taps *(23 05 23 00-0326)*		
23 05 23 00-0337	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,165.10	209.04
23 05 23 00-0338	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,382.62	245.08
23 05 23 00-0339	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,878.95	410.87
23 05 23 00-0340	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,484.25	451.09
23 05 23 00-0341	EA	6" Diameter Flanged, Eccentric Valves With Taps	3,126.37	501.22
23 05 23 00-0342	EA	8" Diameter Flanged, Eccentric Valves With Taps	5,310.49	640.45
23 05 23 00-0343	EA	10" Diameter Flanged, Eccentric Valves With Taps	7,410.73	779.67
23 05 23 00-0344	EA	12" Diameter Flanged, Eccentric Valves With Taps	12,612.70	946.74
23 05 23 00-0345		Check Valves *(23 05 23)*		
23 05 23 00-0346		Iron Body Wafer Type Check Valve *(23 05 23 00-0345)*		
23 05 23 00-0347		Single Disk Type *(23 05 23 00-0346)*		
23 05 23 00-0348	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	537.78	203.37
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Add	*85.05*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*178.43*	
23 05 23 00-0349	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	626.94	203.75
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Add	*111.43*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*218.25*	
23 05 23 00-0350	EA	3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	768.49	238.89
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Add	*140.85*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*271.07*	
23 05 23 00-0351	EA	4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,137.76	400.49
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Add	*190.77*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*386.53*	
23 05 23 00-0352	EA	6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,698.65	562.09
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Add	*298.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*588.74*	
23 05 23 00-0353	EA	8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,333.62	646.41
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Add	*458.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*848.86*	
23 05 23 00-0354	EA	10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	3,432.24	786.93
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Add	*732.41*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,296.79*	
23 05 23 00-0355		Twin Disc Type *(23 05 23 00-0346)*		
23 05 23 00-0356	EA	2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valvev	732.92	203.37
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Add	*143.59*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*266.24*	
23 05 23 00-0357	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	829.93	203.75
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Add	*172.33*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*309.59*	
23 05 23 00-0358	EA	3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	969.21	238.89
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Add	*201.07*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*361.40*	
23 05 23 00-0359	EA	4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,352.99	400.49
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Add	*255.34*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*483.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0360	EA	6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,075.09	562.09
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*758.14*	
23 05 23 00-0361	EA	8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,899.00	646.41
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,103.80*	
23 05 23 00-0362	EA	10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	4,303.49	772.88
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,690.56*	
23 05 23 00-0363	EA	12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	5,638.19	955.55
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,239.47*	
23 05 23 00-0364	EA	14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	10,519.20	1,106.82
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,364.70*	
23 05 23 00-0365	EA	16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	14,390.58	1,298.67
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*6,069.93*	
23 05 23 00-0366	EA	18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	19,138.36	1,446.24
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,161.34*	
23 05 23 00-0367	EA	20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	22,759.27	1,623.33
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,734.38*	
23 05 23 00-0368	EA	24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	29,736.08	1,992.27
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,756.88*	

23 05 23 00-0369 Bronze Body Swing Check Valves *(23 05 23 00-0345)*

23 05 23 00-0370 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0369)*

23 05 23 00-0371	EA	1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	97.50	15.66
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0372	EA	1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	92.59	15.66
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0373	EA	3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	94.98	15.66
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*14.39*	
23 05 23 00-0374	EA	1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	99.34	15.66
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0375	EA	3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	127.25	16.43
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0376	EA	1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	162.76	16.43
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0377	EA	1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	217.16	20.82
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0378	EA	1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	278.39	24.10
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0379	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	345.40	28.49
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0380	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	659.09	38.49
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0381	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	885.80	44.69
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0382	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	1,003.68	50.46
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*75.68*	

23 05 23 00-0383 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0345)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0384	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	696.38	117.41
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*44.30*	
23 05 23 00-0385	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	774.67	136.98
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*51.05*	
23 05 23 00-0386	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	861.63	164.37
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*61.79*	
23 05 23 00-0387	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,075.22	208.67
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0388	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,212.48	209.04
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0389	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,339.48	245.08
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0390	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,110.92	410.87
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0391	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,906.33	451.09
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*168.90*	
23 05 23 00-0392	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	3,345.73	501.22
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0393	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,578.86	640.45
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0394	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	10,208.07	779.67
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*292.37*	
23 05 23 00-0395	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	15,580.50	946.74
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*354.40*	
23 05 23 00-0396	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,921.85	1,296.00
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*486.00*	
23 05 23 00-0397	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	25,525.53	1,425.60
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*534.60*	
23 05 23 00-0398	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	39,294.55	1,581.13
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*592.92*	
23 05 23 00-0399	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	54,168.11	1,782.01
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*668.26*	
23 05 23 00-0400	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	75,447.33	2,187.01
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*820.13*	

23 05 23 00-0401 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0345)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0402	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	213.27	15.66
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0403	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	252.88	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0404	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	299.43	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0405	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	459.29	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0406	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	544.31	24.10
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0407	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	732.36	28.49
		For Work In Restricted Working Space, Add	*42.69*	

23 05 23 00-0408 Plastic Check Valve *(23 05 23 00-0345)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0409		**Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections** *(23 05 23 00-0408)*		
23 05 23 00-0410	EA	1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	76.43	15.66
		For Work In Restricted Working Space, Add	*15.15*	
23 05 23 00-0411	EA	3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	94.00	17.22
		For Work In Restricted Working Space, Add	*20.42*	
23 05 23 00-0412	EA	1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	109.35	19.57
		For Work In Restricted Working Space, Add	*24.72*	
23 05 23 00-0413	EA	1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	132.43	20.82
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0414	EA	1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	150.11	24.10
		For Work In Restricted Working Space, Add	*36.13*	
23 05 23 00-0415	EA	2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	188.47	28.49
		For Work In Restricted Working Space, Add	*42.69*	
23 05 23 00-0416	EA	2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	257.94	38.49
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0417	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	307.07	44.69
		For Work In Restricted Working Space, Add	*66.54*	
23 05 23 00-0418		**Diaphragm Valves** *(23 05 23)*		
23 05 23 00-0419		**Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves** *(23 05 23 00-0418)*		
23 05 23 00-0420	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	319.58	46.85
23 05 23 00-0421	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	407.04	51.90
23 05 23 00-0422	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	443.92	64.15
23 05 23 00-0423	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	702.89	95.87
23 05 23 00-0424	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,119.00	115.33
23 05 23 00-0425		**Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0418)*		
23 05 23 00-0426	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	502.15	75.14
23 05 23 00-0427	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	587.36	78.27
23 05 23 00-0428	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	690.07	117.41
23 05 23 00-0429	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,049.66	164.37
23 05 23 00-0430	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,690.05	208.67
23 05 23 00-0431	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,179.88	209.04
23 05 23 00-0432	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,713.01	245.08
23 05 23 00-0433	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,818.13	410.87
23 05 23 00-0434	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	8,029.26	501.22
23 05 23 00-0435	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,530.96	640.45
23 05 23 00-0436		**Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves** *(23 05 23 00-0418)*		
23 05 23 00-0437	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	201.95	46.85
23 05 23 00-0438	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	261.54	51.90
23 05 23 00-0439	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	298.42	64.15
23 05 23 00-0440	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	504.76	95.87
23 05 23 00-0441	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	657.76	115.33
23 05 23 00-0442		**Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0418)*		
23 05 23 00-0443	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	330.67	75.14
23 05 23 00-0444	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	385.09	78.27
23 05 23 00-0445	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	487.76	117.41
23 05 23 00-0446	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	774.19	164.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0447	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,048.64	208.67
23 05 23 00-0448	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,289.15	209.04
23 05 23 00-0449	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,572.30	245.08
23 05 23 00-0450	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,473.49	410.87
23 05 23 00-0451	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	5,016.77	501.22
23 05 23 00-0452	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,752.89	640.45
23 05 23 00-0453		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0418)*		
23 05 23 00-0454	EA	1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	629.13	117.41
23 05 23 00-0455	EA	1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,027.28	164.37
23 05 23 00-0456	EA	2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,386.64	208.67
23 05 23 00-0457	EA	2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,017.95	209.04
23 05 23 00-0458	EA	3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,225.39	245.08
23 05 23 00-0459	EA	4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,481.37	410.87
23 05 23 00-0460	EA	6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	7,071.50	501.22
23 05 23 00-0461	EA	8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,827.95	640.45
23 05 23 00-0462		Solenoid Valves *(23 05 23)*		
23 05 23 00-0463		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0462)*		
23 05 23 00-0464	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	152.35	15.66
23 05 23 00-0465	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	176.38	15.66
23 05 23 00-0466	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	226.38	17.22
23 05 23 00-0467	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	330.35	19.57
23 05 23 00-0468	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	578.17	24.10
23 05 23 00-0469	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	897.02	28.49
23 05 23 00-0470	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,221.51	38.49
23 05 23 00-0471	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,761.76	44.69
23 05 23 00-0472		Flow Control Valves And Meters *(23 05 23)*		
23 05 23 00-0473		Conditioned Water Balancing Valves *(23 05 23 00-0472)*		
		Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0474	EA	1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	200.26	77.81
23 05 23 00-0475	EA	3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	242.19	103.75
23 05 23 00-0476	EA	1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,450.95	118.54
23 05 23 00-0477	EA	1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,566.06	146.46
23 05 23 00-0478	EA	1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,676.57	155.61
23 05 23 00-0479	EA	2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,795.77	177.89
23 05 23 00-0480	EA	2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,189.00	309.71
23 05 23 00-0481	EA	3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,086.05	353.98
23 05 23 00-0482	EA	3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,430.24	238.89
23 05 23 00-0483	EA	4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,762.16	400.49
23 05 23 00-0484	EA	6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,426.54	505.88
23 05 23 00-0485	EA	8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	10,019.14	646.41
23 05 23 00-0486	EA	10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,307.66	786.93
23 05 23 00-0487		Read Out Meters *(23 05 23 00-0472)*		
		Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0488	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0489	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0490	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0491	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0492		Balancing Valves *(23 05 23)*		
23 05 23 00-0493		Balancing Valves With Lever *(23 05 23 00-0492)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0494	EA	1/2" Diameter Threaded, Balancing Valve With Lever	454.39	48.06
23 05 23 00-0495	EA	3/4" Diameter Threaded, Balancing Valve With Lever	495.38	63.31
23 05 23 00-0496	EA	1" Diameter Threaded, Balancing Valve With Lever	684.71	72.47
23 05 23 00-0497	EA	1-1/4" Diameter Threaded, Balancing Valve With Lever	739.99	90.01
23 05 23 00-0498	EA	1-1/2" Diameter Threaded, Balancing Valve With Lever	777.40	95.36
23 05 23 00-0499	EA	2" Diameter Threaded, Balancing Valve With Lever	952.56	109.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0500	EA	2-1/2" Diameter Flanged, Balancing Valve With Lever	1,273.52	203.75
23 05 23 00-0501	EA	3" Diameter Flanged, Balancing Valve With Lever	1,283.45	238.89
23 05 23 00-0502	EA	4" Diameter Flanged, Balancing Valve With Lever	1,620.56	400.49
23 05 23 00-0503	EA	5" Diameter Flanged, Balancing Valve With Lever	4,713.65	455.30
23 05 23 00-0504	EA	6" Diameter Flanged, Balancing Valve With Lever	2,368.60	505.88
23 05 23 00-0505	EA	8" Diameter Flanged, Balancing Valve With Lever	3,128.64	646.41
23 05 23 00-0506		**Balancing Valves With Nut** *(23 05 23 00-0492)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0507	EA	4" Diameter Flanged, Balancing Valve With Nut	1,620.56	400.49
23 05 23 00-0508	EA	5" Diameter Flanged, Balancing Valve With Nut	4,713.65	455.30
23 05 23 00-0509	EA	6" Diameter Flanged, Balancing Valve With Nut	2,368.60	505.88
23 05 23 00-0510	EA	8" Diameter Flanged, Balancing Valve With Nut	3,128.64	646.41
23 05 23 00-0511		**Balancing Valves With Hand Wheel** *(23 05 23 00-0492)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0512	EA	4" Diameter Flanged, Balancing Valve With Hand Wheel	2,186.12	400.49
23 05 23 00-0513	EA	5" Diameter Flanged, Balancing Valve With Hand Wheel	5,311.54	455.30
23 05 23 00-0514	EA	6" Diameter Flanged, Balancing Valve With Hand Wheel	2,967.73	505.88
23 05 23 00-0515	EA	8" Diameter Flanged, Balancing Valve With Hand Wheel	4,191.41	646.41
23 05 23 00-0516	EA	10" Diameter Flanged, Balancing Valve With Hand Wheel	6,419.30	786.93
23 05 23 00-0517	EA	12" Diameter Flanged, Balancing Valve With Hand Wheel	8,383.28	626.17
23 05 23 00-0518	EA	14" Diameter Flanged, Balancing Valve With Hand Wheel	10,944.92	1,180.60
23 05 23 00-0519		**Balancing Valves With Chain Wheel** *(23 05 23 00-0492)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0520	EA	4" Diameter Flanged, Balancing Valve With Chain Wheel	2,510.55	400.49
23 05 23 00-0521	EA	5" Diameter Flanged, Balancing Valve With Chain Wheel	5,630.99	455.30
23 05 23 00-0522	EA	6" Diameter Flanged, Balancing Valve With Chain Wheel	3,285.94	505.88
23 05 23 00-0523	EA	8" Diameter Flanged, Balancing Valve With Chain Wheel	4,582.95	646.41
23 05 23 00-0524	EA	10" Diameter Flanged, Balancing Valve With Chain Wheel	6,799.66	786.93
23 05 23 00-0525	EA	12" Diameter Flanged, Balancing Valve With Chain Wheel	9,093.41	625.72
23 05 23 00-0526	EA	14" Diameter Flanged, Balancing Valve With Chain Wheel	11,587.55	1,180.60
23 05 23 00-0527		**Calibrated Balancing Valves** *(23 05 23 00-0492)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-0528	EA	1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S)	159.59	15.26
23 05 23 00-0529	EA	3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S)	189.10	16.78
23 05 23 00-0530	EA	1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S)	214.86	19.07
23 05 23 00-0531	EA	1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S)	298.47	20.29
23 05 23 00-0532	EA	1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S)	349.96	23.49
23 05 23 00-0533	EA	2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S)	466.04	27.77
23 05 23 00-0534	EA	1" Diameter Threaded, Calibrated Balancing Valve (CB-1)	244.51	19.07
23 05 23 00-0535	EA	1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4)	331.69	20.29
23 05 23 00-0536	EA	1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2)	372.00	23.49
23 05 23 00-0537	EA	2" Diameter Threaded, Calibrated Balancing Valve (CB-2)	497.01	27.77
23 05 23 00-0538	EA	2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2)	701.57	40.74
23 05 23 00-0539	EA	3" Diameter Threaded, Calibrated Balancing Valve (CB-3)	1,199.94	47.29
23 05 23 00-0540	EA	2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F)	1,143.25	221.21
23 05 23 00-0541	EA	3" Diameter Flanged, Calibrated Balancing Valve (CB-3F)	1,955.80	259.36
23 05 23 00-0542	EA	4" Diameter Flanged, Calibrated Balancing Valve (CB-4F)	2,946.64	434.81
23 05 23 00-0543	EA	5" Diameter Flanged, Calibrated Balancing Valve (CB-5F)	4,039.79	494.31
23 05 23 00-0544	EA	6" Diameter Flanged, Calibrated Balancing Valve (CB-6F)	5,099.35	549.23
23 05 23 00-0545	EA	8" Diameter Flanged, Calibrated Balancing Valve (CB-8F)	8,030.42	701.79
23 05 23 00-0546	EA	10" Diameter Flanged, Calibrated Balancing Valve (CB-10F)	13,108.72	826.42
23 05 23 00-0547	EA	12" Diameter Flanged, Calibrated Balancing Valve (CB-12F)	27,487.59	1,003.52
23 05 23 00-0548	EA	4" Diameter Grooved, Calibrated Balancing Valve (CB-4G)	3,277.44	53.92
23 05 23 00-0549	EA	5" Diameter Grooved, Calibrated Balancing Valve (CB-5G)	3,805.87	71.00
23 05 23 00-0550	EA	6" Diameter Grooved, Calibrated Balancing Valve (CB-6G)	5,036.76	91.05
23 05 23 00-0551	EA	8" Diameter Grooved, Calibrated Balancing Valve (CB-8G)	9,428.61	115.56
23 05 23 00-0552	EA	10" Diameter Grooved, Calibrated Balancing Valve (CB-10G)	15,030.70	129.48
23 05 23 00-0553	EA	12" Diameter Grooved, Calibrated Balancing Valve (CB-12G)	30,952.14	157.88
23 05 23 00-0554		**Butterfly Valves** *(23 05 23)*		
23 05 23 00-0555		**Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-0554)*		
		Note: With on-off handle		
23 05 23 00-0556	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	577.59	208.67
		For 200 PSI, Add	*152.01*	
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0557	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	597.22	209.04
		For 200 PSI, Add	*160.85*	
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0558	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	667.60	245.08
		For 200 PSI, Add	*173.22*	
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0559	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	967.80	410.87
		For 200 PSI, Add	*217.41*	
		For Work In Restricted Working Space, Add	*154.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0560	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,273.17	501.22
		For 200 PSI, Add	*309.32*	
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0561	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,484.16	556.91
		For 200 PSI, Add	*378.25*	
		For Work In Restricted Working Space, Add	*208.84*	
23 05 23 00-0562	EA	8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,981.30	640.45
		For 200 PSI, Add	*569.15*	
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0563	EA	10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,272.38	779.67
		For 200 PSI, Add	*1,102.94*	
		For Work In Restricted Working Space, Add	*292.37*	
23 05 23 00-0564	EA	12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	4,108.80	946.74
		For 200 PSI, Add	*1,405.19*	
		For Work In Restricted Working Space, Add	*354.40*	

23 05 23 00-0565 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0554)*

23 05 23 00-0566	EA	2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,129.95	208.67
		For Work In Restricted Working Space, Add	*78.27*	
23 05 23 00-0567	EA	2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,138.52	209.04
		For Work In Restricted Working Space, Add	*78.64*	
23 05 23 00-0568	EA	3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,227.32	245.08
		For Work In Restricted Working Space, Add	*92.02*	
23 05 23 00-0569	EA	4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,553.30	410.87
		For Work In Restricted Working Space, Add	*154.46*	
23 05 23 00-0570	EA	5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,921.27	501.22
		For Work In Restricted Working Space, Add	*188.63*	
23 05 23 00-0571	EA	6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,128.37	556.91
		For Work In Restricted Working Space, Add	*208.84*	
23 05 23 00-0572	EA	8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,651.49	640.45
		For Work In Restricted Working Space, Add	*238.67*	
23 05 23 00-0573	EA	10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	3,371.80	779.67
		For Work In Restricted Working Space, Add	*292.37*	
23 05 23 00-0574	EA	12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	4,664.84	946.74
		For Work In Restricted Working Space, Add	*354.40*	

23 05 23 00-0575 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0554)*

23 05 23 00-0576	EA	14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	7,838.50	1,215.01
		For 200 PSI, Add	*2,238.66*	
		For Work In Restricted Working Space, Add	*486.00*	
23 05 23 00-0577	EA	16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	10,136.47	1,425.60
		For 200 PSI, Add	*3,007.61*	
		For Work In Restricted Working Space, Add	*534.60*	
23 05 23 00-0578	EA	18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	14,392.66	1,587.61
		For 200 PSI, Add	*4,468.55*	
		For Work In Restricted Working Space, Add	*594.00*	
23 05 23 00-0579	EA	20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	18,644.74	1,782.01
		For 200 PSI, Add	*5,910.20*	
		For Work In Restricted Working Space, Add	*668.26*	
23 05 23 00-0580	EA	24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	25,157.98	2,187.01
		For 200 PSI, Add	*8,069.91*	
		For Work In Restricted Working Space, Add	*822.47*	

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	27.71	12.98
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	30.59	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	32.18	14.42
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	33.28	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	33.51	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	34.83	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	37.48	16.43
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	39.60	17.30
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	41.62	19.00
		For Work In Restricted Working Space, Add	*10.85*	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	45.27	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	57.74	24.15
		For Work In Restricted Working Space, Add	*14.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	69.34	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	91.42	36.04
		For Work In Restricted Working Space, Add	*21.63*	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	130.56	49.02
		For Work In Restricted Working Space, Add	*28.83*	
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	151.53	54.06
		For Work In Restricted Working Space, Add	*32.44*	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	185.12	60.55
		For Work In Restricted Working Space, Add	*37.19*	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	227.16	72.09
		For Work In Restricted Working Space, Add	*43.25*	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	283.29	90.10
		For Work In Restricted Working Space, Add	*54.06*	
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	432.87	108.12
		For Work In Restricted Working Space, Add	*64.88*	
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	634.93	126.14
		For Work In Restricted Working Space, Add	*75.69*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.38	12.98
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.26	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	36.95	14.42
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	38.15	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	38.75	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	39.77	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	43.51	16.43
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	45.44	17.30
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	51.08	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	55.02	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	85.23	24.15
		For Work In Restricted Working Space, Add	*14.49*	
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	104.89	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	126.07	36.04
		For Work In Restricted Working Space, Add	*21.63*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.54	12.98
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.46	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	32.14	14.42
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	33.02	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	33.15	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	34.10	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	36.52	16.43
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	37.98	17.30
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	42.85	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	43.78	20.18
		For Work In Restricted Working Space, Add	*11.53*	

23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*

23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	36.29	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.88	14.42
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	38.72	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	39.65	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	42.05	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	44.61	16.43
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	46.60	17.30
		For Work In Restricted Working Space, Add	*10.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	55.15	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	69.51	24.15
		For Work In Restricted Working Space, Add	*14.49*	
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	85.12	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	117.32	36.04
		For Work In Restricted Working Space, Add	*21.63*	
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	162.99	49.02
		For Work In Restricted Working Space, Add	*28.83*	
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	183.12	54.06
		For Work In Restricted Working Space, Add	*32.44*	
23 05 29 00-0063		Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	43.15	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	45.64	16.43
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	47.76	17.30
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	53.16	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	55.48	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	69.08	24.15
		For Work In Restricted Working Space, Add	*14.49*	
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	81.08	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	106.11	36.04
		For Work In Restricted Working Space, Add	*21.63*	
23 05 29 00-0072		Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) *(23 05 29 00-0002)*		
23 05 29 00-0073	EA	1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	33.18	13.34
		For Work In Restricted Working Space, Add	*8.00*	
23 05 29 00-0074	EA	3/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	35.34	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0075	EA	1" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	36.86	14.42
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0076	EA	1-1/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	38.12	14.89
		For Work In Restricted Working Space, Add	*9.27*	
23 05 29 00-0077	EA	1-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	38.94	15.36
		For Work In Restricted Working Space, Add	*9.44*	
23 05 29 00-0078	EA	2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	40.61	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0079	EA	2-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	45.07	16.57
		For Work In Restricted Working Space, Add	*9.83*	
23 05 29 00-0080	EA	3" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	51.39	17.30
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0081	EA	3-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	55.72	18.74
		For Work In Restricted Working Space, Add	*10.81*	
23 05 29 00-0082	EA	4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	58.84	20.18
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0083	EA	5" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	73.14	24.51
		For Work In Restricted Working Space, Add	*13.86*	
23 05 29 00-0084	EA	6" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	96.21	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0085		Adjustable Hangers *(23 05 29 00-0001)*		
23 05 29 00-0086		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0085)* Note: Type 5.		
23 05 29 00-0087	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.98	11.37
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0088	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	27.47	12.61
		For Work In Restricted Working Space, Add	*7.57*	
23 05 29 00-0089	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.25	14.01
		For Work In Restricted Working Space, Add	*8.41*	
23 05 29 00-0090	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	33.45	15.57
		For Work In Restricted Working Space, Add	*9.34*	
23 05 29 00-0091	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.14	16.35
		For Work In Restricted Working Space, Add	*9.81*	
23 05 29 00-0092	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	37.40	17.12
		For Work In Restricted Working Space, Add	*10.28*	
23 05 29 00-0093	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	41.83	17.91
		For Work In Restricted Working Space, Add	*10.74*	
23 05 29 00-0094	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	43.70	18.68
		For Work In Restricted Working Space, Add	*11.21*	
23 05 29 00-0095	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	51.25	21.01
		For Work In Restricted Working Space, Add	*12.61*	
23 05 29 00-0096		Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0085)* Note: Type 10.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0097	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.86	14.42
		For Work In Restricted Working Space, Add	*8.65*	
		For 304 Stainless Steel, Add	*5.25*	
		For 316 Stainless Steel, Add	*6.44*	
23 05 29 00-0098	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.48	14.42
		For Work In Restricted Working Space, Add	*9.11*	
		For 304 Stainless Steel, Add	*5.76*	
		For 316 Stainless Steel, Add	*7.06*	
23 05 29 00-0099	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.17	15.86
		For Work In Restricted Working Space, Add	*9.61*	
		For 304 Stainless Steel, Add	*5.76*	
		For 316 Stainless Steel, Add	*7.06*	
23 05 29 00-0100	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	35.19	17.30
		For Work In Restricted Working Space, Add	*10.18*	
		For 304 Stainless Steel, Add	*6.43*	
		For 316 Stainless Steel, Add	*7.88*	
23 05 29 00-0101	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.70	20.18
		For Work In Restricted Working Space, Add	*11.53*	
		For 304 Stainless Steel, Add	*6.43*	
		For 316 Stainless Steel, Add	*7.88*	
23 05 29 00-0102	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	42.51	20.18
		For Work In Restricted Working Space, Add	*12.35*	
		For 304 Stainless Steel, Add	*6.78*	
		For 316 Stainless Steel, Add	*8.31*	
23 05 29 00-0103	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	46.52	21.63
		For Work In Restricted Working Space, Add	*13.31*	
		For 304 Stainless Steel, Add	*11.02*	
		For 316 Stainless Steel, Add	*13.50*	
23 05 29 00-0104	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	50.30	24.51
		For Work In Restricted Working Space, Add	*14.42*	
		For 304 Stainless Steel, Add	*11.48*	
		For 316 Stainless Steel, Add	*14.06*	
23 05 29 00-0105	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	55.64	26.31
		For Work In Restricted Working Space, Add	*15.79*	
		For 304 Stainless Steel, Add	*15.40*	
		For 316 Stainless Steel, Add	*18.88*	
23 05 29 00-0106	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	60.69	28.83
		For Work In Restricted Working Space, Add	*17.30*	
		For 304 Stainless Steel, Add	*15.40*	
		For 316 Stainless Steel, Add	*18.88*	
23 05 29 00-0107	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	71.15	32.43
		For Work In Restricted Working Space, Add	*19.46*	
		For 304 Stainless Steel, Add	*31.98*	
		For 316 Stainless Steel, Add	*39.19*	
23 05 29 00-0108	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	78.46	36.04
		For Work In Restricted Working Space, Add	*21.63*	
		For 304 Stainless Steel, Add	*32.49*	
		For 316 Stainless Steel, Add	*39.81*	
23 05 29 00-0109	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	94.06	43.25
		For Work In Restricted Working Space, Add	*25.95*	
		For 304 Stainless Steel, Add	*38.56*	
		For 316 Stainless Steel, Add	*47.25*	
23 05 29 00-0110		Roller Hangers *(23 05 29 00-0001)*		
23 05 29 00-0111		Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*		
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	37.11	11.24
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0113	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	41.02	12.64
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*7.59*	
23 05 29 00-0114	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	46.09	14.75
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*8.85*	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	52.95	16.86
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*10.12*	
23 05 29 00-0116	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	70.34	18.97
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*11.38*	
23 05 29 00-0117	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	65.50	21.08
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*12.65*	
23 05 29 00-0118	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	80.90	25.30
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*15.18*	
23 05 29 00-0119	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	106.04	29.51
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*17.71*	
23 05 29 00-0120	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	125.80	35.13
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*21.08*	
23 05 29 00-0121		Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*		
		Note: Type 43.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0122	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	56.81	19.83
		For Work In Restricted Working Space, Add	*11.44*	
		For 304 Stainless Steel, Add	*95.22*	
		For 316 Stainless Steel, Add	*116.69*	
23 05 29 00-0123	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	59.56	20.44
		For Work In Restricted Working Space, Add	*12.27*	
		For 304 Stainless Steel, Add	*95.22*	
		For 316 Stainless Steel, Add	*116.69*	
23 05 29 00-0124	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	64.41	21.36
		For Work In Restricted Working Space, Add	*13.08*	
		For 304 Stainless Steel, Add	*106.18*	
		For 316 Stainless Steel, Add	*130.13*	
23 05 29 00-0125	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	73.49	22.89
		For Work In Restricted Working Space, Add	*13.73*	
		For 304 Stainless Steel, Add	*141.37*	
		For 316 Stainless Steel, Add	*173.25*	
23 05 29 00-0126	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	78.58	25.93
		For Work In Restricted Working Space, Add	*15.26*	
		For 304 Stainless Steel, Add	*141.37*	
		For 316 Stainless Steel, Add	*173.25*	
23 05 29 00-0127	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	88.20	27.92
		For Work In Restricted Working Space, Add	*16.75*	
		For 304 Stainless Steel, Add	*165.04*	
		For 316 Stainless Steel, Add	*202.25*	
23 05 29 00-0128	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	101.21	30.51
		For Work In Restricted Working Space, Add	*18.31*	
		For 304 Stainless Steel, Add	*204.97*	
		For 316 Stainless Steel, Add	*251.19*	
23 05 29 00-0129	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	136.43	38.14
		For Work In Restricted Working Space, Add	*22.88*	
		For 304 Stainless Steel, Add	*306.77*	
		For 316 Stainless Steel, Add	*375.94*	
23 05 29 00-0130	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	173.37	51.87
		For Work In Restricted Working Space, Add	*30.51*	
		For 304 Stainless Steel, Add	*365.47*	
		For 316 Stainless Steel, Add	*447.88*	
23 05 29 00-0131	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	219.76	57.21
		For Work In Restricted Working Space, Add	*34.33*	
		For 304 Stainless Steel, Add	*537.23*	
		For 316 Stainless Steel, Add	*658.38*	
23 05 29 00-0132	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	423.12	65.60
		For Work In Restricted Working Space, Add	*39.36*	
		For 304 Stainless Steel, Add	*1,488.79*	
		For 316 Stainless Steel, Add	*1,824.50*	
23 05 29 00-0133	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	527.28	76.28
		For Work In Restricted Working Space, Add	*45.77*	
		For 304 Stainless Steel, Add	*1,911.07*	
		For 316 Stainless Steel, Add	*2,342.00*	

23 05 29 00-0134 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0135 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0134)*

Note: Type 4.

23 05 29 00-0136	EA	1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	23.03	9.35
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0137	EA	3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	23.34	9.50
		For Work In Restricted Working Space, Add	*5.70*	
23 05 29 00-0138	EA	1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	23.68	9.66
		For Work In Restricted Working Space, Add	*5.79*	
23 05 29 00-0139	EA	1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	25.32	9.81
		For Work In Restricted Working Space, Add	*5.89*	
23 05 29 00-0140	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	25.63	9.96
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0141	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	26.94	10.12
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0142	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	27.96	10.43
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0143	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	29.41	10.74
		For Work In Restricted Working Space, Add	*6.44*	
23 05 29 00-0144	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	33.01	10.89
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0145	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	39.24	14.01
		For Work In Restricted Working Space, Add	*8.41*	
23 05 29 00-0146	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	55.27	18.68
		For Work In Restricted Working Space, Add	*11.21*	
23 05 29 00-0147	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	74.16	23.35
		For Work In Restricted Working Space, Add	*14.01*	
23 05 29 00-0148	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	87.11	27.24
		For Work In Restricted Working Space, Add	*16.34*	
23 05 29 00-0149	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	121.09	31.13
		For Work In Restricted Working Space, Add	*18.68*	
23 05 29 00-0150	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	159.47	34.25
		For Work In Restricted Working Space, Add	*20.55*	
23 05 29 00-0151	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	245.48	37.36
		For Work In Restricted Working Space, Add	*22.42*	
23 05 29 00-0152	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	266.07	40.48
		For Work In Restricted Working Space, Add	*24.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0153	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	416.97	43.59
		For Work In Restricted Working Space, Add	*26.15*	
23 05 29 00-0154	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	479.62	46.71
		For Work In Restricted Working Space, Add	*28.02*	
23 05 29 00-0155	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	618.56	51.37
		For Work In Restricted Working Space, Add	*30.83*	
23 05 29 00-0156		Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0134)*		
		Note: Type 8.		
23 05 29 00-0157	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	22.74	8.65
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0158	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.52	8.79
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0159	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.88	8.94
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0160	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	25.43	9.08
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0161	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	26.28	9.22
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0162	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	26.87	9.37
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-0163	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	27.94	9.66
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0164	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	29.41	9.95
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-0165	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	31.75	10.09
		For Work In Restricted Working Space, Add	*6.05*	
23 05 29 00-0166	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	39.05	12.98
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0167	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	50.85	17.30
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0168	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	64.27	21.63
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-0169	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	84.88	25.22
		For Work In Restricted Working Space, Add	*15.14*	
23 05 29 00-0170	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	108.60	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0171	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	129.23	31.72
		For Work In Restricted Working Space, Add	*19.03*	
23 05 29 00-0172	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	168.18	34.60
		For Work In Restricted Working Space, Add	*20.76*	
23 05 29 00-0173	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	300.91	37.48
		For Work In Restricted Working Space, Add	*22.49*	
23 05 29 00-0174		Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0134)*		
23 05 29 00-0175	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.67	8.65
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0176	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	36.21	8.79
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0177	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.58	8.94
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0178	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	39.86	9.08
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0179	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	44.31	9.22
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0180	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	46.79	9.37
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-0181	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	50.33	9.66
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0182	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	54.84	9.95
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-0183	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	73.93	12.98
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0184		Copper Tubing Riser Clamp (Cooper B-Line B3373CT) *(23 05 29 00-0134)*		
23 05 29 00-0185	EA	1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	37.06	8.65
23 05 29 00-0186	EA	3/4" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	37.34	8.79
23 05 29 00-0187	EA	1" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	37.64	8.94
23 05 29 00-0188	EA	1-1/4" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	38.57	9.08
23 05 29 00-0189	EA	1-1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	43.36	9.22
23 05 29 00-0190	EA	2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	45.01	9.37
23 05 29 00-0191	EA	2-1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	50.26	9.66
23 05 29 00-0192	EA	3" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	55.68	9.95
23 05 29 00-0193	EA	3-1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	67.71	10.09
23 05 29 00-0194	EA	4" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	73.96	12.98
23 05 29 00-0195	EA	5" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	98.35	17.30
23 05 29 00-0196	EA	6" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	125.37	21.63
23 05 29 00-0197		Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0134)*		
		Note: Type 42		
23 05 29 00-0198	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	73.94	10.09
		For Work In Restricted Working Space, Add	*6.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0199	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	78.66	10.81
		For Work In Restricted Working Space, Add	*6.53*	
23 05 29 00-0200	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	86.10	11.53
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0201	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	91.37	11.53
		For Work In Restricted Working Space, Add	*6.90*	
23 05 29 00-0202	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	109.90	12.98
		For Work In Restricted Working Space, Add	*7.78*	
23 05 29 00-0203	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	324.06	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0204	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	432.79	17.30
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0205	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	515.42	20.18
		For Work In Restricted Working Space, Add	*12.11*	
23 05 29 00-0206	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	745.65	21.63
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-0207	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,023.20	23.07
		For Work In Restricted Working Space, Add	*13.84*	

23 05 29 00-0208 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0134)*

23 05 29 00-0209	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	68.76	10.09
		For Work In Restricted Working Space, Add	*6.01*	
23 05 29 00-0210	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	74.22	10.81
		For Work In Restricted Working Space, Add	*6.53*	
23 05 29 00-0211	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	124.71	11.53
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0212	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	137.79	11.53
		For Work In Restricted Working Space, Add	*6.90*	
23 05 29 00-0213	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	195.49	12.98
		For Work In Restricted Working Space, Add	*7.78*	
23 05 29 00-0214	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	296.12	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0215	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	395.86	17.30
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0216	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	470.89	20.18
		For Work In Restricted Working Space, Add	*12.11*	
23 05 29 00-0217	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	683.10	21.63
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-0218	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	930.62	23.07
		For Work In Restricted Working Space, Add	*13.84*	

23 05 29 00-0219 Split Pipe Clamps And Rings *(23 05 29 00-0001)*

23 05 29 00-0220 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0219)*

Note: Type 6.

23 05 29 00-0221	EA	3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	36.92	13.23
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0222	EA	1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	39.09	14.01
		For Work In Restricted Working Space, Add	*8.41*	
23 05 29 00-0223	EA	1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	42.74	15.57
		For Work In Restricted Working Space, Add	*9.34*	
23 05 29 00-0224	EA	1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	45.75	16.35
		For Work In Restricted Working Space, Add	*9.81*	
23 05 29 00-0225	EA	2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	49.07	17.12
		For Work In Restricted Working Space, Add	*10.28*	
23 05 29 00-0226	EA	2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	58.38	17.91
		For Work In Restricted Working Space, Add	*10.74*	
23 05 29 00-0227	EA	3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	63.42	18.68
		For Work In Restricted Working Space, Add	*11.21*	
23 05 29 00-0228	EA	4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	81.79	21.01
		For Work In Restricted Working Space, Add	*12.61*	
23 05 29 00-0229	EA	5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	103.83	26.47
		For Work In Restricted Working Space, Add	*15.88*	
23 05 29 00-0230	EA	6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	135.95	31.13
		For Work In Restricted Working Space, Add	*18.68*	

23 05 29 00-0231 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0219)*

Note: Type 11.

23 05 29 00-0232	EA	1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.74	10.96
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0233	EA	3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	27.08	10.96
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0234	EA	1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	29.94	14.09
		For Work In Restricted Working Space, Add	*7.83*	
23 05 29 00-0235	EA	1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	32.24	14.09
		For Work In Restricted Working Space, Add	*8.24*	
23 05 29 00-0236	EA	1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	35.27	14.09
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0237	EA	2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	40.56	15.66
		For Work In Restricted Working Space, Add	*9.39*	
23 05 29 00-0238	EA	2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	51.09	15.66
		For Work In Restricted Working Space, Add	*9.79*	
23 05 29 00-0239	EA	3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	56.05	17.22
		For Work In Restricted Working Space, Add	*10.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0240	EA	4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	60.02	18.78
		For Work In Restricted Working Space, Add	*11.18*	

23 05 29 00-0241 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0219)*

Note: Type 12.

23 05 29 00-0242	EA	1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.74	10.96
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0243	EA	3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	27.08	11.74
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0244	EA	1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	29.94	13.31
		For Work In Restricted Working Space, Add	*7.83*	
23 05 29 00-0245	EA	1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	32.24	14.09
		For Work In Restricted Working Space, Add	*8.24*	
23 05 29 00-0246	EA	1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	35.27	14.09
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0247	EA	2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	40.56	15.66
		For Work In Restricted Working Space, Add	*9.39*	
23 05 29 00-0248	EA	2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	51.09	16.43
		For Work In Restricted Working Space, Add	*9.79*	
23 05 29 00-0249	EA	3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	56.05	17.22
		For Work In Restricted Working Space, Add	*10.21*	

23 05 29 00-0250 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0251 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0250)*

23 05 29 00-0252	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.66	7.83
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0253	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.48	9.39
		For Work In Restricted Working Space, Add	*4.94*	
23 05 29 00-0254	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	19.39	9.39
		For Work In Restricted Working Space, Add	*5.22*	
23 05 29 00-0255	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	20.52	9.39
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0256	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	21.73	10.96
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0257	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	24.43	10.96
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0258	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	28.79	10.96
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0259	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	35.33	10.96
		For Work In Restricted Working Space, Add	*7.22*	
23 05 29 00-0260	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	41.72	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0261	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	49.99	15.66
		For Work In Restricted Working Space, Add	*9.39*	
23 05 29 00-0262	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	60.75	17.22
		For Work In Restricted Working Space, Add	*10.33*	

23 05 29 00-0263 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0250)*

23 05 29 00-0264	EA	1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	8.50	
		For Work In Restricted Working Space, Add	*2.35*	
23 05 29 00-0265	EA	3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.01	
		For Work In Restricted Working Space, Add	*2.47*	
23 05 29 00-0266	EA	1" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.99	
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0267	EA	1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	10.99	
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0268	EA	1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	11.76	
		For Work In Restricted Working Space, Add	*2.82*	
23 05 29 00-0269	EA	2" Diameter Size, Two Hole Copper-Clad Pipe Strap	12.77	
		For Work In Restricted Working Space, Add	*3.05*	

23 05 29 00-0270 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0250)*

23 05 29 00-0271	EA	1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.50	
		For Work In Restricted Working Space, Add	*0.78*	
23 05 29 00-0272	EA	3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.05	
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0273	EA	1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.36	
		For Work In Restricted Working Space, Add	*0.90*	
23 05 29 00-0274	EA	1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.70	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0275	EA	1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	5.07	
		For Work In Restricted Working Space, Add	*1.07*	
23 05 29 00-0276	EA	2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	5.63	
		For Work In Restricted Working Space, Add	*1.17*	

23 05 29 00-0277 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

23 05 29 00-0278 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0277)*

Note: Up to 750# load.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0279	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	124.23	17.30
		For Galvanized, Add	*17.93*	
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0280	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	125.87	17.30
		For Galvanized, Add	*18.25*	
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0281	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	132.35	17.30
		For Galvanized, Add	*19.55*	
		For Work In Restricted Working Space, Add	*10.38*	

23 05 29 00-0282 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0277)*

Note: Up to 1500# load.

23 05 29 00-0283	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	282.61	17.30
		For Galvanized, Add	*49.60*	
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0284	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	329.24	17.30
		For Galvanized, Add	*58.93*	
		For Work In Restricted Working Space, Add	*10.38*	
23 05 29 00-0285	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	424.31	17.30
		For Galvanized, Add	*77.94*	
		For Work In Restricted Working Space, Add	*10.38*	

23 05 29 00-0286 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0287 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0286)*

23 05 29 00-0288	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	467.58	27.39
23 05 29 00-0289	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	469.03	28.11
23 05 29 00-0290	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	470.47	28.83
23 05 29 00-0291	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	471.91	29.55
23 05 29 00-0292	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	513.56	30.28
23 05 29 00-0293	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	525.58	33.16
23 05 29 00-0294	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	527.74	34.24
23 05 29 00-0295	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	529.90	35.32
23 05 29 00-0296	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	560.91	37.48
23 05 29 00-0297	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	656.79	47.58
23 05 29 00-0298	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	676.98	57.67
23 05 29 00-0299	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	767.96	72.09
23 05 29 00-0300	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,387.27	86.50
23 05 29 00-0301	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,099.92	115.33
23 05 29 00-0302	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,585.64	144.16
23 05 29 00-0303	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,102.73	161.46
23 05 29 00-0304	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,350.79	180.20
23 05 29 00-0305	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,571.33	206.15
23 05 29 00-0306	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,469.37	216.25

23 05 29 00-0307 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0286)*

23 05 29 00-0308	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	469.03	28.11
23 05 29 00-0309	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	510.68	28.83
23 05 29 00-0310	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	512.12	29.55
23 05 29 00-0311	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	513.56	30.28
23 05 29 00-0312	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	515.00	30.99
23 05 29 00-0313	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	527.02	33.88
23 05 29 00-0314	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	529.18	34.96
23 05 29 00-0315	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	558.03	36.04
23 05 29 00-0316	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	562.35	38.20
23 05 29 00-0317	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	658.96	48.66
23 05 29 00-0318	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	679.86	59.11
23 05 29 00-0319	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	771.57	73.88
23 05 29 00-0320	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,391.60	88.66
23 05 29 00-0321	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,105.69	118.21
23 05 29 00-0322	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,592.85	147.77
23 05 29 00-0323	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,111.38	165.79
23 05 29 00-0324	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,359.44	184.53
23 05 29 00-0325	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,581.42	211.20
23 05 29 00-0326	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,480.18	221.65

23 05 29 00-0327 Pipe Alignment Guide, 2" Insulation *(23 05 29 00-0286)*

23 05 29 00-0328	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	510.68	28.83
23 05 29 00-0329	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	518.37	29.55
23 05 29 00-0330	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	519.81	30.28
23 05 29 00-0331	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	521.25	30.99
23 05 29 00-0332	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	522.70	31.72
23 05 29 00-0333	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	555.14	34.60
23 05 29 00-0334	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	558.03	36.04
23 05 29 00-0335	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	559.82	36.94
23 05 29 00-0336	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	639.50	38.93
23 05 29 00-0337	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	661.12	49.73
23 05 29 00-0338	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	744.89	60.55
23 05 29 00-0339	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	844.01	75.68
23 05 29 00-0340	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,395.93	90.82
23 05 29 00-0341	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,111.46	121.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0342	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,600.06	151.37
23 05 29 00-0343	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,119.71	169.95
23 05 29 00-0344	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,368.80	189.22
23 05 29 00-0345	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,591.51	216.25
23 05 29 00-0346	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,491.00	227.05

23 05 29 00-0347 Pipe Alignment Guide, 2-1/2" Insulation *(23 05 29 00-0286)*

23 05 29 00-0348	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	518.37	29.55
23 05 29 00-0349	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	546.49	30.28
23 05 29 00-0350	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	547.93	30.99
23 05 29 00-0351	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	549.38	31.72
23 05 29 00-0352	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	550.82	32.43
23 05 29 00-0353	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	556.58	35.32
23 05 29 00-0354	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	559.82	36.94
23 05 29 00-0355	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	637.33	37.85
23 05 29 00-0356	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	640.94	39.64
23 05 29 00-0357	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	724.71	50.46
23 05 29 00-0358	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	747.78	61.99
23 05 29 00-0359	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,369.26	77.49
23 05 29 00-0360	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,055.23	92.99
23 05 29 00-0361	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,545.28	123.98
23 05 29 00-0362	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,607.70	154.98
23 05 29 00-0363	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,128.68	174.44
23 05 29 00-0364	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,378.18	193.89
23 05 29 00-0365	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,602.32	221.65
23 05 29 00-0366	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,502.52	232.82

23 05 29 00-0367 Pipe Alignment Guide, 3" Insulation *(23 05 29 00-0286)*

23 05 29 00-0368	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	546.49	30.28
23 05 29 00-0369	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	547.93	30.99
23 05 29 00-0370	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	549.38	31.72
23 05 29 00-0371	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	550.82	32.43
23 05 29 00-0372	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	552.26	33.16
23 05 29 00-0373	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	633.74	36.04
23 05 29 00-0374	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	637.33	37.85
23 05 29 00-0375	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	639.50	38.93
23 05 29 00-0376	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	705.11	40.65
23 05 29 00-0377	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	727.59	51.90
23 05 29 00-0378	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	819.50	63.44
23 05 29 00-0379	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,372.86	79.29
23 05 29 00-0380	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,059.56	95.14
23 05 29 00-0381	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,551.05	126.86
23 05 29 00-0382	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,614.91	158.58
23 05 29 00-0383	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,137.33	178.76
23 05 29 00-0384	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,386.83	198.22
23 05 29 00-0385	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,613.14	227.05
23 05 29 00-0386	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,514.06	238.59

23 05 29 00-0387 Pipe Alignment Guide, 3-1/2" Insulation *(23 05 29 00-0286)*

23 05 29 00-0388	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	547.93	30.99
23 05 29 00-0389	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	625.09	31.72
23 05 29 00-0390	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	626.53	32.43
23 05 29 00-0391	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	627.97	33.16
23 05 29 00-0392	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	629.41	33.88
23 05 29 00-0393	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	635.53	36.94
23 05 29 00-0394	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	639.21	38.77
23 05 29 00-0395	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	703.60	39.89
23 05 29 00-0396	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	707.42	41.81
23 05 29 00-0397	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	799.32	53.34
23 05 29 00-0398	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,344.02	64.88
23 05 29 00-0399	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,031.45	81.09
23 05 29 00-0400	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,492.80	97.52
23 05 29 00-0401	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	3,039.31	129.74
23 05 29 00-0402	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,104.90	162.54
23 05 29 00-0403	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,366.48	183.09
23 05 29 00-0404	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,565.56	203.27
23 05 29 00-0405	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,501.08	232.10

23 05 29 00-0406 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0286)*

23 05 29 00-0407	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	625.09	31.72
23 05 29 00-0408	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	626.53	32.43
23 05 29 00-0409	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	627.97	33.16
23 05 29 00-0410	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	629.41	33.88
23 05 29 00-0411	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	630.85	34.60
23 05 29 00-0412	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	699.48	37.85
23 05 29 00-0413	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	703.09	39.64
23 05 29 00-0414	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	705.54	40.87
23 05 29 00-0415	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	778.42	42.89
23 05 29 00-0416	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,323.84	54.78
23 05 29 00-0417	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,346.91	66.32
23 05 29 00-0418	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,035.05	82.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0419	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,498.14	100.19
23 05 29 00-0420	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,045.79	132.99
23 05 29 00-0421	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,321.95	165.79
23 05 29 00-0422	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,533.84	187.41
23 05 29 00-0423	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,454.96	209.04

23 05 29 00-0424 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0425	EA	1-1/2" Diameter Size, Sway Bracing	164.74	19.03
		For Work In Restricted Working Space, Add	*11.38*	
23 05 29 00-0426	EA	2" Diameter Size, Sway Bracing	169.87	20.04
		For Work In Restricted Working Space, Add	*12.02*	
23 05 29 00-0427	EA	3" Diameter Size, Sway Bracing	176.07	21.19
		For Work In Restricted Working Space, Add	*12.72*	
23 05 29 00-0428	EA	4" Diameter Size, Sway Bracing	199.84	24.08
		For Work In Restricted Working Space, Add	*14.42*	
23 05 29 00-0429	EA	6" Diameter Size, Sway Bracing	293.44	36.04
		For Work In Restricted Working Space, Add	*21.63*	
23 05 29 00-0430	EA	8" Diameter Size, Sway Bracing	326.48	44.98
		For Work In Restricted Working Space, Add	*27.03*	
23 05 29 00-0431	EA	10" Diameter Size, Sway Bracing	370.66	60.12
		For Work In Restricted Working Space, Add	*36.04*	

23 05 29 00-0432 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0433	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	375.13	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0434	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	383.64	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0435	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	743.98	18.02
		For Work In Restricted Working Space, Add	*10.81*	
23 05 29 00-0436	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	914.75	20.18
		For Work In Restricted Working Space, Add	*12.11*	
23 05 29 00-0437	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	926.78	22.34
		For Work In Restricted Working Space, Add	*13.41*	
23 05 29 00-0438	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,017.30	25.22
		For Work In Restricted Working Space, Add	*15.14*	
23 05 29 00-0439	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,215.71	27.39
		For Work In Restricted Working Space, Add	*16.43*	
23 05 29 00-0440	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,230.20	29.55
		For Work In Restricted Working Space, Add	*17.73*	
23 05 29 00-0441	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,248.76	32.43
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0442	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,299.67	35.32
		For Work In Restricted Working Space, Add	*21.19*	
23 05 29 00-0443	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,390.59	38.93
		For Work In Restricted Working Space, Add	*23.36*	
23 05 29 00-0444	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,432.16	43.25
		For Work In Restricted Working Space, Add	*25.95*	
23 05 29 00-0445	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,745.30	47.58
		For Work In Restricted Working Space, Add	*28.54*	
23 05 29 00-0446	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,900.94	53.34
		For Work In Restricted Working Space, Add	*32.00*	
23 05 29 00-0447	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,687.47	59.11
		For Work In Restricted Working Space, Add	*35.46*	
23 05 29 00-0448	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,295.88	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 05 29 00-0449	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,943.24	70.64
		For Work In Restricted Working Space, Add	*42.38*	

23 05 29 00-0450 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0451 Rooftop Support Base *(23 05 29 00-0450)*

23 05 29 00-0452	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	45.59	11.74
23 05 29 00-0453	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	63.20	15.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0454		**Rooftop Support Base With 14 Gauge Galvanized Channel** *(23 05 29 00-0450)*		
23 05 29 00-0455	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	51.09	11.74
23 05 29 00-0456	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	72.15	15.66
23 05 29 00-0457	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	129.08	19.57
23 05 29 00-0458	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	176.83	23.48
23 05 29 00-0459	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	242.60	27.40
23 05 29 00-0460	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	256.92	31.31
23 05 29 00-0461		**Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0450)*		
23 05 29 00-0462	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	86.76	15.66
23 05 29 00-0463	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	135.60	19.57
23 05 29 00-0464	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	179.45	23.48
23 05 29 00-0465	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	242.75	27.40
23 05 29 00-0466	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	269.84	23.48
23 05 29 00-0467		**Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0450)*		
23 05 29 00-0468	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	144.11	23.48
23 05 29 00-0469	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	164.41	27.40
23 05 29 00-0470	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	172.19	31.31
23 05 29 00-0471	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	188.89	35.23
23 05 29 00-0472	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	239.12	39.14
23 05 29 00-0473		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0450)*		
23 05 29 00-0474	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	104.07	15.66
23 05 29 00-0475	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	104.07	15.66
23 05 29 00-0476	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	104.61	15.66
23 05 29 00-0477	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	113.00	19.57
23 05 29 00-0478	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	109.00	19.57
23 05 29 00-0479	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	114.14	19.57
23 05 29 00-0480		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0450)*		
23 05 29 00-0481	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	130.25	15.66
23 05 29 00-0482	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	144.61	15.66
23 05 29 00-0483	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	189.15	19.57
23 05 29 00-0484	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	247.84	19.57
23 05 29 00-0485	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	335.01	19.57
23 05 29 00-0486		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0450)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0487	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	164.01	23.48
23 05 29 00-0488		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0450)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0489	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	109.27	19.57
23 05 29 00-0490	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	147.59	23.48
23 05 29 00-0491	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	165.08	27.40
23 05 29 00-0492		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0450)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0493	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	384.03	31.31
23 05 29 00-0494	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	388.16	31.31
23 05 29 00-0495	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	402.65	31.31
23 05 29 00-0496	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	435.92	31.31
23 05 29 00-0497	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	376.65	31.31
23 05 29 00-0498	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	390.52	31.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0499	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	405.01	31.31
23 05 29 00-0500	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	438.26	31.31
23 05 29 00-0501	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	393.13	31.31
23 05 29 00-0502	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	397.97	31.31
23 05 29 00-0503	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	412.18	31.31
23 05 29 00-0504	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	445.58	31.31
23 05 29 00-0505	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	409.97	31.31
23 05 29 00-0506	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	414.38	31.31
23 05 29 00-0507	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	428.60	31.31
23 05 29 00-0508	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	462.00	31.31

23 05 29 00-0509 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0510 Threaded Rod And Rod Accessories *(23 05 29 00-0509)*

23 05 29 00-0511 Threaded Rod *(23 05 29 00-0510)*

Note: Fully threaded.

23 05 29 00-0512	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.16	0.99
		For Galvanized, Add	*0.88*	
		For Zinc Plated, Add	*0.63*	
		For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0513	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.60	1.05
		For Galvanized, Add	*1.40*	
		For Zinc Plated, Add	*1.00*	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0514	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.55	1.05
		For Galvanized, Add	*2.18*	
		For Zinc Plated, Add	*1.55*	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0515	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.06	1.08
		For Galvanized, Add	*3.96*	
		For Zinc Plated, Add	*2.82*	
		For Work In Restricted Working Space, Add	*0.65*	
23 05 29 00-0516	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.12	1.12
		For Galvanized, Add	*4.35*	
		For Zinc Plated, Add	*3.10*	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0517	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.81	1.27
		For Galvanized, Add	*6.11*	
		For Zinc Plated, Add	*4.35*	
		For Work In Restricted Working Space, Add	*0.76*	
23 05 29 00-0518	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.07	1.41
		For Galvanized, Add	*7.70*	
		For Zinc Plated, Add	*5.49*	
		For Work In Restricted Working Space, Add	*0.85*	

23 05 29 00-0519 Rod Couplings *(23 05 29 00-0510)*

23 05 29 00-0520	EA	3/8" Diameter, Threaded Rod Coupling Nut	11.15	
		For Work In Restricted Working Space, Add	*2.88*	
23 05 29 00-0521	EA	1/2" Diameter, Threaded Rod Coupling Nut	12.61	
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0522	EA	5/8" Diameter, Threaded Rod Coupling Nut	15.13	
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0523	EA	3/4" Diameter, Threaded Rod Coupling Nut	18.11	
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0524	EA	7/8" Diameter, Threaded Rod Coupling Nut	25.55	
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0525	EA	1" Diameter, Threaded Rod Coupling Nut	30.27	
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0526	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	55.11	
		For Work In Restricted Working Space, Add	*5.62*	

23 05 29 00-0527 Flat Washers *(23 05 29 00-0510)*

Note: Zinc plated.

23 05 29 00-0528	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.78	0.31
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0529	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.03	0.31
		For Galvanized, Add	*0.07*	
		For Work In Restricted Working Space, Add	*0.22*	
23 05 29 00-0530	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.41	0.45
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0531	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.90	0.45
		For Galvanized, Add	*0.20*	
		For Work In Restricted Working Space, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0532	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.23	0.61
		For Galvanized, Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0533	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.59	0.61
		For Galvanized, Add	*0.30*	
		For Work In Restricted Working Space, Add	*0.42*	
23 05 29 00-0534	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.92	0.77
		For Galvanized, Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.48*	

23 05 29 00-0535 Hex Nuts *(23 05 29 00-0510)*

Note: Grade 2 and zinc plated.

23 05 29 00-0536	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.00	0.39
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.27*	
23 05 29 00-0537	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.21	0.38
		For Galvanized, Add	*0.06*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0538	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.38
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.30*	
23 05 29 00-0539	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.82	0.77
		For Galvanized, Add	*0.19*	
		For Work In Restricted Working Space, Add	*0.32*	
23 05 29 00-0540	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.54	0.77
		For Galvanized, Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.34*	
23 05 29 00-0541	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.20	0.77
		For Galvanized, Add	*0.48*	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0542	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.06	0.77
		For Galvanized, Add	*0.91*	
		For Work In Restricted Working Space, Add	*0.42*	

23 05 29 00-0543 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0510)*

Note: Type 13.

23 05 29 00-0544	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202)	30.25	7.83
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0545	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202)	35.53	8.61
		For Work In Restricted Working Space, Add	*5.22*	
23 05 29 00-0546	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202)	38.04	9.16
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0547	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202)	47.20	10.68
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0548	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202)	60.25	11.44
		For Work In Restricted Working Space, Add	*7.63*	
23 05 29 00-0549	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202)	74.46	12.20
		For Work In Restricted Working Space, Add	*9.15*	
23 05 29 00-0550	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202)	102.02	13.73
		For Work In Restricted Working Space, Add	*11.44*	

23 05 29 00-0551 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0510)*

Note: Type 15.

23 05 29 00-0552	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	21.03	7.83
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0553	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	24.09	8.77
		For Work In Restricted Working Space, Add	*5.22*	
23 05 29 00-0554	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	30.31	9.46
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0555	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	36.26	10.83
		For Work In Restricted Working Space, Add	*6.54*	

23 05 29 00-0556 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0510)*

Note: Type 14.

23 05 29 00-0557	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201)	93.22	14.42
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0558	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)	133.57	15.13
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0559	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)	144.22	15.86
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0560	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)	150.36	17.30
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0561	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)	159.13	19.46
		For Work In Restricted Working Space, Add	*11.53*	
23 05 29 00-0562	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)	260.77	25.22
		For Work In Restricted Working Space, Add	*15.14*	
23 05 29 00-0563	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)	283.97	28.83
		For Work In Restricted Working Space, Add	*17.30*	
23 05 29 00-0564	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)	336.10	36.04
		For Work In Restricted Working Space, Add	*21.62*	

23 05 29 00-0565 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0510)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0566	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	30.53	8.45
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0567	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	31.43	8.61
		For Work In Restricted Working Space, Add	*5.18*	
23 05 29 00-0568	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	32.34	8.77
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0569	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	32.67	8.93
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0570	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	34.50	9.24
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0571	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	36.67	9.86
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0572	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	38.24	10.33
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0573	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	40.98	10.80
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0574	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	43.13	11.28
		For Work In Restricted Working Space, Add	*6.75*	
23 05 29 00-0575	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	45.30	11.74
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0576	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	38.91	9.16
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0577	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	39.82	9.31
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-0578	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	40.79	9.46
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0579	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	41.70	9.61
		For Work In Restricted Working Space, Add	*5.79*	
23 05 29 00-0580	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	43.55	9.91
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0581	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	46.92	10.53
		For Work In Restricted Working Space, Add	*6.30*	
23 05 29 00-0582	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	49.71	10.98
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0583	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	53.08	11.44
		For Work In Restricted Working Space, Add	*6.91*	
23 05 29 00-0584	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	55.86	12.05
		For Work In Restricted Working Space, Add	*7.22*	
23 05 29 00-0585	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	58.64	12.51
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0586	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	51.12	10.22
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0587	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	52.63	10.38
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0588	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	54.17	10.53
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0589	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	55.12	10.83
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0590	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	57.59	11.14
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0591	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	61.59	11.60
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0592	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	65.57	12.20
		For Work In Restricted Working Space, Add	*7.30*	
23 05 29 00-0593	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	68.99	12.66
		For Work In Restricted Working Space, Add	*7.62*	
23 05 29 00-0594	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	72.99	13.27
		For Work In Restricted Working Space, Add	*7.93*	
23 05 29 00-0595	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	76.98	13.73
		For Work In Restricted Working Space, Add	*8.25*	
23 05 29 00-0596	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	62.14	11.60
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0597	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	64.28	11.75
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0598	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	65.82	12.05
		For Work In Restricted Working Space, Add	*7.20*	
23 05 29 00-0599	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	67.95	12.20
		For Work In Restricted Working Space, Add	*7.31*	
23 05 29 00-0600	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	71.62	12.51
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0601	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	76.81	13.12
		For Work In Restricted Working Space, Add	*7.85*	
23 05 29 00-0602	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	82.01	13.58
		For Work In Restricted Working Space, Add	*8.17*	
23 05 29 00-0603	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	87.82	14.19
		For Work In Restricted Working Space, Add	*8.49*	
23 05 29 00-0604	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	93.60	14.65
		For Work In Restricted Working Space, Add	*8.82*	
23 05 29 00-0605	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	98.81	15.26
		For Work In Restricted Working Space, Add	*9.14*	
23 05 29 00-0606	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	74.12	13.42
		For Work In Restricted Working Space, Add	*8.10*	
23 05 29 00-0607	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	76.84	13.73
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0608	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	79.00	13.88
		For Work In Restricted Working Space, Add	*8.32*	
23 05 29 00-0609	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	81.14	14.04
		For Work In Restricted Working Space, Add	*8.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0610	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	85.44	14.49
		For Work In Restricted Working Space, Add	*8.66*	
23 05 29 00-0611	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	92.45	14.95
		For Work In Restricted Working Space, Add	*9.00*	
23 05 29 00-0612	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	98.88	15.56
		For Work In Restricted Working Space, Add	*9.34*	
23 05 29 00-0613	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	105.89	16.17
		For Work In Restricted Working Space, Add	*9.68*	
23 05 29 00-0614	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	112.33	16.63
		For Work In Restricted Working Space, Add	*10.02*	
23 05 29 00-0615	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	118.75	17.24
		For Work In Restricted Working Space, Add	*10.35*	
23 05 29 00-0616	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	92.30	16.17
		For Work In Restricted Working Space, Add	*9.66*	
23 05 29 00-0617	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	95.08	16.32
		For Work In Restricted Working Space, Add	*9.79*	
23 05 29 00-0618	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	97.87	16.48
		For Work In Restricted Working Space, Add	*9.92*	
23 05 29 00-0619	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	100.65	16.78
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0620	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	106.18	17.24
		For Work In Restricted Working Space, Add	*10.30*	
23 05 29 00-0621	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	114.53	17.85
		For Work In Restricted Working Space, Add	*10.68*	
23 05 29 00-0622	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	122.89	18.46
		For Work In Restricted Working Space, Add	*11.06*	
23 05 29 00-0623	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	131.78	19.07
		For Work In Restricted Working Space, Add	*11.44*	
23 05 29 00-0624	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	140.12	19.68
		For Work In Restricted Working Space, Add	*11.82*	
23 05 29 00-0625	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	148.49	20.29
		For Work In Restricted Working Space, Add	*12.21*	

23 05 29 00-0626 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0510)*

23 05 29 00-0627	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	59.45	11.43
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0628	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	61.07	11.74
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0629	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	62.69	12.21
		For Work In Restricted Working Space, Add	*7.28*	
23 05 29 00-0630	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	63.68	12.68
		For Work In Restricted Working Space, Add	*7.58*	
23 05 29 00-0631	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	66.59	13.15
		For Work In Restricted Working Space, Add	*7.87*	
23 05 29 00-0632	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	70.55	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0633	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	73.47	15.02
		For Work In Restricted Working Space, Add	*9.04*	
23 05 29 00-0634	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	78.39	16.12
		For Work In Restricted Working Space, Add	*9.63*	
23 05 29 00-0635	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	74.67	12.36
		For Work In Restricted Working Space, Add	*7.41*	
23 05 29 00-0636	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	76.33	12.66
		For Work In Restricted Working Space, Add	*7.62*	
23 05 29 00-0637	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	78.03	12.97
		For Work In Restricted Working Space, Add	*7.82*	
23 05 29 00-0638	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	80.01	13.58
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0639	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	82.97	14.04
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0640	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	88.93	15.10
		For Work In Restricted Working Space, Add	*9.04*	
23 05 29 00-0641	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	93.93	16.02
		For Work In Restricted Working Space, Add	*9.65*	
23 05 29 00-0642	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	99.88	17.09
		For Work In Restricted Working Space, Add	*10.26*	
23 05 29 00-0643	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	98.14	13.73
		For Work In Restricted Working Space, Add	*8.28*	
23 05 29 00-0644	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	100.78	14.19
		For Work In Restricted Working Space, Add	*8.49*	
23 05 29 00-0645	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	103.46	14.49
		For Work In Restricted Working Space, Add	*8.70*	
23 05 29 00-0646	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	105.51	15.10
		For Work In Restricted Working Space, Add	*9.02*	
23 05 29 00-0647	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	109.50	15.56
		For Work In Restricted Working Space, Add	*9.33*	
23 05 29 00-0648	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	116.52	16.63
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0649	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	123.52	17.70
		For Work In Restricted Working Space, Add	*10.60*	
23 05 29 00-0650	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	129.56	18.76
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0651	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	122.88	15.56
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-0652	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	126.57	16.02
		For Work In Restricted Working Space, Add	*9.59*	
23 05 29 00-0653	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	129.24	16.32
		For Work In Restricted Working Space, Add	*9.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0654	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	133.27	16.93
		For Work In Restricted Working Space, Add	*10.13*	
23 05 29 00-0655	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	139.27	17.39
		For Work In Restricted Working Space, Add	*10.46*	
23 05 29 00-0656	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	148.29	18.46
		For Work In Restricted Working Space, Add	*11.11*	
23 05 29 00-0657	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	157.32	19.53
		For Work In Restricted Working Space, Add	*11.76*	
23 05 29 00-0658	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	167.36	20.75
		For Work In Restricted Working Space, Add	*12.41*	
23 05 29 00-0659	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	147.13	18.00
		For Work In Restricted Working Space, Add	*10.84*	
23 05 29 00-0660	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	151.82	18.46
		For Work In Restricted Working Space, Add	*11.07*	
23 05 29 00-0661	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	155.52	18.76
		For Work In Restricted Working Space, Add	*11.29*	
23 05 29 00-0662	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	159.59	19.38
		For Work In Restricted Working Space, Add	*11.63*	
23 05 29 00-0663	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	166.64	19.98
		For Work In Restricted Working Space, Add	*11.97*	
23 05 29 00-0664	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	178.70	21.05
		For Work In Restricted Working Space, Add	*12.65*	
23 05 29 00-0665	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	189.78	22.27
		For Work In Restricted Working Space, Add	*13.32*	
23 05 29 00-0666	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	201.84	23.34
		For Work In Restricted Working Space, Add	*14.00*	
23 05 29 00-0667	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	186.44	21.51
		For Work In Restricted Working Space, Add	*12.92*	
23 05 29 00-0668	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	191.22	21.97
		For Work In Restricted Working Space, Add	*13.17*	
23 05 29 00-0669	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	195.99	22.42
		For Work In Restricted Working Space, Add	*13.43*	
23 05 29 00-0670	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	201.20	23.04
		For Work In Restricted Working Space, Add	*13.81*	
23 05 29 00-0671	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	210.28	23.65
		For Work In Restricted Working Space, Add	*14.19*	
23 05 29 00-0672	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	224.63	24.87
		For Work In Restricted Working Space, Add	*14.95*	
23 05 29 00-0673	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	238.99	26.24
		For Work In Restricted Working Space, Add	*15.72*	
23 05 29 00-0674	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	254.22	27.46
		For Work In Restricted Working Space, Add	*16.48*	

23 05 29 00-0675 Attachments *(23 05 29 00-0509)*

23 05 29 00-0676 Welded Beam Attachments (Cooper B-Line B-3083) *(23 05 29 00-0675)*

Note: Type 22.

23 05 29 00-0677	EA	3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	64.31	14.55
		For Work In Restricted Working Space, Add	*8.73*	
23 05 29 00-0678	EA	1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	67.83	14.90
		For Work In Restricted Working Space, Add	*8.96*	
23 05 29 00-0679	EA	5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	72.22	15.75
		For Work In Restricted Working Space, Add	*9.46*	
23 05 29 00-0680	EA	3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	92.33	16.74
		For Work In Restricted Working Space, Add	*10.02*	
23 05 29 00-0681	EA	7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	110.90	17.74
		For Work In Restricted Working Space, Add	*10.64*	
23 05 29 00-0682	EA	1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	155.68	20.29
		For Work In Restricted Working Space, Add	*12.16*	
23 05 29 00-0683	EA	1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	220.85	21.28
		For Work In Restricted Working Space, Add	*12.77*	

23 05 29 00-0684 C-Clamp Style Beam Clamps (Cooper B-Line B-3034) *(23 05 29 00-0675)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0685	EA	3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	23.88	7.98
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0686	EA	1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	27.79	9.91
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0687	EA	5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	31.49	10.68
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0688	EA	3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	40.28	11.44
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0689	EA	7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	58.09	12.20
		For Work In Restricted Working Space, Add	*7.63*	

23 05 29 00-0690 Bottom Mount I-Beam Clamps (Cooper B-Line B-3055) *(23 05 29 00-0675)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0691	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	63.88	10.96
		For Work In Restricted Working Space, Add	*7.83*	
23 05 29 00-0692	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	92.50	13.73
		For Work In Restricted Working Space, Add	*8.32*	
23 05 29 00-0693	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	131.77	15.26
		For Work In Restricted Working Space, Add	*9.15*	
23 05 29 00-0694	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	157.60	16.78
		For Work In Restricted Working Space, Add	*10.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0695	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	379.71	18.31
		For Work In Restricted Working Space, Add	*11.44*	

23 05 29 00-0696 Steel U-Bolts (Cooper B-Line B-3188) *(23 05 29 00-0675)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0697	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	19.44	3.91
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0698	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	21.06	4.70
		For Work In Restricted Working Space, Add	*4.94*	
23 05 29 00-0699	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	22.64	4.70
		For Work In Restricted Working Space, Add	*5.22*	
23 05 29 00-0700	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	25.65	4.70
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0701	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	26.53	5.48
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0702	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	28.38	5.48
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0703	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	40.36	5.48
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0704	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	44.45	6.26
		For Work In Restricted Working Space, Add	*7.22*	
23 05 29 00-0705	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	53.50	7.04
		For Work In Restricted Working Space, Add	*7.83*	

23 05 29 00-0706 Copper Standoff Brackets With Flange *(23 05 29 00-0675)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0707	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	45.26	21.82
		For Work In Restricted Working Space, Add	*13.08*	
23 05 29 00-0708	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	45.36	21.82
		For Work In Restricted Working Space, Add	*13.08*	
23 05 29 00-0709	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	45.46	21.82
		For Work In Restricted Working Space, Add	*13.08*	
23 05 29 00-0710	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	48.31	23.19
		For Work In Restricted Working Space, Add	*13.87*	
23 05 29 00-0711	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	48.51	23.19
		For Work In Restricted Working Space, Add	*13.87*	

23 05 29 00-0712 Malleable Iron Eye Sockets (Cooper B-Line B-3222) *(23 05 29 00-0675)*

Note: Type 16.

23 05 29 00-0713	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	14.14	2.29
		For Work In Restricted Working Space, Add	*1.39*	
23 05 29 00-0714	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	18.05	3.06
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0715	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	30.70	3.06
		For Work In Restricted Working Space, Add	*1.85*	
23 05 29 00-0716	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	43.09	3.06
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0717	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	46.61	3.81
		For Work In Restricted Working Space, Add	*2.29*	

23 05 29 00-0718 Steel Weldless Eye Nuts (Cooper B-Line B-3200) *(23 05 29 00-0675)*

Note: Type 17.

23 05 29 00-0719	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	45.31	2.29
		For Work In Restricted Working Space, Add	*1.39*	
23 05 29 00-0720	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	46.79	3.06
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0721	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	46.85	3.06
		For Work In Restricted Working Space, Add	*1.85*	
23 05 29 00-0722	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	46.79	3.06
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0723	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	90.85	3.36
		For Work In Restricted Working Space, Add	*2.06*	
23 05 29 00-0724	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	91.61	3.81
		For Work In Restricted Working Space, Add	*2.29*	

23 05 29 00-0725 Top Mount I-Beam Clamps (Cooper B-Line B-3042) *(23 05 29 00-0675)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0726	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	31.83	7.28
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0727	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	37.76	7.80
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0728	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	45.63	8.52
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0729	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	62.33	9.22
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0730	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	95.24	10.64
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0731	EA	3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	33.43	7.28
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0732	EA	1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	40.03	7.80
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0733	EA	5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	45.63	8.52
		For Work In Restricted Working Space, Add	*5.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0734	EA	3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	68.30	9.22
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0735	EA	7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	105.42	10.64
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0736	EA	3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	37.16	7.28
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0737	EA	1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	44.22	7.80
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0738	EA	5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	55.46	8.52
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0739	EA	3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	79.45	9.22
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0740	EA	7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	127.23	10.64
		For Work In Restricted Working Space, Add	*6.38*	

23 05 29 00-0741 Side Beam Brackets (Cooper B-Line B-3062) *(23 05 29 00-0675)*

Note: Type 34.

23 05 29 00-0742	EA	3/8" Diameter Rod Size, Side Beam Bracket	26.53	10.18
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0743	EA	1/2" Diameter Rod Size, Side Beam Bracket	30.66	9.91
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0744	EA	5/8" Diameter Rod Size, Side Beam Bracket	39.41	10.68
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0745	EA	3/4" Diameter Rod Size, Side Beam Bracket	69.02	11.44
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0746	EA	7/8" Diameter Rod Size, Side Beam Bracket	80.67	12.97
		For Work In Restricted Working Space, Add	*7.63*	

23 05 29 00-0747 Hex Lag Bolts *(23 05 29 00-0675)*

Note: Also known as coach screws.

23 05 29 00-0748	EA	3/8" Diameter x 3-1/2" Long, Hex Lag Bolt	4.01	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0749	EA	3/8" Diameter x 4" Long, Hex Lag Bolt	4.10	
		For Work In Restricted Working Space, Add	*1.01*	
23 05 29 00-0750	EA	3/8" Diameter x 6" Long, Hex Lag Bolt	4.54	
		For Work In Restricted Working Space, Add	*1.05*	
23 05 29 00-0751	EA	3/8" Diameter x 8" Long, Hex Lag Bolt	5.32	
		For Work In Restricted Working Space, Add	*1.09*	
23 05 29 00-0752	EA	3/8" Diameter x 10" Long, Hex Lag Bolt	5.64	
		For Work In Restricted Working Space, Add	*1.13*	
23 05 29 00-0753	EA	3/8" Diameter x 12" Long, Hex Lag Bolt	6.91	
		For Work In Restricted Working Space, Add	*1.17*	
23 05 29 00-0754	EA	1/2" Diameter x 3-1/2" Long, Hex Lag Bolt	5.35	
		For Work In Restricted Working Space, Add	*1.17*	
23 05 29 00-0755	EA	1/2" Diameter x 4" Long, Hex Lag Bolt	5.46	
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0756	EA	1/2" Diameter x 6" Long, Hex Lag Bolt	6.23	
		For Work In Restricted Working Space, Add	*1.28*	
23 05 29 00-0757	EA	1/2" Diameter x 8" Long, Hex Lag Bolt	7.11	
		For Work In Restricted Working Space, Add	*1.33*	
23 05 29 00-0758	EA	1/2" Diameter x 10" Long, Hex Lag Bolt	8.24	
		For Work In Restricted Working Space, Add	*1.40*	
23 05 29 00-0759	EA	1/2" Diameter x 12" Long, Hex Lag Bolt	8.81	
		For Work In Restricted Working Space, Add	*1.47*	
23 05 29 00-0760	EA	5/8" Diameter x 4" Long, Hex Lag Bolt	7.14	
		For Work In Restricted Working Space, Add	*1.31*	
23 05 29 00-0761	EA	3/4" Diameter x 5" Long, Hex Lag Bolt	8.20	
		For Work In Restricted Working Space, Add	*1.33*	

23 05 29 00-0762 Hanger Strap *(23 05 29 00-0509)*

23 05 29 00-0763	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	7.50	

23 05 29 00-0764 Shields And Saddles *(23 05 29)*

23 05 29 00-0765 Insulation Protection Shield *(23 05 29 00-0764)*

Note: Type 40.

23 05 29 00-0766 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0765)*

23 05 29 00-0767	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.26	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0768	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.53	3.71
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0769	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.93	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0770	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.66	3.80
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0771	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	21.40	3.89
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0772	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	25.23	3.98
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0773	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	28.71	4.07
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0774	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	34.15	4.16
		For Work In Restricted Working Space, Add	*4.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0775	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	42.55	4.21
		For Work In Restricted Working Space, Add	*4.21*	
23 05 29 00-0776	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	45.97	4.26
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0777	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	61.48	4.31
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0778	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	68.52	4.35
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0779	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	122.90	4.40
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0780	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	133.25	4.49
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0781	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	160.09	4.58
		For Work In Restricted Working Space, Add	*4.58*	

23 05 29 00-0782 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0765)*

23 05 29 00-0783	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.59	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0784	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.83	3.71
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0785	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.16	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0786	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.74	3.80
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0787	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	19.08	3.89
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0788	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	21.94	3.98
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0789	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	23.35	4.07
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0790	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	28.58	4.16
		For Work In Restricted Working Space, Add	*4.16*	
23 05 29 00-0791	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	33.40	4.21
		For Work In Restricted Working Space, Add	*4.21*	

23 05 29 00-0792 Pipe Covering Protection Saddle *(23 05 29 00-0764)*

Note: Sizes are pipe sizes.

23 05 29 00-0793 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0792)*

23 05 29 00-0794	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.33	5.02
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0795	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.47	5.06
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0796	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.61	5.10
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0797	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.79	5.20
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0798	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.93	5.24
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0799	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	29.80	5.32
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0800	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	32.58	5.41
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0801	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.95	5.49
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0802	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	39.86	5.66
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0803	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	47.42	5.88
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0804	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	52.35	5.96
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0805	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	60.98	5.96
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0806	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	66.06	6.17
		For Work In Restricted Working Space, Add	*6.17*	

23 05 29 00-0807 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0792)*

23 05 29 00-0808	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.15	5.02
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0809	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.29	5.06
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0810	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.43	5.10
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0811	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.42	5.20
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0812	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.52	5.24
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0813	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	35.77	5.32
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0814	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	36.36	5.41
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0815	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	40.61	5.41
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0816	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	45.12	5.66
		For Work In Restricted Working Space, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0817	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	52.58	5.88
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0818	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	58.45	5.96
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0819	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	68.52	6.08
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0820	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	74.52	6.17
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0821		**Saddle, For 2" Insulation (Cooper B-Line B3162)** *(23 05 29 00-0792)*		
23 05 29 00-0822	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.17	5.28
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0823	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.31	5.32
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0824	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.76	5.36
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0825	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	34.71	5.45
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0826	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.51	5.49
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0827	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.78	5.59
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0828	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	37.59	5.67
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0829	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	39.38	5.76
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0830	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	48.82	5.95
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0831	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	54.74	6.17
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0832	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	57.25	6.26
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0833	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	75.15	6.39
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0834	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	82.61	6.48
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0835	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	90.36	6.64
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0836	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	98.10	6.81
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0837	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	107.09	6.98
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0838	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	121.78	7.15
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0839		**Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)** *(23 05 29 00-0792)*		
23 05 29 00-0840	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.61	5.49
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0841	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.35	5.57
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0842	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	38.25	5.63
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-0843	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	39.27	5.72
		For Work In Restricted Working Space, Add	*5.70*	
23 05 29 00-0844	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	39.70	5.82
		For Work In Restricted Working Space, Add	*5.83*	
23 05 29 00-0845	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	45.28	5.90
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0846	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	51.16	6.08
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0847	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	58.80	6.32
		For Work In Restricted Working Space, Add	*6.30*	
23 05 29 00-0848	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	62.71	6.41
		For Work In Restricted Working Space, Add	*6.43*	
23 05 29 00-0849	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	77.10	6.54
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0850	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	90.43	6.64
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0851	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	104.01	6.80
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0852	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	110.25	6.97
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0853	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	117.17	7.15
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0854	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	124.08	7.33
		For Work In Restricted Working Space, Add	*7.32*	
23 05 29 00-0855		**Saddle, For 3" Insulation (Cooper B-Line B3164)** *(23 05 29 00-0792)*		
23 05 29 00-0856	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	39.49	5.76
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0857	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	42.72	5.86
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0858	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	44.41	5.95
		For Work In Restricted Working Space, Add	*5.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0859	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	46.09	6.04
		For Work In Restricted Working Space, Add	*6.05*	
23 05 29 00-0860	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	52.25	6.23
		For Work In Restricted Working Space, Add	*6.21*	
23 05 29 00-0861	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	64.31	6.46
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0862	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	69.27	6.55
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0863	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	88.44	6.69
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0864	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	104.52	6.80
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0865	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	120.62	6.95
		For Work In Restricted Working Space, Add	*6.94*	
23 05 29 00-0866	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	123.01	7.13
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0867	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	125.25	7.31
		For Work In Restricted Working Space, Add	*7.32*	
23 05 29 00-0868	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	157.35	7.49
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0869		**Saddle, For 4" Insulation (Cooper B-Line B3165)** *(23 05 29 00-0792)*		
23 05 29 00-0870	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	43.99	5.89
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0871	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.78	5.99
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0872	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	49.74	6.08
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0873	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	51.78	6.17
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0874	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	62.17	6.37
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0875	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	72.56	6.61
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0876	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	74.91	6.71
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0877	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	94.21	6.86
		For Work In Restricted Working Space, Add	*6.85*	
23 05 29 00-0878	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	113.15	6.94
		For Work In Restricted Working Space, Add	*6.94*	
23 05 29 00-0879	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	132.36	7.12
		For Work In Restricted Working Space, Add	*7.11*	
23 05 29 00-0880	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	160.61	7.29
		For Work In Restricted Working Space, Add	*7.28*	
23 05 29 00-0881	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	188.77	7.48
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0882	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	201.63	7.66
		For Work In Restricted Working Space, Add	*7.66*	
23 05 29 00-0883	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	212.04	7.87
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0884	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	219.75	8.06
		For Work In Restricted Working Space, Add	*8.05*	
23 05 29 00-0885		**Adjustable Pipe Saddle Support (Cooper B-Line B3096)** *(23 05 29 00-0764)*		
23 05 29 00-0886	EA	2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	97.63	19.07
23 05 29 00-0887	EA	3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	104.47	22.12
23 05 29 00-0888	EA	4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	126.30	25.18
23 05 29 00-0889	EA	5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	132.28	27.46
23 05 29 00-0890	EA	6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	146.80	30.51
23 05 29 00-0891	EA	8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	169.09	38.14
23 05 29 00-0892	EA	10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	221.74	51.11
23 05 29 00-0893	EA	12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	282.54	76.28
23 05 29 00-0894		**Pipe Stanchion Support (Cooper B-Line B3090)** *(23 05 29 00-0764)*		
23 05 29 00-0895	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	117.95	19.07
23 05 29 00-0896	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	123.40	22.12
23 05 29 00-0897	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	132.41	23.65
23 05 29 00-0898	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	135.98	25.18
23 05 29 00-0899	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	143.42	27.46
23 05 29 00-0900	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	152.93	30.51
23 05 29 00-0901	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	193.83	38.14
23 05 29 00-0902	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	261.10	51.11
23 05 29 00-0903	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	347.70	76.28
23 05 29 00-0904		**Pipe Saddle Support (Cooper B-Line B3095)** *(23 05 29 00-0764)*		
23 05 29 00-0905	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	66.43	19.07
23 05 29 00-0906	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	71.88	22.12
23 05 29 00-0907	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	102.53	23.65
23 05 29 00-0908	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	106.10	25.18
23 05 29 00-0909	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	116.33	27.46
23 05 29 00-0910	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	128.99	30.51
23 05 29 00-0911	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	149.96	38.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0912	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	178.97	51.11
23 05 29 00-0913	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	233.70	76.28
23 05 29 00-0914		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0764)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0915		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-0916	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.46	9.15
23 05 29 00-0917	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.81	9.15
23 05 29 00-0918	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.90	9.15
23 05 29 00-0919	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.25	9.15
23 05 29 00-0920	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.73	9.71
23 05 29 00-0921	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.72	9.99
23 05 29 00-0922	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.88	10.42
23 05 29 00-0923	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.15	10.83
23 05 29 00-0924	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.33	11.26
23 05 29 00-0925	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.68	9.71
23 05 29 00-0926	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.34	12.67
23 05 29 00-0927	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.57	14.92
23 05 29 00-0928	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.15	17.31
23 05 29 00-0929	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.54	17.87
23 05 29 00-0930		1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-0931	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.43	6.90
23 05 29 00-0932	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.15	6.90
23 05 29 00-0933	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.57	7.04
23 05 29 00-0934	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.21	7.18
23 05 29 00-0935	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.82	7.18
23 05 29 00-0936	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.88	7.46
23 05 29 00-0937	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.11	7.74
23 05 29 00-0938	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.76	7.88
23 05 29 00-0939	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.11	8.58
23 05 29 00-0940	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.26	14.77
23 05 29 00-0941	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.16	11.11
23 05 29 00-0942	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.51	13.09
23 05 29 00-0943	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.31	15.06
23 05 29 00-0944	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.10	18.15
23 05 29 00-0945		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-0946	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.95	7.88
23 05 29 00-0947	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.23	7.88
23 05 29 00-0948	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.03	8.02
23 05 29 00-0949	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.73	8.16
23 05 29 00-0950	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.46	8.30
23 05 29 00-0951	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.46	8.58
23 05 29 00-0952	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.91	8.86
23 05 29 00-0953	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.26	9.15
23 05 29 00-0954	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.24	9.71
23 05 29 00-0955	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.01	10.97
23 05 29 00-0956	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.38	18.72
23 05 29 00-0957	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.16	21.67
23 05 29 00-0958	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.27	25.62
23 05 29 00-0959	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	84.41	28.71
23 05 29 00-0960	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	94.34	32.36
23 05 29 00-0961	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	108.24	38.00
23 05 29 00-0962	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	120.20	42.22
23 05 29 00-0963	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	135.84	47.84
23 05 29 00-0964		2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-0965	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.45	9.15
23 05 29 00-0966	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.76	9.15
23 05 29 00-0967	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.74	9.29
23 05 29 00-0968	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.44	9.43
23 05 29 00-0969	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.18	9.43
23 05 29 00-0970	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.43	9.85
23 05 29 00-0971	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.06	10.14
23 05 29 00-0972	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.61	10.56
23 05 29 00-0973	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.97	11.11
23 05 29 00-0974	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.47	12.67
23 05 29 00-0975	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.50	14.07
23 05 29 00-0976	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.15	16.19
23 05 29 00-0977	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.29	20.12
23 05 29 00-0978	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.96	22.10
23 05 29 00-0979	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	103.59	28.15
23 05 29 00-0980	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	110.99	29.55
23 05 29 00-0981	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	126.10	33.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0982	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	148.93	40.81
23 05 29 00-0983		3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-0984	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.51	9.43
23 05 29 00-0985	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.56	9.85
23 05 29 00-0986	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.98	9.85
23 05 29 00-0987	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.56	10.14
23 05 29 00-0988	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.40	10.42
23 05 29 00-0989	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.47	10.56
23 05 29 00-0990	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.19	10.83
23 05 29 00-0991	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.49	11.54
23 05 29 00-0992	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.39	11.96
23 05 29 00-0993	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.82	14.63
23 05 29 00-0994	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	127.19	16.05
23 05 29 00-0995	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	151.18	16.88
23 05 29 00-0996	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	173.84	21.81
23 05 29 00-0997	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	195.57	23.22
23 05 29 00-0998	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	234.83	30.96
23 05 29 00-0999	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	252.75	33.78
23 05 29 00-1000	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	286.17	36.59
23 05 29 00-1001	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	336.26	45.03
23 05 29 00-1002		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-1003	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.45	9.15
23 05 29 00-1004	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.16	11.11
23 05 29 00-1005	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.52	11.11
23 05 29 00-1006	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.32	11.26
23 05 29 00-1007	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.33	11.40
23 05 29 00-1008	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.65	11.82
23 05 29 00-1009	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.64	12.24
23 05 29 00-1010	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.38	12.67
23 05 29 00-1011	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.60	13.37
23 05 29 00-1012	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.15	15.20
23 05 29 00-1013	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.75	16.88
23 05 29 00-1014	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	80.59	19.42
23 05 29 00-1015	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	92.74	24.20
23 05 29 00-1016	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.37	26.45
23 05 29 00-1017	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	124.32	33.78
23 05 29 00-1018	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	133.20	35.46
23 05 29 00-1019	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	151.39	40.53
23 05 29 00-1020	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	178.73	48.97
23 05 29 00-1021		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-1022	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.99	12.38
23 05 29 00-1023	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.42	12.38
23 05 29 00-1024	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.76	12.53
23 05 29 00-1025	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.82	12.67
23 05 29 00-1026	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.61	12.67
23 05 29 00-1027	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.88	13.51
23 05 29 00-1028	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.58	13.66
23 05 29 00-1029	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.71	14.21
23 05 29 00-1030	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.26	15.06
23 05 29 00-1031	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.65	17.02
23 05 29 00-1032	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.16	18.44
23 05 29 00-1033	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	90.68	21.96
23 05 29 00-1034	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.35	27.30
23 05 29 00-1035	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	117.45	29.69
23 05 29 00-1036	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	139.93	38.00
23 05 29 00-1037	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	149.77	39.83
23 05 29 00-1038	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	168.47	45.59
23 05 29 00-1039	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	201.10	55.17
23 05 29 00-1040	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	229.82	64.88
23 05 29 00-1041	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	262.13	76.56
23 05 29 00-1042	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	297.46	90.48
23 05 29 00-1043	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	427.85	139.74
23 05 29 00-1044	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	461.56	153.82
23 05 29 00-1045	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	492.27	166.06
23 05 29 00-1046		Equipment Housekeeping Pads *(23 05 29)*		
23 05 29 00-1047		Molded Plastic Condenser Pad *(23 05 29 00-1046)*		
23 05 29 00-1048	EA	30" Round Molded Plastic Pad	161.97	19.57
23 05 29 00-1049	EA	30" Octagon Molded Plastic Pad	170.05	19.57
23 05 29 00-1050	EA	30" x 30" Molded Plastic Pad	161.97	19.57
23 05 29 00-1051	EA	36" x 36" Molded Plastic Pad	210.38	19.57
23 05 29 00-1052	EA	36" x 48" Molded Plastic Pad	300.95	19.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1053		**Inertia Base** *(23 05 29 00-1046)* Note: Includes spring isolators.		
23 05 29 00-1054	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,257.56	
23 05 29 00-1055	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,725.88	
23 05 29 00-1056	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	3,122.15	
23 05 29 00-1057	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,566.46	
23 05 29 00-1058		**Hanger Assemblies** *(23 05 29)* Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1059	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	65.42 *15.67*	24.35
23 05 29 00-1060	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	68.31 *16.54*	25.79
23 05 29 00-1061	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	70.42 *17.15*	27.22
23 05 29 00-1062	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	71.54 *17.41*	27.28
23 05 29 00-1063	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	71.77 *17.41*	27.28
23 05 29 00-1064	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	73.08 *17.66*	27.49
23 05 29 00-1065	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	83.01 *17.83*	29.18
23 05 29 00-1066	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	85.10 *18.11*	30.02
23 05 29 00-1067	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	101.75 *20.00*	33.89
23 05 29 00-1068	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	148.85 *26.27*	43.79
23 05 29 00-1069	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	170.53 *30.47*	50.80
23 05 29 00-1070	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	231.92 *38.23*	64.52
23 05 29 00-1071	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. *For Work In Restricted Working Space, Add*	252.56 *41.73*	69.43
23 05 29 00-1072		**Steel Shapes For Hanger Devices** *(23 05 29)*		
23 05 29 00-1073		**Angle Iron For Hanger Devices** *(23 05 29 00-1072)*		
23 05 29 00-1074	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.47	2.22
23 05 29 00-1075	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	4.50	2.76
23 05 29 00-1076	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	5.53	3.32
23 05 29 00-1077	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	7.55	4.13
23 05 29 00-1078	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	8.38	4.43
23 05 29 00-1079	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	11.05	4.97
23 05 29 00-1080	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	13.72	6.05
23 05 29 00-1081	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	17.62	7.11
23 05 29 00-1082	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	21.00	8.30
23 05 29 00-1083		**Channels For Hanger Devices** *(23 05 29 00-1072)*		
23 05 29 00-1084	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	9.89	5.60
23 05 29 00-1085	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	16.40	8.05
23 05 29 00-1086	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	20.35	9.66
23 05 29 00-1087	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	24.29	11.26
23 05 29 00-1088	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	29.37	13.52
23 05 29 00-1089	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	35.02	16.10
23 05 29 00-1090	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	39.52	17.72
23 05 29 00-1091		**Structural Bar Tees For Hanger Devices** *(23 05 29 00-1072)*		
23 05 29 00-1092	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	11.61	7.87
23 05 29 00-1093	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	13.98	9.31
23 05 29 00-1094	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	19.13	10.73
23 05 29 00-1095	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	24.64	14.31
23 05 29 00-1096	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	33.02	17.18
23 05 29 00-1097	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	41.54	22.19
23 05 29 00-1098		**Structural Zees For Hanger Devices** *(23 05 29 00-1072)*		
23 05 29 00-1099	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	19.15	10.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1100	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	22.26	10.73
23 05 29 00-1101	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	32.08	10.73
23 05 29 00-1102	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	39.92	10.73
23 05 29 00-1103	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	47.86	10.73
23 05 29 00-1104		Junior I-beams For Hanger Devices *(23 05 29 00-1072)*		
23 05 29 00-1105	LF	3" I-beam (Junior) For Hanger Devices	24.53	15.75
23 05 29 00-1106	LF	4" I-beam (Junior) For Hanger Devices	27.93	17.18
23 05 29 00-1107	LF	5" I-beam (Junior) For Hanger Devices	31.87	18.60
23 05 29 00-1108	LF	6" I-beam (Junior) For Hanger Devices	34.78	20.75
23 05 29 00-1109	LF	7" I-beam (Junior) For Hanger Devices	40.55	22.19
23 05 29 00-1110	LF	8" I-beam (Junior) For Hanger Devices	43.82	23.62

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001		Unhoused Stable Steel Spring Isolators *(23 05 48 13)*		
		Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	134.08	43.83
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	141.62	43.83
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	166.64	43.83
23 05 48 13-0005		Vibration Isolators *(23 05 48 13)*		
23 05 48 13-0006		Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0005)*		
23 05 48 13-0007	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	165.63	27.46
23 05 48 13-0008	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	340.17	30.51
23 05 48 13-0009		Rubber-In-Shear Isolator Hanger *(23 05 48 13-0005)*		
23 05 48 13-0010	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	94.37	22.89
23 05 48 13-0011	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	121.63	27.46
23 05 48 13-0012		Spring Hanger For 1" Deflection *(23 05 48 13-0005)*		
23 05 48 13-0013	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	107.47	27.46
23 05 48 13-0014		Rubber-In-Shear Vibration Isolator *(23 05 48 13-0005)*		
23 05 48 13-0015	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	197.97	51.87
23 05 48 13-0016	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	264.72	51.87
23 05 48 13-0017	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	493.81	51.87
23 05 48 13-0018		Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0005)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0019	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	169.84	51.87
23 05 48 13-0020	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	174.81	51.87
23 05 48 13-0021		Open Double Spring Type Vibration Isolator *(23 05 48 13-0005)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0022	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	127.76	25.93
23 05 48 13-0023	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	127.76	25.93
23 05 48 13-0024	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	144.34	25.93
23 05 48 13-0025	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	144.34	25.93
23 05 48 13-0026	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	219.34	25.93
23 05 48 13-0027		Isolation Pads *(23 05 48 13-0005)*		
23 05 48 13-0028		Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0027)*		
23 05 48 13-0029	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	8.95	3.81
23 05 48 13-0030	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	11.15	3.96
23 05 48 13-0031	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	13.65	4.12
23 05 48 13-0032	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	49.82	4.73
23 05 48 13-0033	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	93.96	5.34
23 05 48 13-0034		Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0027)*		
23 05 48 13-0035	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	109.88	3.81
23 05 48 13-0036	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	121.16	3.81
23 05 48 13-0037		Neoprene Isolation Pad *(23 05 48 13-0027)*		
23 05 48 13-0038	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	8.44	3.81
23 05 48 13-0039	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	9.50	3.81
23 05 48 13-0040	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	11.13	3.81

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0041	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	49.04	4.58
23 05 48 13-0042	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	88.41	5.34
23 05 48 13-0043		Threaded Flexible Bronze Hose Connectors *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0044	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	92.06	24.41
23 05 48 13-0045	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	109.17	33.57
23 05 48 13-0046	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	133.84	41.19
23 05 48 13-0047	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	156.05	48.82
23 05 48 13-0048	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	179.22	64.08
23 05 48 13-0049	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	202.11	68.19
23 05 48 13-0050	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	269.40	80.86
23 05 48 13-0051	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	369.13	126.02
23 05 48 13-0052		Flanged Flexible Hose Connectors *(23 05 48 13)*		
23 05 48 13-0053		Flanged Flexible Molded Rubber Hose Connectors *(23 05 48 13-0052)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0054	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	279.75	114.42
23 05 48 13-0055	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	303.33	127.09
23 05 48 13-0056	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	502.91	253.86
23 05 48 13-0057	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	702.37	377.59
23 05 48 13-0058	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	913.50	487.44
23 05 48 13-0059	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,138.72	506.99
23 05 48 13-0060	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,376.88	579.06
23 05 48 13-0061	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,770.95	689.11
23 05 48 13-0062	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	4,439.01	861.89
23 05 48 13-0063		Flanged Flexible Corrugated Stainless Steel Hose Connectors *(23 05 48 13-0052)*		
		Note: With braided metal wire.		
23 05 48 13-0064	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	220.80	104.05
23 05 48 13-0065	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	222.83	143.10
23 05 48 13-0066	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	411.35	190.70
23 05 48 13-0067	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	541.56	286.06
23 05 48 13-0068	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	583.86	314.74
23 05 48 13-0069	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	681.46	381.10
23 05 48 13-0070	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	872.59	487.89
23 05 48 13-0071	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,540.01	673.11
23 05 48 13-0072	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,766.13	789.06
23 05 48 13-0073	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,193.18	607.18
23 05 48 13-0074	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,240.66	760.49
23 05 48 13-0075	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,909.17	811.20
23 05 48 13-0076	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,243.69	938.01
23 05 48 13-0077	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,848.53	1,013.99
23 05 48 13-0078		Flanged Flexible Molded Teflon Hose Connectors *(23 05 48 13-0052)*		
		Note: 150 PSI.		
23 05 48 13-0079	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,161.25	221.21
23 05 48 13-0080	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,304.47	259.36
23 05 48 13-0081	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,984.87	435.89
23 05 48 13-0082	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,413.93	506.99
23 05 48 13-0083	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,156.00	621.92
23 05 48 13-0084		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0085		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0084)*		
		Note: MPT connection.		
23 05 48 13-0086	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	45.46	3.13
23 05 48 13-0087	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	54.12	3.13
23 05 48 13-0088	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.47	4.07
23 05 48 13-0089	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.22	4.07
23 05 48 13-0090	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.73	3.76
23 05 48 13-0091	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.08	3.76
23 05 48 13-0092	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	83.86	4.86
23 05 48 13-0093	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	103.10	4.86
23 05 48 13-0094	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	82.61	4.38
23 05 48 13-0095	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.19	4.38
23 05 48 13-0096	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	107.41	5.79
23 05 48 13-0097	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	135.55	5.79
23 05 48 13-0098	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	163.47	5.79
23 05 48 13-0099	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	191.49	5.79

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0100	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	117.44	5.63
23 05 48 13-0101	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	129.25	5.63
23 05 48 13-0102	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	165.25	5.63
23 05 48 13-0103	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	229.64	7.50
23 05 48 13-0104	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	265.92	7.50
23 05 48 13-0105	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	314.19	7.50
23 05 48 13-0106	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	160.46	6.78
23 05 48 13-0107	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	185.14	6.78
23 05 48 13-0108	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	232.95	6.78
23 05 48 13-0109	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	310.67	9.08
23 05 48 13-0110	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	383.53	9.08
23 05 48 13-0111	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	456.32	9.08
23 05 48 13-0112	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	222.31	8.51
23 05 48 13-0113	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	252.71	8.08
23 05 48 13-0114	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	283.42	8.08
23 05 48 13-0115	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	349.81	10.81
23 05 48 13-0116	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	411.56	10.81
23 05 48 13-0117	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	471.39	10.81
23 05 48 13-0118	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	349.84	10.81
23 05 48 13-0119	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	390.86	10.81
23 05 48 13-0120	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	855.81	10.81
23 05 48 13-0121	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,031.40	14.42
23 05 48 13-0122	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	604.44	14.42
23 05 48 13-0123	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	685.16	14.42
23 05 48 13-0124	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	637.34	12.53
23 05 48 13-0125	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	685.27	12.53
23 05 48 13-0126	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	733.20	12.53
23 05 48 13-0127	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	839.11	16.71
23 05 48 13-0128	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	934.60	16.71
23 05 48 13-0129	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,032.14	16.71

23 05 48 13-0130 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0084)*

Note: Over braided carbon steel connection.

23 05 48 13-0131	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	190.29	6.67
23 05 48 13-0132	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.50	6.67
23 05 48 13-0133	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	267.98	6.67
23 05 48 13-0134	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	350.80	8.94
23 05 48 13-0135	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	428.79	8.94
23 05 48 13-0136	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	506.70	8.94
23 05 48 13-0137	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	216.31	8.08
23 05 48 13-0138	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	257.30	8.08
23 05 48 13-0139	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	298.47	8.08
23 05 48 13-0140	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	386.79	10.81
23 05 48 13-0141	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	468.79	10.81
23 05 48 13-0142	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	549.66	10.81
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	230.34	10.81
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	277.29	11.10
23 05 48 13-0145	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	324.91	10.81
23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	430.34	14.42
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	525.07	14.42
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	622.48	14.42
23 05 48 13-0149	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	462.85	20.43
23 05 48 13-0150	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	679.98	20.57
23 05 48 13-0151	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	911.79	27.10
23 05 48 13-0152	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,129.01	27.10
23 05 48 13-0153	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,346.18	27.10
23 05 48 13-0154	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	798.95	24.68
23 05 48 13-0155	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	963.23	24.68
23 05 48 13-0156	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,305.50	32.09
23 05 48 13-0157	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,631.40	32.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0158	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,957.21	32.09
23 05 48 13-0159	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	857.16	30.85
23 05 48 13-0160	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,267.88	30.85
23 05 48 13-0161	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,697.85	40.17
23 05 48 13-0162	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,110.01	40.17
23 05 48 13-0163	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,520.42	40.17
23 05 48 13-0164	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,693.50	37.29
23 05 48 13-0165	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,206.07	37.29
23 05 48 13-0166	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,760.93	50.18
23 05 48 13-0167	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,278.00	50.18
23 05 48 13-0168	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,797.48	50.18

23 05 48 13-0169 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0084)*

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0170	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	382.20	6.78
23 05 48 13-0171	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	765.96	192.17
23 05 48 13-0172	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	924.87	192.17
23 05 48 13-0173	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,083.78	192.17
23 05 48 13-0174	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,242.75	192.17
23 05 48 13-0175	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	722.78	245.08
23 05 48 13-0176	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	890.23	245.08
23 05 48 13-0177	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,057.75	245.08
23 05 48 13-0178	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,225.33	245.08
23 05 48 13-0179	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,389.97	245.08
23 05 48 13-0180	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,027.40	410.87
23 05 48 13-0181	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,222.85	411.89
23 05 48 13-0182	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,421.49	410.87
23 05 48 13-0183	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,643.58	410.87
23 05 48 13-0184	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,813.28	410.87
23 05 48 13-0185	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,541.36	510.80
23 05 48 13-0186	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,984.23	510.80
23 05 48 13-0187	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,427.34	512.63
23 05 48 13-0188	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,870.27	510.80
23 05 48 13-0189	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,313.13	510.80
23 05 48 13-0190	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,493.94	630.69
23 05 48 13-0191	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,828.98	630.69
23 05 48 13-0192	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,493.24	630.69
23 05 48 13-0193	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,157.76	630.69
23 05 48 13-0194	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,821.96	630.69
23 05 48 13-0195	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,008.22	767.80
23 05 48 13-0196	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,842.94	767.80
23 05 48 13-0197	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,683.26	767.80
23 05 48 13-0198	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,521.78	767.80
23 05 48 13-0199	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,199.45	767.80
23 05 48 13-0200	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,409.81	932.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0201	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,469.04	932.33
23 05 48 13-0202	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,528.21	932.33
23 05 48 13-0203	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,587.38	932.33
23 05 48 13-0204	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,646.62	932.33

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	23.96	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	24.36	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	24.56	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	24.94	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	28.58	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	29.29	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	44.92	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	45.48	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	46.09	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	46.40	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	46.74	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	47.09	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	49.24	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	49.61	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	60.35	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	62.65	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	72.36	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	82.93	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.45	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.24	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.81	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.12	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.38	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.87	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.45	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.08	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.54	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.01	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.00	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.05	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.97	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.89	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	32.78	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	34.49	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	40.17	

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	15.37	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	14.60	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	14.36	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,074.85	106.71
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,122.23	111.98
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,126.71	116.78
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,179.30	122.70
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,274.92	127.98
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,203.76	131.98

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	899.19	73.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	912.72	79.99
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	937.30	84.78
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	950.03	91.19
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	975.40	95.98
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	994.45	100.78
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	1,019.02	107.19
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,021.47	73.91
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,035.00	79.99
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,059.57	84.78
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,072.31	91.19
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,097.68	95.98
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,116.73	100.78
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,141.30	107.19
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	721.30	79.99
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	745.88	84.78
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	758.62	91.19
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	783.99	95.98
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	803.04	100.78
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	827.61	107.19
23 05 66 00-0029		**Fan Coil Unit Ultraviolet Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	671.23	102.39
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	686.82	107.19
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	702.41	111.98
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	722.93	116.78
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	749.07	122.70
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	772.26	127.98
23 05 66 00-0036		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 05 66)*		
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	177.40	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	186.45	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	211.27	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	243.10	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	275.65	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	279.33	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	134.67	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	141.79	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	159.98	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	166.30	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	185.27	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	197.93	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	216.10	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	513.17	
23 05 66 00-0051		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 05 66)*		
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	765.29	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	968.40	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	455.80	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	480.67	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	597.90	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	379.55	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	410.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	540.38	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	533.32	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	20.21	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	68.97	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	24.51	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	23.28	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	63.93	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	72.58	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	64.73	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	52.97	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	50.17	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	28.21	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	56.11	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	28.32	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	107.40	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	112.66	

23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,536.94	147.98
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,715.55	155.98
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,782.35	167.97
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,866.24	179.97
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,924.48	191.97
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,308.50	199.97
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,295.82	155.98
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,388.29	167.97
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,754.62	179.97
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,864.21	191.97

23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	1,196.29	155.98
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,980.38	155.98
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,765.52	155.98
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,232.95	167.97
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	2,027.60	167.97
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,823.29	167.97
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,267.50	179.97
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	2,074.80	179.97
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,881.05	179.97
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,403.53	199.97
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	2,287.87	199.97
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	3,172.21	199.97
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,636.65	219.97
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	2,715.17	219.97
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	3,792.63	219.97

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	565.28
		For Testing Of Unit Without Balancing, Deduct	*-282.64*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	706.33
		For Testing Of Unit Without Balancing, Deduct	*-353.17*
23 05 93 00-0004	EA	Balancing In Line Fan	635.95
		For Testing Of Unit Without Balancing, Deduct	*-317.98*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	141.32
		For Testing Of Unit Without Balancing, Deduct	*-70.66*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	423.93
		For Testing Of Unit Without Balancing, Deduct	*-211.97*
23 05 93 00-0007	EA	Balancing Wall Fan	105.97
		For Testing Of Unit Without Balancing, Deduct	*-52.99*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	564.39
		For Testing Of Unit Without Balancing, Deduct	*-282.20*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	1,124.18
		For Testing Of Unit Without Balancing, Deduct	*-562.09*
23 05 93 00-0011	EA	Balancing Package A/C Unit	421.56
		For Testing Of Unit Without Balancing, Deduct	*-210.78*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	562.09
		For Testing Of Unit Without Balancing, Deduct	*-281.05*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,967.31
		For Testing Of Unit Without Balancing, Deduct	*-983.66*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0014		Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*		
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	105.99	
		For Testing Of Unit Without Balancing, Deduct	*-53.00*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	176.66	
		For Testing Of Unit Without Balancing, Deduct	*-88.33*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	91.86	
		For Testing Of Unit Without Balancing, Deduct	*-45.93*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	99.53	
		For Testing Of Unit Without Balancing, Deduct	*-49.77*	
23 05 93 00-0019	EA	Balance Constant Volume Box	99.53	
		For Testing Of Unit Without Balancing, Deduct	*-49.77*	
23 05 93 00-0020	EA	Balance Fan Powered Box	113.06	
		For Testing Of Unit Without Balancing, Deduct	*-56.53*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	459.31	
		For Testing Of Unit Without Balancing, Deduct	*-229.66*	
23 05 93 00-0022	EA	Balance General Hood	353.30	
		For Testing Of Unit Without Balancing, Deduct	*-176.65*	
23 05 93 00-0023	EA	Balance Induction Unit	211.99	
		For Testing Of Unit Without Balancing, Deduct	*-106.00*	
23 05 93 00-0024	EA	Balance Moduline - Master	84.76	
		For Testing Of Unit Without Balancing, Deduct	*-42.38*	
23 05 93 00-0025	EA	Balance Moduline - Slave	42.40	
		For Testing Of Unit Without Balancing, Deduct	*-21.20*	
23 05 93 00-0026	EA	Balance Dampers	39.37	
		For Testing Of Unit Without Balancing, Deduct	*-19.69*	
23 05 93 00-0027	EA	Balance Regenerators	564.39	
		For Testing Of Unit Without Balancing, Deduct	*-282.20*	
23 05 93 00-0028		Water Balancing Of Components *(23 05 93)*		
23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	772.95	
		For Testing Of Unit Without Balancing, Deduct	*-386.48*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	98.37	
		For Testing Of Unit Without Balancing, Deduct	*-49.19*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	843.07	
		For Testing Of Unit Without Balancing, Deduct	*-421.54*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	1,124.18	
		For Testing Of Unit Without Balancing, Deduct	*-562.09*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	562.09	
		For Testing Of Unit Without Balancing, Deduct	*-281.05*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	140.61	
		For Testing Of Unit Without Balancing, Deduct	*-70.31*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	140.52	
		For Testing Of Unit Without Balancing, Deduct	*-70.26*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	154.57	
		For Testing Of Unit Without Balancing, Deduct	*-77.29*	
23 05 93 00-0037	EA	Water Balance, Pumps	421.58	
		For Testing Of Unit Without Balancing, Deduct	*-210.79*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	98.36	
		For Testing Of Unit Without Balancing, Deduct	*-49.18*	
23 05 93 00-0039	EA	Water Balancing, Converter	421.74	
		For Testing Of Unit Without Balancing, Deduct	*-210.87*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	70.25	
		For Testing Of Unit Without Balancing, Deduct	*-35.13*	
23 05 93 00-0041	EA	Water Balance, Convector	84.30	
		For Testing Of Unit Without Balancing, Deduct	*-42.15*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	105.39	
		For Testing Of Unit Without Balancing, Deduct	*-52.70*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	913.40	
		For Testing Of Unit Without Balancing, Deduct	*-456.70*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,686.28	
		For Testing Of Unit Without Balancing, Deduct	*-843.14*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	3,091.51	
		For Testing Of Unit Without Balancing, Deduct	*-1,545.76*	
23 05 93 00-0046		Non-Destructive Testing *(23 05 93)*		
23 05 93 00-0047		X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*		
23 05 93 00-0048		Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*		
23 05 93 00-0049	EA	Minimum Set-up Charge For X-Ray Welds Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,134.84	
23 05 93 00-0050		Piping, X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0047)*		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	114.62	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	130.53	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	146.43	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	154.73	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	163.00	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	171.93	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	188.50	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	205.05	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	214.00	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	225.45	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0061		Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0046)*		
23 05 93 00-0062		Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0061)*		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	94.98	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	102.61	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	110.23	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	114.06	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	119.77	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	125.49	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	136.94	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	148.38	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	159.82	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	171.26	
23 05 93 00-0073		Hydrostatic Testing *(23 05 93 00-0046)* Note: Includes flushing and restoring of system.		
23 05 93 00-0074		Piping, Hydrostatic Testing *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	1,003.71	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,433.86	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,718.06	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,288.45	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	3,467.34	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,334.52	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,907.04	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	2,270.28	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,974.96	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	4,500.60	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,739.22	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,479.15	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,616.09	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	3,427.29	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	5,184.86	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	2,257.95	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	3,219.07	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	3,401.60	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	4,461.55	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	6,759.94	
23 05 93 00-0095		Pneumatic Testing *(23 05 93 00-0046)* Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,140.41	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,627.76	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,757.71	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,249.99	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	3,517.77	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,488.15	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,113.72	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,284.95	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,925.80	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	4,572.84	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,792.45	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,530.29	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,861.20	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	3,653.86	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	5,719.17	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,333.77	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,289.45	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,720.41	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,750.39	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	7,445.78	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0117		EPA Testing Of Sludge *(23 05 93)*		
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,124.70	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	119.68	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,724.50	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,309.59	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.79	2.81
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.13*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.59	2.81
		For Plain Blanket, With No Facing, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*1.32*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.32	4.23
		For Plain Blanket, With No Facing, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*1.51*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.49	4.92
		For Plain Blanket, With No Facing, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*1.76*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.87	5.35
		For Plain Blanket, With No Facing, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*1.90*	

23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.88	4.23
		For Plain Blanket, With No Facing, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*1.41*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.87	4.92
		For Plain Blanket, With No Facing, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*1.63*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	8.10	5.63
		For Plain Blanket, With No Facing, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*1.92*	

23 07 13 00-0012 Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.68	5.63
		For Plain Blanket, With No Facing, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.70*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	9.98	6.33
		For Plain Blanket, With No Facing, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*1.94*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	11.65	7.04
		For Plain Blanket, With No Facing, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*2.25*	

23 07 13 00-0016 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	13.25	6.93
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*30.53*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*22.63*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*18.65*	
		For Work In Restricted Working Space, Add	*3.75*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	16.95	8.44
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*37.71*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*28.35*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*23.27*	
		For Work In Restricted Working Space, Add	*4.56*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	21.10	10.18
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*45.97*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*34.86*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*28.53*	
		For Work In Restricted Working Space, Add	*5.51*	

23 07 13 00-0020 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.

23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	14.86	7.63
		For Work In Restricted Working Space, Add	*4.13*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	19.21	9.28
		For Work In Restricted Working Space, Add	*5.02*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	24.54	11.20
		For Work In Restricted Working Space, Add	*6.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0024		**Sheet Flexible Elastomeric Insulation** *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	10.37	3.80
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	11.08	4.01
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	14.33	4.23
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	16.42	4.44
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	22.47	4.85
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	26.48	5.27
23 07 13 00-0031		**Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.03	4.01
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.50	4.23
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.32	4.44
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.16	4.85
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	33.28	5.27
23 07 13 00-0037		**Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.85	4.01
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.31	4.23
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.63	4.44
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	31.43	4.85
23 07 16		**HVAC Equipment Insulation** *(23 07)*		
23 07 16 00-0001		**Calcium Silicate Block Insulation** *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	20.62	8.34
		For Work In Restricted Working Space, Add	*5.00*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	24.68	9.38
		For Work In Restricted Working Space, Add	*5.62*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	29.63	10.81
		For Work In Restricted Working Space, Add	*6.51*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	35.30	12.70
		For Work In Restricted Working Space, Add	*7.62*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	43.14	15.62
		For Work In Restricted Working Space, Add	*9.38*	
23 07 19		**HVAC Piping Insulation** *(23 07)*		
		See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001		**Calcium Silicate Pipe Insulation** *(23 07 19)*		
		Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0535 for protective jacketing.		
23 07 19 00-0002		**1" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.90	4.62
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.90	4.62
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.88	4.69
		For Work In Restricted Working Space, Add	*3.52*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.12	4.76
		For Work In Restricted Working Space, Add	*3.57*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.33	4.82
		For Work In Restricted Working Space, Add	*3.62*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.31	4.96
		For Work In Restricted Working Space, Add	*3.72*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.10	5.16
		For Work In Restricted Working Space, Add	*3.87*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.82	5.29
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	21.23	5.70
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	23.71	6.42
		For Work In Restricted Working Space, Add	*4.82*	
23 07 19 00-0013		**1-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.62	4.82
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.70	4.82
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.86	5.10
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.48	5.20
		For Work In Restricted Working Space, Add	*3.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.13	5.29
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.46	5.59
		For Work In Restricted Working Space, Add	*4.19*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.29	5.69
		For Work In Restricted Working Space, Add	*4.26*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.09	5.88
		For Work In Restricted Working Space, Add	*4.41*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.45	6.35
		For Work In Restricted Working Space, Add	*4.76*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	28.41	7.42
		For Work In Restricted Working Space, Add	*5.57*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	32.64	7.83
		For Work In Restricted Working Space, Add	*5.87*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	40.72	9.37
		For Work In Restricted Working Space, Add	*7.03*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	47.80	10.91
		For Work In Restricted Working Space, Add	*8.19*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	53.08	11.96
		For Work In Restricted Working Space, Add	*8.97*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	64.02	15.23
		For Work In Restricted Working Space, Add	*11.42*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	68.66	15.99
		For Work In Restricted Working Space, Add	*11.99*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.48	5.29
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.87	5.29
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.45	5.37
		For Work In Restricted Working Space, Add	*4.02*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.20	5.43
		For Work In Restricted Working Space, Add	*4.07*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.74	5.50
		For Work In Restricted Working Space, Add	*4.12*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.69	5.70
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	26.11	5.90
		For Work In Restricted Working Space, Add	*4.42*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	26.65	6.10
		For Work In Restricted Working Space, Add	*4.58*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	29.28	6.43
		For Work In Restricted Working Space, Add	*4.83*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	35.74	7.72
		For Work In Restricted Working Space, Add	*5.79*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	39.96	8.15
		For Work In Restricted Working Space, Add	*6.11*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	48.99	9.75
		For Work In Restricted Working Space, Add	*7.31*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	56.54	11.68
		For Work In Restricted Working Space, Add	*8.76*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	70.79	16.29
		For Work In Restricted Working Space, Add	*12.22*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	73.86	16.29
		For Work In Restricted Working Space, Add	*12.22*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	78.91	17.10
		For Work In Restricted Working Space, Add	*12.83*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	93.40	19.55
		For Work In Restricted Working Space, Add	*14.66*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	109.45	23.62
		For Work In Restricted Working Space, Add	*17.72*	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.38	6.11
		For Work In Restricted Working Space, Add	*4.58*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.79	6.11
		For Work In Restricted Working Space, Add	*4.58*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.22	6.20
		For Work In Restricted Working Space, Add	*4.65*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.44	6.25
		For Work In Restricted Working Space, Add	*4.69*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.01	6.29
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.11	6.56
		For Work In Restricted Working Space, Add	*4.92*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.01	6.78
		For Work In Restricted Working Space, Add	*5.09*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.62	7.02
		For Work In Restricted Working Space, Add	*5.27*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	34.82	7.40
		For Work In Restricted Working Space, Add	*5.56*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.73	8.41
		For Work In Restricted Working Space, Add	*6.31*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	48.59	9.38
		For Work In Restricted Working Space, Add	*7.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	57.74	10.82
		For Work In Restricted Working Space, Add	*8.12*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	67.84	13.44
		For Work In Restricted Working Space, Add	*10.08*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	74.89	14.68
		For Work In Restricted Working Space, Add	*11.01*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	91.66	18.76
		For Work In Restricted Working Space, Add	*14.07*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	96.70	19.70
		For Work In Restricted Working Space, Add	*14.78*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	111.93	22.52
		For Work In Restricted Working Space, Add	*16.89*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	132.08	27.21
		For Work In Restricted Working Space, Add	*20.40*	

23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.02	6.76
		For Work In Restricted Working Space, Add	*5.06*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.11	6.76
		For Work In Restricted Working Space, Add	*5.06*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.39	6.83
		For Work In Restricted Working Space, Add	*5.12*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.70	6.88
		For Work In Restricted Working Space, Add	*5.16*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.99	6.95
		For Work In Restricted Working Space, Add	*5.21*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.06	7.20
		For Work In Restricted Working Space, Add	*5.40*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.17	7.45
		For Work In Restricted Working Space, Add	*5.59*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.95	7.72
		For Work In Restricted Working Space, Add	*5.79*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	41.66	8.15
		For Work In Restricted Working Space, Add	*6.11*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.09	9.26
		For Work In Restricted Working Space, Add	*6.94*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	56.69	10.32
		For Work In Restricted Working Space, Add	*7.73*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	67.07	11.90
		For Work In Restricted Working Space, Add	*8.93*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	78.27	14.79
		For Work In Restricted Working Space, Add	*11.09*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	86.67	16.15
		For Work In Restricted Working Space, Add	*12.11*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	102.76	20.63
		For Work In Restricted Working Space, Add	*15.48*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	110.35	21.67
		For Work In Restricted Working Space, Add	*16.25*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	128.76	24.78
		For Work In Restricted Working Space, Add	*18.59*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	152.77	29.93
		For Work In Restricted Working Space, Add	*22.45*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.36	7.40
		For Work In Restricted Working Space, Add	*5.56*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	38.55	7.40
		For Work In Restricted Working Space, Add	*5.56*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	38.66	7.45
		For Work In Restricted Working Space, Add	*5.59*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	38.78	7.50
		For Work In Restricted Working Space, Add	*5.63*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.89	7.59
		For Work In Restricted Working Space, Add	*5.70*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.17	7.85
		For Work In Restricted Working Space, Add	*5.89*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	45.49	8.13
		For Work In Restricted Working Space, Add	*6.10*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	47.11	8.42
		For Work In Restricted Working Space, Add	*6.31*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	53.13	8.90
		For Work In Restricted Working Space, Add	*6.67*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	59.41	10.10
		For Work In Restricted Working Space, Add	*7.57*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	71.55	11.25
		For Work In Restricted Working Space, Add	*8.44*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	86.42	12.98
		For Work In Restricted Working Space, Add	*9.74*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	104.95	16.14
		For Work In Restricted Working Space, Add	*12.10*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	111.04	17.62
		For Work In Restricted Working Space, Add	*13.21*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	130.98	22.52
		For Work In Restricted Working Space, Add	*16.89*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	148.77	23.64
		For Work In Restricted Working Space, Add	*17.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	161.71	27.04
		For Work In Restricted Working Space, Add	*20.28*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	45.85	8.22
		For Work In Restricted Working Space, Add	*6.17*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	45.89	8.22
		For Work In Restricted Working Space, Add	*6.17*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	46.26	8.37
		For Work In Restricted Working Space, Add	*6.28*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.43	8.46
		For Work In Restricted Working Space, Add	*6.35*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.05	8.73
		For Work In Restricted Working Space, Add	*6.55*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	51.15	9.00
		For Work In Restricted Working Space, Add	*6.75*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.33	9.14
		For Work In Restricted Working Space, Add	*6.85*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	57.00	9.47
		For Work In Restricted Working Space, Add	*7.11*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	64.13	10.00
		For Work In Restricted Working Space, Add	*7.50*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	74.02	11.35
		For Work In Restricted Working Space, Add	*8.51*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	87.53	12.66
		For Work In Restricted Working Space, Add	*9.49*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	100.82	14.61
		For Work In Restricted Working Space, Add	*10.96*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	115.96	18.15
		For Work In Restricted Working Space, Add	*13.61*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	123.73	19.83
		For Work In Restricted Working Space, Add	*14.87*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	147.94	25.35
		For Work In Restricted Working Space, Add	*19.02*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	157.03	26.57
		For Work In Restricted Working Space, Add	*19.93*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	174.54	30.41
		For Work In Restricted Working Space, Add	*22.81*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	6.81	
		For Work In Restricted Working Space, Add	*1.31*	

23 07 19 00-0125 Mineral Wool Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0535 for protective jacketing.

23 07 19 00-0126 1" Thick Mineral Wool Pipe Insulation *(23 07 19 00-0125)*

23 07 19 00-0127	LF	1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	20.85	4.23
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0128	LF	3/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	21.19	4.23
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0129	LF	1" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	21.71	4.23
		For Work In Restricted Working Space, Add	*3.52*	
23 07 19 00-0130	LF	1-1/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	22.14	4.37
		For Work In Restricted Working Space, Add	*3.57*	
23 07 19 00-0131	LF	1-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	22.73	4.37
		For Work In Restricted Working Space, Add	*3.62*	
23 07 19 00-0132	LF	2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	25.47	4.51
		For Work In Restricted Working Space, Add	*3.72*	
23 07 19 00-0133	LF	2-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	26.78	4.78
		For Work In Restricted Working Space, Add	*3.87*	
23 07 19 00-0134	LF	3" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	27.63	4.92
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0135	LF	4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	31.88	5.20
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0136	LF	5" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	35.18	5.63
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0137	LF	6" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	37.41	6.05
		For Work In Restricted Working Space, Add	*4.82*	

23 07 19 00-0138 1-1/2" Thick Mineral Wool Pipe Insulation *(23 07 19 00-0125)*

23 07 19 00-0139	LF	1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	27.92	4.35
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0140	LF	3/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	28.30	4.35
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0141	LF	1" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	29.31	4.60
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0142	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	29.85	4.70
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0143	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	30.98	4.78
		For Work In Restricted Working Space, Add	*3.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0144	LF	2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	32.66	5.04
		For Work In Restricted Working Space, Add	*4.19*	
23 07 19 00-0145	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	34.61	5.12
		For Work In Restricted Working Space, Add	*4.26*	
23 07 19 00-0146	LF	3" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	35.96	5.30
		For Work In Restricted Working Space, Add	*4.41*	
23 07 19 00-0147	LF	4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	41.43	5.74
		For Work In Restricted Working Space, Add	*4.76*	
23 07 19 00-0148	LF	5" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	44.54	6.22
		For Work In Restricted Working Space, Add	*5.17*	
23 07 19 00-0149	LF	6" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	46.69	6.70
		For Work In Restricted Working Space, Add	*5.57*	
23 07 19 00-0150	LF	8" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	56.42	7.06
		For Work In Restricted Working Space, Add	*5.87*	
23 07 19 00-0151	LF	10" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	70.07	8.46
		For Work In Restricted Working Space, Add	*7.03*	
23 07 19 00-0152	LF	12" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	80.49	9.85
		For Work In Restricted Working Space, Add	*8.19*	

23 07 19 00-0153 2" Thick Mineral Wool Pipe Insulation *(23 07 19 00-0125)*

23 07 19 00-0154	LF	1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	33.77	4.78
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0155	LF	3/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	34.53	4.78
		For Work In Restricted Working Space, Add	*3.97*	
23 07 19 00-0156	LF	1" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	35.98	4.92
		For Work In Restricted Working Space, Add	*4.02*	
23 07 19 00-0157	LF	1-1/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	37.81	4.92
		For Work In Restricted Working Space, Add	*4.07*	
23 07 19 00-0158	LF	1-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	38.98	5.06
		For Work In Restricted Working Space, Add	*4.12*	
23 07 19 00-0159	LF	2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	40.68	5.20
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0160	LF	2-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	44.71	5.35
		For Work In Restricted Working Space, Add	*4.42*	
23 07 19 00-0161	LF	3" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	47.25	5.63
		For Work In Restricted Working Space, Add	*4.58*	
23 07 19 00-0162	LF	4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	53.37	5.91
		For Work In Restricted Working Space, Add	*4.83*	
23 07 19 00-0163	LF	5" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	59.08	6.43
		For Work In Restricted Working Space, Add	*5.31*	
23 07 19 00-0164	LF	6" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	62.34	6.94
		For Work In Restricted Working Space, Add	*5.79*	
23 07 19 00-0165	LF	8" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	72.59	7.33
		For Work In Restricted Working Space, Add	*6.11*	
23 07 19 00-0166	LF	10" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	88.25	8.76
		For Work In Restricted Working Space, Add	*7.31*	
23 07 19 00-0167	LF	12" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	100.07	9.85
		For Work In Restricted Working Space, Add	*8.76*	

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	853.53	19.68
23 09 23 11-0003	EA	3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	883.83	26.53
23 09 23 11-0004	EA	1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	967.89	32.11
23 09 23 11-0005	EA	1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,057.23	40.69
23 09 23 11-0006	EA	1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,204.39	46.95
23 09 23 11-0007	EA	2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,361.63	55.48
23 09 23 11-0008	EA	2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,547.88	110.96
23 09 23 11-0009	EA	3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,763.87	129.84
23 09 23 11-0010	EA	4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,733.48	190.70
23 09 23 11-0011	EA	5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,490.78	275.59
23 09 23 11-0012	EA	6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	6,081.84	305.13
23 09 23 11-0013	EA	1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	919.79	29.53
23 09 23 11-0014	EA	3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	949.84	39.80
23 09 23 11-0015	EA	1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,029.96	48.18
23 09 23 11-0016	EA	1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,143.18	61.02
23 09 23 11-0017	EA	1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,466.89	70.41
23 09 23 11-0018	EA	2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,628.19	83.22
23 09 23 11-0019	EA	2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,879.43	166.43
23 09 23 11-0020	EA	3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,167.24	194.77
23 09 23 11-0021	EA	4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,609.51	286.06
23 09 23 11-0022	EA	5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,685.66	413.40
23 09 23 11-0023	EA	6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,431.96	457.69
23 09 23 11-0024	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	151.59	19.68
23 09 23 11-0025	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	180.19	26.53
23 09 23 11-0026	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	226.46	32.11
23 09 23 11-0027	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	187.69	29.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0028	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	221.57	39.80
23 09 23 11-0029	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	276.46	48.18
23 09 23 11-0030	EA	1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	246.82	19.68
23 09 23 11-0031	EA	3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	293.93	26.53
23 09 23 11-0032	EA	1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	335.14	32.11
23 09 23 11-0033	EA	1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	435.59	40.69
23 09 23 11-0034	EA	1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	452.59	46.95
23 09 23 11-0035	EA	2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	574.78	55.48
23 09 23 11-0036	EA	2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,231.34	110.96
23 09 23 11-0037	EA	3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,445.52	129.84
23 09 23 11-0038	EA	1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	301.43	29.53
23 09 23 11-0039	EA	3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	350.93	39.80
23 09 23 11-0040	EA	1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	451.60	48.18
23 09 23 11-0041	EA	1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	637.71	61.02
23 09 23 11-0042	EA	1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	674.80	70.41
23 09 23 11-0043	EA	2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	890.12	83.22
23 09 23 11-0044	EA	2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	740.79	101.71
23 09 23 11-0045	EA	2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	779.58	110.96
23 09 23 11-0046	EA	3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	1,018.28	129.84
23 09 23 11-0047	EA	4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,562.88	217.95
23 09 23 11-0048	EA	5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	3,079.32	275.59
23 09 23 11-0049	EA	6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,254.68	305.13
23 09 23 11-0050	EA	8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,400.04	348.72
23 09 23 11-0051	EA	10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,398.20	427.18
23 09 23 11-0052	EA	12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,667.26	517.79
23 09 23 11-0053	EA	14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,423.08	610.25
23 09 23 11-0054	EA	16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,761.54	671.28
23 09 23 11-0055	EA	18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,803.09	745.73
23 09 23 11-0056	EA	2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,354.45	152.56
23 09 23 11-0057	EA	2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,590.11	166.43
23 09 23 11-0058	EA	3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,958.71	194.77
23 09 23 11-0059	EA	4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,543.96	326.92
23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	5,106.86	413.40
23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,299.36	457.69
23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,658.76	523.12
23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,793.31	640.76
23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,687.37	776.68
23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	16,558.83	915.39
23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	18,458.42	1,006.91
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	28,236.24	1,118.59
23 09 23 11-0068		**Valve Actuators** *(23 09 23 11)*		
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	561.90	126.05
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	569.36	126.05
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	686.61	126.05
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	631.38	126.05
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	642.28	126.05
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	713.84	126.05
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	850.83	126.05
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	867.59	126.05
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	907.98	126.05
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	669.50	126.05
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	754.25	126.05
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	678.39	126.05
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	689.31	126.05
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	693.39	126.05
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	767.66	126.05
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	799.69	126.05
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	816.71	126.05
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	813.32	126.05
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	824.22	126.05
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	823.53	126.05
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	894.20	126.05
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	1,072.93	126.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	730.86	126.05
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	861.71	126.05
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,887.87	126.05
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,111.36	126.05
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,524.96	126.05
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,854.07	126.05
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,369.88	126.05
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,961.34	126.05
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	5,321.39	126.05
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	6,485.88	126.05

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	226.75	43.81
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	255.54	48.05
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	285.71	53.00
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	330.38	62.18
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	373.62	70.66
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	378.14	79.50
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	463.78	88.32
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	553.87	105.99
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	710.84	123.66
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,054.08	141.32
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,929.88	158.99
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,450.65	176.66

23 09 23 12-0014 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	220.55	49.47
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	227.73	53.00
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	237.48	53.00
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	263.67	60.06
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	299.82	60.06
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	325.41	70.66
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	437.14	74.38
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	457.00	77.10
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	485.02	83.11
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	513.58	89.13

23 09 23 12-0025 Control Damper Actuators *(23 09 23 12)*

23 09 23 12-0026	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	591.58	116.76
23 09 23 12-0027	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	638.58	116.76
23 09 23 12-0028	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	715.58	116.76
23 09 23 12-0029	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	752.38	116.76
23 09 23 12-0030	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	774.21	116.76
23 09 23 12-0031	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	860.06	116.76

23 09 23 12-0032 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0033	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	330.20	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 12-0034	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	321.49	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,543.21	138.39

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,326.84	135.67
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,201.44	135.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,711.83	135.67

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,309.61	76.94
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,028.21	51.28
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,842.84	76.94
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	1,023.95	92.32

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	653.87	92.32
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	670.55	92.32
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	770.18	128.22
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	576.77	51.28

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	215.43	36.06
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	211.46	36.06
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	278.19	36.06
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	248.74	36.06
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	86.91	36.06
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	81.42	36.06
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	137.85	36.06

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	865.15	108.28
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	775.58	108.28
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	342.14	108.28
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	352.54	108.28
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	372.91	108.28
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	349.53	108.28
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	3,046.80	108.28
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	3,046.80	108.28
23 09 23 23-0010	EA	Magnahelic Gauge	869.34	66.19

23 09 23 23-0011 Room Pressure Monitoring *(23 09 23 23)*

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,576.62	70.66
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,757.14	70.66
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	455.94	42.40
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	525.53	42.40

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	269.73	92.32
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	359.31	92.32
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	280.04	92.32
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	290.60	92.32
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	294.12	92.32
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	290.65	92.32
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	292.51	92.32
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	310.31	92.32
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	325.86	92.32
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	402.90	128.22
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	414.87	128.22
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	178.82	51.28
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	183.22	51.28
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	171.67	51.28

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	213.40	99.21
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	499.32	99.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0019		**Peco Thermostats** *(23 09 23 27)*		
23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	453.21	24.04
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	407.57	24.04
23 09 23 53		**Proprietary Control Systems** *(23 09 23)*		
23 09 23 53-0001		**EMCS General Costs** *(23 09 23 53)*		
23 09 23 53-0002		**EMCS System Design Services** *(23 09 23 53-0001)* Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	296.50	
23 09 23 53-0004	HR	EMCS Engineering Project Management	296.50	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	312.53	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	256.44	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	268.46	
23 09 23 53-0008	HR	EMCS System Controls Training	280.48	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	288.49	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	248.42	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	240.41	
23 09 23 53-0012		**Field Tests, Checkout And Commissioning** *(23 09 23 53-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	210.44	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	210.44	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	210.44	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	180.31	
23 09 23 53-0017		**EMCS System Engineering/Submittal Design And Layout** *(23 09 23 53-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	70.20	
23 09 23 53-0019		**Alerton Controls** *(23 09 23 53)*		
23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	13,787.52	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	17,839.32	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	45,824.84	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	34,265.61	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	89,019.84	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	70,110.16	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	107,271.23	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,933.24	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	40,422.41	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	29,453.30	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	17,754.17	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	10,800.36	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	4,119.54	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	7,520.40	384.66
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	11,132.80	512.88
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	10,984.35	512.88
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	3,930.94	384.66
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	4,800.93	384.66
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	3,663.24	384.66
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	4,601.39	384.66
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	11,134.17	384.66
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	4,943.14	512.88
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	10,914.45	1,025.75
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	12,818.70	1,025.75
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,701.43	114.21
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	3,170.47	384.66
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	3,371.24	384.66
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,677.69	384.66
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,957.55	384.66
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,945.38	384.66
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	4,551.51	384.66
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	3,445.47	384.66
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	5,204.77	512.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	2,288.46	256.44
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	2,208.14	256.44
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,975.79	384.66
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,975.79	384.66
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	3,624.32	384.66
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	7,335.31	512.88
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	3,091.38	384.66
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	216.42	14.42
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	358.05	14.42
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	932.36	14.42
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	932.36	14.42
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	723.10	14.42
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	236.39	14.42
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	984.69	14.42
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,106.38	14.42
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	4,539.34	384.66
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	4,838.64	384.66
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	4,580.71	384.66
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	11,754.30	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	6,371.37	384.66
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,386.33	213.96
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,071.31	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,241.22	14.42

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	5,143.65	384.66
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	11,343.55	1,153.97
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	3,483.93	384.66
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	7,518.78	512.88
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	7,394.92	512.88
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	11,817.20	1,025.75
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	6,589.83	512.88
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	6,679.51	384.66
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	11,074.04	1,025.75
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	2,256.14	256.44
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,393.41	256.44
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	3,898.73	256.44
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	3,759.39	256.44
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	3,161.89	384.66
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	20,072.24	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	12,516.78	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	16,764.69	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	579.15	16.03
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	579.15	16.03
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	579.15	16.03
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	579.15	16.03
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	657.45	16.03
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	657.45	16.03
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	657.45	16.03
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB)	657.45	16.03
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	49.60	16.03
		Note: Optional cover.		
		For >50 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.73*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM)	5,246.48	16.03
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-256.06*	
		For >2, Deduct	*-511.66*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	496.53	16.03
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-26.72*	
		For >2, Deduct	*-53.38*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	873.84	16.03
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-44.13*	
		For >10, Deduct	*-88.18*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	1,083.24	16.03
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-51.32*	
		For >10, Deduct	*-102.54*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,676.20	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,352.94	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,431.37	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	15,009.53	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,754.63	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,676.20	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,303.65	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,754.63	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,832.08	160.27
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,966.07	

23 09 23 53-0121 EMCS Central Equipment And Controllers *(23 09 23 53-0109)*

23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)	10,326.90	641.10
		Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	8,005.33	641.10
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	6,071.90	641.10
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	6,071.90	641.10
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	6,071.90	641.10
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	5,718.33	641.10
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,924.25	320.55
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,768.27	320.55
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,871.76	320.55
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,768.27	320.55
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,924.31	400.69
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	1,021.44	160.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	1,087.20	160.27
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,257.77	160.27
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	324.00	51.28
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	434.45	57.70
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	827.59	24.04
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)* Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	13,848.16	781.34
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	9,757.53	781.34
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	7,683.80	781.34
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	9,334.00	781.34
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	7,626.99	781.34
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	7,626.99	781.34
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,197.71	781.34
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,796.85	781.34
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,197.71	781.34
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,796.85	781.34
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,802.01	781.34
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	9,401.15	781.34
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,802.01	781.34
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	9,401.15	781.34
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	9,305.59	781.34
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	11,307.01	781.34
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	11,924.22	781.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	13,925.63	781.34
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	11,952.63	781.34
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	15,766.93	781.34
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,933.77	216.37
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,656.15	144.25
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	2,126.99	270.54
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,200.00	390.74
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,704.75	390.74
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	132.84	48.08
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,245.10	883.55
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,644.08	522.94
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,497.53	1,035.01
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,896.51	674.40
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,845.74	1,081.95
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,394.90	810.67
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	4,116.17	1,244.23
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,629.21	952.18
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,904.69	883.43
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,303.67	522.94
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	3,235.34	1,081.95
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,634.15	721.24
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,788.00	897.99
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,174.95	734.05
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	4,118.63	1,244.21
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,505.43	827.02
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,714.51	1,244.21
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,167.65	794.96
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	5,375.80	1,244.21
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,828.78	931.19
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,344.14	955.71
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,833.80	955.71
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,064.93	1,124.00
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,554.59	1,124.00
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,035.82	1,316.33
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,601.85	1,316.33
23 09 23 53-0198		**EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	588.80	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	680.48	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	712.76	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	672.73	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	683.06	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	667.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	574.60	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	499.71	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	732.13	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	654.66	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	723.09	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,535.28	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,909.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	954.22	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	940.02	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	460.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	524.24	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	968.43	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,035.57	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	648.20	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	648.20	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	648.20	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	648.20	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	114.92	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	216.93	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	213.05	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	652.07	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	96.84	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	652.07	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	600.42	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	600.42	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	632.71	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	632.71	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	910.32	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,074.31	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,282.90	

23 09 23 53-0235 EMCS Software *(23 09 23 53-0140)*

23 09 23 53-0236 Software Packages And License *(23 09 23 53-0235)*

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	728.26	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,844.09	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,134.78	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,842.13	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,555.68	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,932.72	
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,960.67	
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	962.88	
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	659.44	
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	37,438.98	
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	34,173.14	
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,971.75	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,679.10	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,798.11	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,798.11	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,368.52	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,582.47	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,798.11	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,317.43	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,798.11	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,915.73	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	86,082.76	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	150,644.51	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,747.41	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,873.70	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,137.32	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,425.14	

23 09 23 53-0264 Initial Database Generation *(23 09 23 53-0235)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0265	PNT	Database Generation For Central Plant	107.54	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	107.54	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	107.54	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	74.85	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, etc.	74.85	
23 09 23 53-0270		**Application Software Programs** *(23 09 23 53-0235)*		
23 09 23 53-0271	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	150.01	
23 09 23 53-0272	EA	Duty Cycling Program	70.84	
23 09 23 53-0273	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	131.58	
23 09 23 53-0274		**Color Graphics Generation** *(23 09 23 53-0235)* Note: Priced per page.		
23 09 23 53-0275	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,689.09	
23 09 23 53-0276	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	4,774.37	
23 09 23 53-0277	EA	Color Graphics Page For Central Plant	1,221.77	
23 09 23 53-0278	EA	Color Graphics Page For Building Floor Plan	1,128.17	
23 09 23 53-0279	EA	Replication Of Color Graphics Page For Central Plant	612.88	
23 09 23 53-0280	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,374.50	
23 09 23 53-0281	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	293.94	
23 09 23 53-0282	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	1,271.28	
23 09 23 53-0283	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	127.09	
23 09 23 53-0284		**Sensors, Actuators And Control Devices** *(23 09 23 53-0140)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0285		**Special Sensors** *(23 09 23 53-0284)*		
23 09 23 53-0286	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,387.47	99.21
23 09 23 53-0287	EA	Enthalpy Sensor -25 To 125 F	2,488.63	99.21
23 09 23 53-0288	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,202.14	198.42
23 09 23 53-0289	EA	Freezestat (Honeywell L482A1004)	845.32	330.64
23 09 23 53-0290	EA	Wall Mounted Occupancy Sensor	587.03	99.21
23 09 23 53-0291	EA	Ceiling Mounted Occupancy Sensor	475.51	99.21
23 09 23 53-0292	EA	I/P Positioner With Gauge	558.63	99.21
23 09 23 53-0293	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	669.82	99.21
23 09 23 53-0294	EA	EP Transducer	558.63	66.19
23 09 23 53-0295	EA	Electric Heat Sequencer	895.27	132.23
23 09 23 53-0296		**Meters** *(23 09 23 53-0284)*		
23 09 23 53-0297	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	5,689.33	793.36
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	8,308.65	925.58
23 09 23 53-0299	EA	1 To 300 Amperes, Current Transformer For KW Meter	2,032.94	330.64
23 09 23 53-0300	EA	300 To 800 Amperes, Current Transformer For KW Meter	2,293.57	330.64
23 09 23 53-0301	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,793.41	330.64
23 09 23 53-0302		**Direct Coupled Actuators** *(23 09 23 53-0284)*		
23 09 23 53-0303	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	727.24	116.59
23 09 23 53-0304	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	800.67	116.59
23 09 23 53-0305	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	926.92	116.59
23 09 23 53-0306	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	684.27	116.59
23 09 23 53-0307	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	763.24	116.59
23 09 23 53-0308	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	841.44	116.59
23 09 23 53-0309	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	767.56	116.59
23 09 23 53-0310	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	880.16	116.59
23 09 23 53-0311	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	1,001.69	116.59
23 09 23 53-0312	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	625.69	116.59
23 09 23 53-0313	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	685.65	116.59
23 09 23 53-0314	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	806.10	116.59
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	862.80	116.59
23 09 23 53-0316	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	862.09	116.59
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,017.57	116.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0318	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	650.26	116.59
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,134.71	116.59
23 09 23 53-0320	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	490.92	116.59
23 09 23 53-0321	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	745.68	116.59
23 09 23 53-0322		Thermostats *(23 09 23 53-0140)*		
23 09 23 53-0323		Electric And Electronic Thermostats *(23 09 23 53-0322)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0324	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	265.61	24.04
23 09 23 53-0325	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	284.22	24.04
23 09 23 53-0326	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	263.54	24.04
23 09 23 53-0327	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	291.87	24.04
23 09 23 53-0328	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	313.16	24.04
23 09 23 53-0329	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	449.62	24.04
23 09 23 53-0330	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	643.96	24.04
23 09 23 53-0331	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	1,028.21	24.04
23 09 23 53-0332	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,094.97	24.04
23 09 23 53-0333		Pneumatic Thermostats *(23 09 23 53-0322)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0334	EA	Pneumatic Thermostat (Honeywell TP970B2182)	353.52	24.04
23 09 23 53-0335		Thermostats Guards *(23 09 23 53-0322)*		
23 09 23 53-0336	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	88.29	24.04
23 09 23 53-0337	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	103.80	24.04
23 09 23 53-0338	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	98.22	24.04
23 09 23 53-0339		Johnson Controls *(23 09 23 53)*		
23 09 23 53-0340		Software *(23 09 23 53-0339)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0341	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,124.10	
23 09 23 53-0342	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,967.01	
23 09 23 53-0343	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,312.24	
23 09 23 53-0344	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,945.56	
23 09 23 53-0345	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,382.25	
23 09 23 53-0346	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,322.96	
23 09 23 53-0347	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,315.80	
23 09 23 53-0348	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	532.45	
23 09 23 53-0349		Supervisory Controllers *(23 09 23 53-0339)*		
23 09 23 53-0350	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	10,086.22	641.10
23 09 23 53-0351	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	15,154.35	641.10
23 09 23 53-0352	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	20,233.72	641.10
23 09 23 53-0353	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	8,134.00	641.10
23 09 23 53-0354		Controllers *(23 09 23 53-0339)*		
23 09 23 53-0355	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,179.67	160.27
23 09 23 53-0356	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,517.61	320.55
23 09 23 53-0357	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	2,057.75	320.55
23 09 23 53-0358	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,395.68	320.55
23 09 23 53-0359	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	985.79	160.27
23 09 23 53-0360	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	1,071.96	160.27
23 09 23 53-0361	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,201.22	160.27
23 09 23 53-0362	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,218.45	160.27
23 09 23 53-0363	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,483.60	320.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0364	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,195.34	160.27
23 09 23 53-0365	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,686.77	160.27
23 09 23 53-0366		**Master FX Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0367	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	3,076.36	320.55
23 09 23 53-0368	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	3,280.56	320.55
23 09 23 53-0369	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,382.03	320.55
23 09 23 53-0370	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	3,320.36	320.55
23 09 23 53-0371	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	3,223.99	320.55
23 09 23 53-0372	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	3,239.44	320.55
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	3,223.99	320.55
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	3,280.78	320.55
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,457.13	320.55
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,574.69	320.55
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,515.91	320.55
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,395.58	320.55
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	3,280.78	320.55
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,457.13	320.55
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,574.69	320.55
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,515.91	320.55
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,395.58	320.55
23 09 23 53-0384	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	368.56	80.14
23 09 23 53-0385	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	513.23	80.14
23 09 23 53-0386	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	409.17	80.14
23 09 23 53-0387	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	368.56	80.14
23 09 23 53-0388	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	1,012.55	80.14
23 09 23 53-0389	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	938.13	80.14
23 09 23 53-0390	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	955.55	80.14
23 09 23 53-0391	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	955.55	80.14
23 09 23 53-0392	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	1,042.59	80.14
23 09 23 53-0393	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	1,042.59	80.14
23 09 23 53-0394	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,292.82	80.14
23 09 23 53-0395	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,292.82	80.14
23 09 23 53-0396	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,434.26	80.14
23 09 23 53-0397	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,434.26	80.14
23 09 23 53-0398		**VAV, Network And Special Sensors** *(23 09 23 53-0339)*		
23 09 23 53-0399	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	665.24	51.28
23 09 23 53-0400	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	237.93	51.28
23 09 23 53-0401	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	520.07	51.28
23 09 23 53-0402	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	766.48	51.28
23 09 23 53-0403	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	269.93	51.28
23 09 23 53-0404	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	697.00	51.28
23 09 23 53-0405		**Sensors - Hard Wired Type** *(23 09 23 53-0339)*		
23 09 23 53-0406	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	250.10	92.32
23 09 23 53-0407	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	201.35	51.28
23 09 23 53-0408	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	522.91	24.04
23 09 23 53-0409	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	699.76	24.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0410	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	523.88	24.04
23 09 23 53-0411	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	681.22	51.28
23 09 23 53-0412	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	834.27	51.28
23 09 23 53-0413		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0414	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	505.01	24.04
23 09 23 53-0415	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	363.34	24.04
23 09 23 53-0416	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	400.29	108.28
23 09 23 53-0417	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	581.47	108.28
23 09 23 53-0418	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	84.44	16.03
23 09 23 53-0419	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	284.42	160.27
23 09 23 53-0420	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	453.86	26.53
23 09 23 53-0421	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	801.04	48.18
23 09 23 53-0422	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,595.46	48.18
23 09 23 53-0423	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,356.56	61.02
23 09 23 53-0424	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	393.40	92.32
23 09 23 53-0425	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	318.45	51.28
23 09 23 53-0426	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	677.81	75.65
23 09 23 53-0427	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	123.07	8.01
23 09 23 53-0428	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,111.37	153.86
23 09 23 53-0429	EA	MMI Extension Cable (Siemens 545-712)	261.40	8.01
23 09 23 53-0430	EA	Remote Pressure Transmitter (Siemens 547-003)	1,569.52	51.28
23 09 23 53-0431	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	981.92	38.47
23 09 23 53-0432	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	871.49	102.58
23 09 23 53-0433	EA	Door Lock And Key Assembly (Siemens 567-225)	51.49	32.06
23 09 23 53-0434	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	15,771.20	
23 09 23 53-0435	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	652.27	
23 09 23 53-0436	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,548.34	
23 09 23 53-0437	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	533.42	16.02
23 09 23 53-0438	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,118.35	27.77
23 09 23 53-0439	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,323.43	64.11
23 09 23 53-0440	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,157.53	64.11
23 09 23 53-0441	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	197.84	24.04
23 09 23 53-0442	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	481.99	56.53
23 09 23 53-0443	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	513.80	56.53
23 09 23 53-0444	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0445	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0446	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0447	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,118.02	
23 09 23 53-0448	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,820.76	
23 09 23 53-0449	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0450	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	862.58	3.20
23 09 23 53-0451	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	961.90	12.83
23 09 23 53-0452	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	490.61	3.20
23 09 23 53-0453	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	523.27	89.75
23 09 23 53-0454	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	880.28	89.75
23 09 23 53-0455	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,222.65	102.58
23 09 23 53-0456	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	49.27	16.03
23 09 23 53-0457	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	859.93	40.06
23 09 23 53-0458	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,370.81	40.06
23 09 23 53-0459	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,048.15	40.06
23 09 23 53-0460	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,585.94	40.06
23 09 23 53-0461	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,626.49	80.14
23 09 23 53-0462	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	5,975.12	80.14
23 09 23 53-0463	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,803.10	80.14
23 09 23 53-0464	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,893.41	80.14
23 09 23 53-0465	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,258.12	80.14
23 09 23 53-0466	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,016.47	80.14
23 09 23 53-0467	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,747.08	80.14
23 09 23 53-0468	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,998.90	80.14
23 09 23 53-0469	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,936.43	80.14
23 09 23 53-0470	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,162.06	80.14
23 09 23 53-0471	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,930.74	80.14
23 09 23 53-0472	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,160.52	80.14
23 09 23 53-0473	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,065.07	80.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0474	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,081.43	80.14
23 09 23 53-0475	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,365.84	
23 09 23 53-0476	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	559.46	40.06
23 09 23 53-0477	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	411.98	40.06
23 09 23 53-0478	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	934.21	32.06
23 09 23 53-0479	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	321.84	40.06
23 09 23 53-0480	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	323.88	51.28
23 09 23 53-0481	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	164.51	40.06
23 09 23 53-0482	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	126.79	40.06
23 09 23 53-0483	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	358.80	80.14
23 09 23 53-0484	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	232.94	60.10
23 09 23 53-0485	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,840.93	516.40
23 09 23 53-0486	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	45.41	16.03
23 09 23 53-0487	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.89	
23 09 23 53-0488	EA	16 Digital Input Module (Siemens TXM1.16D)	684.86	16.03
23 09 23 53-0489	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,032.83	16.03
23 09 23 53-0490	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,653.80	32.06
23 09 23 53-0491	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	506.90	9.61

23 09 23 53-0492 Trane Controls *(23 09 23 53)*

23 09 23 53-0493 Software *(23 09 23 53-0492)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0494	EA	Summit + Building Management Package (Trane 40201152)	7,881.43	
23 09 23 53-0495	EA	Summit Current Version Software (Trane 40201111)	4,493.81	
23 09 23 53-0496	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,061.83	
23 09 23 53-0497	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,467.31	
23 09 23 53-0498	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,172.31	

23 09 23 53-0499 EMCS Central Equipment And Controllers *(23 09 23 53-0492)*

23 09 23 53-0500	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	7,740.06	641.10
23 09 23 53-0501	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	16,357.70	641.10
23 09 23 53-0502	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	16,357.70	641.10
23 09 23 53-0503	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	14,486.51	641.10
23 09 23 53-0504	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	16,662.13	641.10
23 09 23 53-0505	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	268.59	40.06
23 09 23 53-0506	EA	Summit Comm5 Repeater (Trane 49500457)	2,080.72	320.55
23 09 23 53-0507	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,426.93	400.69
23 09 23 53-0508	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	4,372.03	480.82
23 09 23 53-0509	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,507.37	480.82
23 09 23 53-0510	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	3,019.54	480.82
23 09 23 53-0511	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	3,016.85	480.82
23 09 23 53-0512	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,318.46	160.27
23 09 23 53-0513	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,210.98	160.27
23 09 23 53-0514	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	2,207.09	320.55
23 09 23 53-0515	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	2,117.95	320.55
23 09 23 53-0516	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,171.61	160.27
23 09 23 53-0517	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	1,042.19	160.27
23 09 23 53-0518	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,490.07	160.27
23 09 23 53-0519	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,361.36	160.27
23 09 23 53-0520	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,183.13	160.27
23 09 23 53-0521	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	1,133.71	160.27
23 09 23 53-0522	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,285.47	160.27
23 09 23 53-0523	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,183.13	160.27
23 09 23 53-0524	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,720.07	320.55
23 09 23 53-0525	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,847.35	320.55

23 09 23 53-0526 Network, VAV And Special Sensors *(23 09 23 53-0492)*

23 09 23 53-0527	EA	Digital Display Zone Sensor (Trane X13790464010)	274.87	51.28
23 09 23 53-0528	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	191.50	51.28
23 09 23 53-0529	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	177.44	51.28
23 09 23 53-0530	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	336.10	57.70
23 09 23 53-0531	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	210.72	51.28
23 09 23 53-0532	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	210.72	51.28
23 09 23 53-0533	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	693.85	92.32
23 09 23 53-0534	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	619.40	51.28
23 09 23 53-0535	EA	Transformer 120/24 40 VA (Trane X13550284010)	170.41	51.28
23 09 23 53-0536	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	165.38	51.28
23 09 23 53-0537	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	157.35	51.28
23 09 23 53-0538	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,898.15	320.55
23 09 23 53-0539	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,829.48	320.55
23 09 23 53-0540	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,686.19	320.55
23 09 23 53-0541	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,937.80	480.82
23 09 23 53-0542	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,686.19	320.55
23 09 23 53-0543	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,758.87	320.55
23 09 23 53-0544	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,764.54	320.55
23 09 23 53-0545	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	673.21	319.18
23 09 23 53-0546	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	915.12	319.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0547	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	3,242.15	480.82
23 09 23 53-0548	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	3,131.66	480.82
23 09 23 53-0549	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	195.52	63.87
23 09 23 53-0550	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	659.09	63.87
23 09 23 53-0551	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	3,310.45	480.82
23 09 23 53-0552	EA	BACnet Term (2 Pack) (Trane X1365152401)	315.57	114.92
23 09 23 53-0553	EA	Tracer ES Add License (Trane X40250125010)	4,024.85	
23 09 23 53-0554	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,883.08	641.10
23 09 23 53-0555	EA	Kit - Tracer TU Complete (Trane X4509151301)	7,566.54	641.10
23 09 23 53-0556	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	741.46	114.92
23 09 23 53-0557	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	445.15	114.92
23 09 23 53-0558	EA	Sensor Wireless Display Sensor (Trane X13790822010)	497.38	114.92
23 09 23 53-0559	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	450.17	114.92
23 09 23 53-0560	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	594.66	114.92
23 09 23 53-0561	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	643.87	114.92

23 09 23 53-0562 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

23 09 23 53-0563 Current Switches And Current Sensors *(23 09 23 53-0562)*

23 09 23 53-0564	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	180.45	51.28
23 09 23 53-0565	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	186.48	51.28
23 09 23 53-0566	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	274.87	51.28
23 09 23 53-0567	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	172.42	51.28
23 09 23 53-0568	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	479.78	51.28
23 09 23 53-0569	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	314.79	51.28
23 09 23 53-0570	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	245.92	51.28
23 09 23 53-0571	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	245.92	51.28
23 09 23 53-0572	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	6,067.93	256.44
23 09 23 53-0573	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,535.86	51.28
23 09 23 53-0574	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,321.94	51.28
23 09 23 53-0575	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	262.09	51.28
23 09 23 53-0576	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	420.04	136.23
23 09 23 53-0577	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	420.53	136.23
23 09 23 53-0578	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	444.63	136.23
23 09 23 53-0579	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	450.66	136.23
23 09 23 53-0580	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	484.81	136.23
23 09 23 53-0581	EA	Toggle Switch	175.55	64.11
23 09 23 53-0582	EA	Maintained Pushbutton Switch	185.39	64.11
23 09 23 53-0583	EA	Manual Time Switch	278.17	64.11
23 09 23 53-0584	EA	Emergency Stop Switch	444.08	64.11
23 09 23 53-0585	EA	Float Switch	460.28	64.11
23 09 23 53-0586	EA	Break Glass Switch	1,397.84	64.11
23 09 23 53-0587	EA	Boiler E-Stop Switch	924.91	64.11

23 09 23 53-0588 Relays *(23 09 23 53-0562)*

23 09 23 53-0589	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	153.33	51.28
23 09 23 53-0590	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	165.69	51.28
23 09 23 53-0591	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	230.30	64.11
23 09 23 53-0592	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	276.52	51.28
23 09 23 53-0593	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	144.37	51.28
23 09 23 53-0594	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	142.56	51.28
23 09 23 53-0595	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	153.33	51.28
23 09 23 53-0596	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	158.98	51.28
23 09 23 53-0597	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	160.52	51.28
23 09 23 53-0598	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	178.25	64.11
23 09 23 53-0599	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	228.67	64.11
23 09 23 53-0600	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	384.18	64.11
23 09 23 53-0601	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	381.95	64.11

23 09 23 53-0602 Surge Protectors *(23 09 23 53-0562)*

23 09 23 53-0603	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	372.29	12.83
23 09 23 53-0604	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	282.52	12.83
23 09 23 53-0605	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	436.99	12.83
23 09 23 53-0606	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	238.69	12.83
23 09 23 53-0607	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	238.69	12.83
23 09 23 53-0608	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	238.69	12.83
23 09 23 53-0609	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	343.08	12.83
23 09 23 53-0610	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	213.63	12.83

23 09 23 53-0611 Transformers *(23 09 23 53-0562)*

23 09 23 53-0612	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	179.13	51.28
23 09 23 53-0613	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	193.15	51.28
23 09 23 53-0614	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	193.15	51.28
23 09 23 53-0615	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	205.84	51.28
23 09 23 53-0616	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	213.66	51.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0617		Power Supplies *(23 09 23 53-0562)*		
23 09 23 53-0618	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	258.02	51.28
23 09 23 53-0619	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	296.93	51.28
23 09 23 53-0620	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	279.39	51.28
23 09 23 53-0621	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	287.69	51.28
23 09 23 53-0622	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	280.29	51.28
23 09 23 53-0623	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	292.67	51.28
23 09 23 53-0624	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	224.57	51.28
23 09 43		**Pneumatic Control System For HVAC** *(23 09)*		
23 09 43 00-0001		Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*		
23 09 43 00-0002		Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	3.17	1.29
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.88	1.33
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.92	1.37
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	6.11	1.41
23 09 43 00-0007		Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.88	1.29
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.07	1.33
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.46	1.37
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	4.18	1.41
23 09 43 00-0012		Nylon Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	3.30	1.25
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	4.21	1.29
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	6.12	1.37
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.70	1.41
23 09 43 00-0017		Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.25	1.29
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.95	1.37
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.87	1.41
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.03	1.45
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.89	1.49
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	10.60	1.52
23 09 43 00-0024		Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	4.27	1.45
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.88	1.49
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.97	1.52
23 09 43 00-0028		Copper Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	6.89	2.79
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	8.34	3.20
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	9.66	3.70
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	11.83	4.26
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	13.22	4.76
23 09 43 00-0034		Brass Couplings *(23 09 43 00-0001)*		
23 09 43 00-0035		Straight Brass Couplings *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	14.95	7.04
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	15.09	7.04
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	15.23	7.04
23 09 43 00-0039		Elbow Brass Couplings *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	15.73	7.04
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	16.20	7.04
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	24.09	10.96
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	27.35	11.74
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	26.85	11.74
23 10		**Facility Fuel Systems** *(23)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.38	2.75
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.11	2.97
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.58	3.22
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.84	3.40
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	13.81	3.58
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.37	3.72
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.19	3.96

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.67
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.67
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.21
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.21
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.15
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.22
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.22
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.19
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	174.46
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	278.47

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.71
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.21
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.21
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.15
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.15
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.86
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.86

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.72
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.72

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.12
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.94
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.86
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.84
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	159.25
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	304.79
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	501.80

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.20
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.98
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	152.44
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	256.58
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	275.57
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	315.41

23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.94	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.53	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.21	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	61.79	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.60	

23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.68	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.12	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.83	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.92	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.92	

23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.27	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	79.22	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.75	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	123.39	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	127.90	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	178.15	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	218.15	

23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.90	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.79	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.23	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	151.98	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	156.72	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	210.29	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	261.68	

23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.14	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	48.59	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.77	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	105.57	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	198.55	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	311.93	

23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

Note: Includes mounting plate.

23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.11	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.48	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.15	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.26	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.03	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	48.02	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.87	

23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.

23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	108.72	28.83
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	121.75	30.28

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.10	25.22
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.50	29.98
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	114.37	36.04
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	144.44	48.15
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	97.93	29.98
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.05	36.04
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	103.91	29.98
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	115.93	36.04
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	230.92	90.10
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.76	29.98
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.76	29.98
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.54	29.98
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	150.56	36.04
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	150.56	36.04
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	174.58	48.15
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	252.87	54.06
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	132.21	29.98
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	312.57	36.04
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	744.59	54.06
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	57.20	21.63
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	61.99	23.07
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	66.60	23.07
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	69.66	24.51
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	73.44	24.51
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	81.44	25.95
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	88.73	25.95
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	95.96	27.39
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	57.20	21.63
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	61.99	23.07
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	66.60	23.07
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	69.66	24.51
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	73.44	24.51
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	81.44	25.95
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	88.73	25.95
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	95.96	27.39
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	57.20	21.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	61.99	23.07
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	66.60	23.07
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	69.66	24.51
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	73.44	24.51
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	81.44	25.95
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	88.73	25.95
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	95.95	27.39
23 11 23 00-0144		**3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	57.20	21.63
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	61.99	23.07
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	77.19	23.07
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	69.66	24.51
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	73.44	24.51
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	81.44	25.95
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	88.73	25.95
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	95.95	27.39
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	61.28	21.63
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	67.06	23.07
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	66.60	23.07
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	76.13	24.51
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	73.44	24.51
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	81.44	25.95
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	88.73	25.95
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	95.95	27.39
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	57.20	21.63
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	72.60	23.07
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	69.66	24.51
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	73.44	24.51
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	81.44	25.95
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	99.53	25.95
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	95.95	27.39
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	57.20	21.63
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	61.99	23.07
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	66.60	23.07
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	69.66	24.51
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	73.44	24.51

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23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	81.44	25.95
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	88.73	25.95
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	95.95	27.39
23 11 23 00-0179		3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	57.20	21.63
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	61.99	23.07
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	66.60	23.07
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	69.66	24.51
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	73.44	24.51
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	81.44	25.95
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	88.73	25.95
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	95.95	27.39
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	67.06	23.07
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	66.60	23.07
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	76.13	24.51
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	80.60	24.51
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	90.53	25.95
23 11 23 00-0194		1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	57.20	21.63
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	61.99	23.07
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	62.36	23.07
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	69.66	24.51
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	68.37	24.51
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	82.98	25.95
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	88.73	25.95
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	95.95	27.39
23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	57.20	21.63
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	58.53	23.07
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	60.02	23.07
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	69.66	24.51
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	73.44	24.51
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	74.82	25.95
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	88.73	25.95
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	95.95	27.39
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	57.20	21.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	61.99	23.07
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	66.60	23.07
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	69.66	24.51
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	64.84	24.51
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	81.44	25.95
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	88.73	25.95
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	95.95	27.39
23 11 23 00-0221		**3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	71.74	21.63
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	76.51	23.07
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	81.11	23.07
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	84.16	24.51
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	88.07	24.51
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	95.62	25.95
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	103.50	25.95
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	110.73	27.39
23 11 23 00-0230		**3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	86.16	28.83
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	90.93	30.28
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	95.53	30.28
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	98.57	31.72
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	102.49	31.72
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	110.04	33.16
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	117.92	33.16
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	125.15	34.60
23 11 23 00-0239		**3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	86.16	28.83
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	90.93	30.28
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	95.53	30.28
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	98.57	31.72
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	102.49	31.72
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	110.04	33.16
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	117.92	33.16
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	125.15	34.60
23 11 23 00-0248		**3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	97.99	28.83
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	102.75	30.28
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	107.36	30.28
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	110.39	31.72

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23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	114.33	31.72
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	121.87	33.16
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	129.75	33.16
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	97.99	28.83
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	102.75	30.28
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	107.36	30.28
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	114.33	31.72
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	121.87	33.16
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	129.75	33.16
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	97.99	28.83
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	102.75	30.28
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	107.36	30.28
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	110.39	31.72
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	114.33	31.72
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	121.87	33.16
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	129.75	33.16
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	136.98	34.60
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	83.04	28.83
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	87.83	30.28
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	92.45	30.28
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	95.46	31.72
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	99.39	31.72
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	106.92	33.16
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	122.00	34.60
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	96.24	30.28
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	101.79	30.28
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	54.43	15.34
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	55.49	15.66
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	78.46	17.22
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	54.07	15.34
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	57.19	15.66
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	62.19	15.66
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	68.78	16.43
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	71.33	16.43
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	71.33	16.43
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	55.97	15.34
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	59.09	15.66
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	72.68	16.43

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23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	59.34	15.66
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	79.90	17.22
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	55.88	15.34
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	53.82	15.34
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	55.48	15.66
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	75.71	17.22
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	100.30	19.57
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	139.65	20.35
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	164.75	23.48
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	201.52	28.17
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	56.58	15.66
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	75.38	17.22

23 11 23 00-0308 Gas Stops *(23 11 23)*

23 11 23 00-0309 Brass/Bronze Gas Stops *(23 11 23 00-0308)*

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	67.72	15.66
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	68.16	15.66
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	89.75	17.22
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	124.16	19.57
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	164.36	20.82
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	205.40	24.10
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	281.11	28.49

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	89.20	15.66
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	110.45	17.22
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	136.64	19.57
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	176.48	20.82
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	220.63	24.10
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	284.57	28.49
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	539.35	38.49
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	718.36	44.69

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	215.67	15.66
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	251.04	15.66
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	320.26	17.22
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	477.39	19.57
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	849.64	24.10
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,436.55	28.49
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,782.16	38.49
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,675.04	44.69

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	26.73	10.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.63*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	32.03	12.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.95*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	42.82	18.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.54*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	50.09	21.05
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.14*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	58.36	23.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-26.48*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	78.79	27.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-31.44*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	103.79	33.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-37.49*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	226.29	41.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-47.16*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	210.82	103.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.26*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	249.27	124.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-139.52*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	297.44	144.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-162.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	361.76	165.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-182.60*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	433.67	185.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.84*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	613.64	232.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-261.05*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	784.28	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,685.33	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	211.24	103.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.26*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	249.40	124.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-139.52*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	297.88	144.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-162.20*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	370.62	171.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-189.21*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	433.51	185.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.84*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	613.64	232.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-261.05*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,282.12	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,685.33	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	411.90	155.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-174.39*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	508.28	186.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-210.02*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	579.43	216.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-243.29*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	729.84	257.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-283.93*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	866.59	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	1,088.81	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,707.79	419.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-471.57*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,269.83	509.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-573.29*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	533.33	155.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-174.39*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	681.73	186.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.77*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	800.16	216.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-243.28*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	917.79	257.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-283.93*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	1,021.79	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,334.26	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	2,017.37	419.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-471.57*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,607.30	509.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-573.29*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	307.01	103.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.26*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	395.59	124.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-139.52*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	435.72	144.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-162.20*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	505.89	171.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-189.21*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	566.17	185.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.84*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	749.11	232.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-261.05*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	953.04	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,293.18	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	252.75	103.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.26*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	291.95	124.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-139.52*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	332.19	144.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-162.20*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	404.48	171.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-189.21*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	466.93	185.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.84*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	475.69	232.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-261.05*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	602.56	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	918.52	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	45.58	12.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.95*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	91.08	24.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-27.83*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	146.47	19.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.41*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	170.94	26.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-29.27*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	157.76	18.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.88*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	191.66	27.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-31.32*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	236.85	31.18
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-34.46*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	282.02	33.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-37.63*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	155.62	38.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-43.86*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	213.00	55.69
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-62.61*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	253.41	39.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-44.57*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	380.32	59.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-66.76*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	294.25	40.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-45.98*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	387.45	61.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.96*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	179.79	103.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.26*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	216.20	124.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-139.52*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	250.24	144.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-162.20*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	299.26	171.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-189.21*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	338.41	185.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.84*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	436.01	232.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-261.05*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	553.09	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	677.68	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	182.89	103.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.26*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	220.30	124.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-139.52*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	254.84	139.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-156.35*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	305.82	165.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-182.74*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	356.40	185.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.84*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	439.13	222.20
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-249.90*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	581.08	279.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-314.39*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	789.61	346.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-389.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0099		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings** *(23 11 26)*		
23 11 26 00-0100		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing** *(23 11 26 00-0099)*		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	144.37	44.54
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	171.97	52.77
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	223.52	77.85
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	310.83	100.91
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	434.74	119.73
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	585.27	142.02
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	746.99	179.18
23 11 26 00-0108		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings** *(23 11 26 00-0099)*		
23 11 26 00-0109		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,473.20	551.28
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,858.38	661.70
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,553.23	768.96
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	6,064.53	990.33
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,692.26	1,238.15
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	13,005.89	1,489.59
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	17,315.82	1,844.62
23 11 26 00-0117		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,476.78	551.28
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,852.10	661.70
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,548.30	768.96
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	6,035.50	990.33
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,650.24	1,238.15
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,949.14	1,490.28
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	17,244.09	1,848.80
23 11 26 00-0125		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees** *(23 11 26 00-0108)*		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,467.14	826.92
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,328.36	996.59
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,896.92	1,154.02
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,790.66	1,490.98
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,837.36	1,848.80
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,746.98	2,233.90
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	22,753.45	2,708.52
23 11 26 00-0133		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** *(23 11 26 00-0108)*		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,974.80	826.92
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,484.37	995.44
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,637.99	1,154.02
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,717.72	1,490.98
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,884.93	1,848.80
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	20,590.94	2,233.90
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,943.59	2,708.52
23 11 26 00-0141		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,713.79	551.28
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,594.14	661.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,877.87	768.96
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	5,057.20	990.33
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,835.96	1,238.15
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,861.96	1,489.59
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	12,368.63	1,844.62

23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*

23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,040.00	551.28
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,307.36	661.70
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,592.33	768.96
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,825.02	990.33
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,440.95	1,238.15
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,510.24	1,489.59
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,716.63	1,844.62

23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*

23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	434.24	66.17
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	867.98	132.05
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,616.47	101.49
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,846.05	138.81
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,761.64	98.99
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,084.03	148.56
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,146.39	178.49
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,518.00	208.00
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,053.38	296.97
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,725.47	211.34
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,091.70	316.61
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,219.28	218.03
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,159.64	327.04

23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*

23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,687.55	741.52
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,452.63	990.33
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,092.47	1,185.38
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	4,243.47	1,489.59
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	6,115.93	1,844.62

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,635.23	407.52
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,734.83	493.24
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,913.29	585.98

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,813.58	407.52
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,917.76	493.24
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	2,021.69	585.98

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,250.73	228.34
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,463.13	255.75
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,603.80	286.67
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,755.73	323.20
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,414.66	359.74
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,931.65	402.59
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,251.72	451.08
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,938.42	504.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,625.65	565.60
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	5,179.73	634.46
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,807.20	711.19

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,336.03	210.79
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,580.13	235.38
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,766.06	245.91
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,996.96	256.46
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,250.90	263.48

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,806.79	959.72
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,224.84	959.72
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,747.72	1,199.57
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	38,124.46	2,343.04
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	60,577.30	3,012.31
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	67,503.37	3,459.74
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	73,017.66	4,574.48
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	75,538.36	4,911.50
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	92,158.63	5,802.32
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	106,727.74	6,692.56
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	136,316.39	7,359.74
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	161,637.35	8,935.90
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	167,005.08	9,483.31
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	205,516.60	15,042.51
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	252,751.21	19,506.45
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	297,681.70	22,318.93
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	382,029.41	23,992.84
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	516,157.33	24,608.11

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,903.13	959.72
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,157.86	1,199.57
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,005.07	1,484.20
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,110.32	1,807.83
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,208.46	2,120.29
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,450.34	2,789.86
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,982.59	4,240.60
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,029.77	5,356.55
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,362.58	6,026.11
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,985.96	7,142.05
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	29,486.43	8,481.20
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	36,304.27	10,601.49
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	45,927.84	14,172.52
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	68,091.06	17,631.95
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	83,329.96	21,202.98
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	119,126.48	30,688.52
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	168,869.54	39,058.12

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,334.46	959.72
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,292.72	1,199.57
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,740.43	1,450.73
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	19,203.20	2,120.44
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,632.47	2,789.86
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	25,076.69	4,240.60
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	28,023.34	5,356.55
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	34,354.41	6,026.11
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	36,977.78	7,142.05
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	44,727.53	8,481.20
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	61,352.13	10,601.49
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	76,160.17	14,172.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	117,559.96	21,202.98

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	3,294.80	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.80	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.96	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.92	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.40	

23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks *(23 13 13 23)*

Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).

23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day	1,300.00	
		Note: Includes inspection report and repair estimate.		
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair	110.93	
		Note: 50 SF minimum.		
23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway	9,789.12	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway	14,556.26	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement	134.92	
		Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair	287.83	
		Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.		
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non-Gusseted Flange Installation	4,323.40	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*142.00*	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non-Gusseted Flange Installation	4,356.38	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*153.00*	
23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non-Gusseted Flange Installation	4,425.34	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*176.00*	
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non-Gusseted Flange Installation	4,605.24	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*236.00*	
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non-Gusseted Flange Installation	4,671.20	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*318.00*	
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non-Gusseted Flange Installation	5,018.99	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*374.00*	
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation	4,638.22	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*247.00*	
		For Blade Gusseted Outlet, Add	*695.73*	
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation	4,686.19	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*263.00*	
		For Blade Gusseted Outlet, Add	*702.93*	
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation	4,830.10	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*135.00*	
		For Blade Gusseted Outlet, Add	*724.52*	
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation	5,129.92	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*175.00*	
		For Blade Gusseted Outlet, Add	*769.49*	
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation	5,315.81	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*215.00*	
		For Blade Gusseted Outlet, Add	*797.37*	
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation	5,798.52	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*260.00*	
		For Blade Gusseted Outlet, Add	*869.78*	
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation	8,649.81	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Blade Gusseted Outlet, Add	*1,297.47*	
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,332.40	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*435.00*	
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,332.40	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*435.00*	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,332.40	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*435.00*	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,253.15	183.08
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,343.83	192.23
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,457.58	205.96
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,667.32	219.69
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,852.30	228.85
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,185.72	274.61
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,920.30	320.38
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,678.88	366.15
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,694.61	411.92
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,232.04	457.69
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,998.34	549.23
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,730.35	640.76
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,482.91	732.30
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,289.49	778.08
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,101.21	823.84
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,020.95	869.61
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,827.53	915.38
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,092.68	1,098.46
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,045.83	1,189.99
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,346.98	1,373.06
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,653.26	1,556.14
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,503.44	183.08
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,595.83	192.23
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,709.58	205.96
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,917.61	219.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,102.59	228.85
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,437.73	274.61
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,196.31	320.38
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,954.89	366.15
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,970.62	411.92
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,508.05	457.69
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,274.34	549.23
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,006.35	640.76
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,758.92	732.30
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,565.50	778.08
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,377.22	823.84
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,298.67	869.61
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,105.25	915.38
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,368.68	1,098.46
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,321.83	1,189.99
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,622.98	1,373.06
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,929.27	1,556.14
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,451.46	183.08
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,533.57	192.23
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,609.60	205.96
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,886.20	219.69
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,992.32	228.85
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,315.46	274.61
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,986.61	320.38
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,016.05	366.15
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,640.91	411.92
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,340.66	457.69
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,309.24	549.23
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,907.54	640.76
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,708.10	732.30
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,478.68	778.08
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,489.26	823.84
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,920.42	869.61
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,308.70	915.38
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,100.15	1,098.46
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,802.45	1,189.99
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,696.76	1,373.06
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,620.20	1,556.14
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,582.91	183.08
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,665.02	192.23
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,741.05	205.96
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,017.65	219.69
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,123.77	228.85
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,446.91	274.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,118.06	320.38
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,147.50	366.15
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,847.80	411.92
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,077.81	457.69
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,046.40	549.23
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,646.41	640.76
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,445.26	732.30
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,217.55	778.08
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,226.42	823.84
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,657.57	869.61
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,045.86	915.38
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,837.31	1,098.46
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,541.33	1,189.99
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,433.92	1,373.06
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,357.35	1,556.14
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,215.49	183.08
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,306.17	192.23
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,383.92	205.96
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,669.09	219.69
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,823.21	228.85
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,118.93	274.61
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,815.79	320.38
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,893.23	366.15
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,540.38	411.92
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,305.27	457.69
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,321.85	549.23
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,867.00	640.76
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,770.43	732.30
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,698.72	778.08
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,632.16	823.84
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,113.03	869.61
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,475.60	915.38
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,344.19	1,098.46
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,127.07	1,189.99
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,101.95	1,373.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,102.53	1,556.14
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,346.95	183.08
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,437.63	192.23
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,515.37	205.96
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,800.54	219.69
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,954.66	228.85
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,246.95	274.61
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,947.24	320.38
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,024.68	366.15
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,671.83	411.92
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,042.42	457.69
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,059.01	549.23
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,775.59	640.76
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,507.58	732.30
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,435.88	778.08
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,369.32	823.84
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,850.19	869.61
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,214.48	915.38
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,081.35	1,098.46
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,864.23	1,189.99
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,839.11	1,373.06
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,839.69	1,556.14
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,241.97	183.08
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,343.21	192.23
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,456.62	205.96
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,658.27	219.69
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,178.15	228.85
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,254.43	274.61
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,824.03	320.38
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,481.87	366.15
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,544.78	411.92
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,684.62	457.69
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,823.82	549.23
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,354.29	640.76
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,887.01	732.30
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,648.95	778.08
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,413.15	823.84
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,080.08	869.61
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,753.75	915.38
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,194.85	1,098.46
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,524.12	1,189.99
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,042.17	1,373.06
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,510.42	1,556.14
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,309.27	192.23
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,422.93	205.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,541.35	219.69
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,745.31	228.85
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,354.25	274.61
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,430.53	320.38
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	3,027.53	366.15
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,717.69	411.92
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,835.41	457.69
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	6,034.35	503.46
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	7,228.34	595.00
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,779.81	686.53
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,333.65	778.08
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	9,133.68	823.84
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,936.11	869.61
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,635.84	915.38
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,418.99	1,006.91
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,923.20	1,189.99
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	14,470.41	1,373.06
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	16,055.83	1,556.14
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	17,588.71	1,739.22
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,420.74	183.08
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,544.61	192.23
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,671.59	205.96
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,918.50	219.69
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,535.69	228.85
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,611.97	274.61
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,263.03	320.38
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,027.23	366.15
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,275.08	411.92
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,671.25	457.69
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,011.84	549.23
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,612.47	640.76
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,217.60	732.30
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,122.10	778.08
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,028.86	823.84
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,802.13	869.61
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,593.49	915.38
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,272.20	1,098.46
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,841.33	1,189.99
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,596.98	1,373.06
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,302.84	1,556.14
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,497.97	192.23
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,635.51	205.96
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,768.27	219.69
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	2,020.00	228.85
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,731.66	274.61
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,807.94	320.38
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,490.92	366.15
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,293.35	411.92
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,606.28	457.69
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	7,075.78	503.46
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,482.37	595.00
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	9,107.89	686.53
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,738.16	778.08
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,688.67	823.84
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,641.59	869.61
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,453.56	915.38
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,360.94	1,006.91
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	15,115.95	1,189.99
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,916.35	1,373.06
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,752.58	1,556.14
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	20,536.26	1,739.22

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,598.10	995.02
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,731.67	1,204.48
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,102.50	1,669.09
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,751.88	2,086.36
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	14,120.32	2,742.11
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,032.07	2,822.75
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	30,455.63	3,489.94
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	41,665.86	3,998.81
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	49,580.27	4,362.31
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	57,501.16	4,798.57
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,658.04	5,331.69
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	79,553.35	6,855.04
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	108,402.09	7,997.62

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,808.33	1,241.56
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,586.69	1,502.44
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	14,125.99	2,086.36
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	18,498.40	2,607.96
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	23,745.02	3,427.59
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,576.03	3,427.59
		For 1/4" Thick Shell, Add	*6,858.25*	
		For Fireguard® Tanks, Add	*4,044.88*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	33,547.69	3,528.33
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	41,229.37	3,937.50
		For 1/4" Thick Shell, Add	*9,895.05*	
		For Fireguard® Tanks, Add	*6,074.98*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	48,910.92	4,346.54
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	54,524.38	4,517.35
		For 1/4" Thick Shell, Add	*13,085.85*	
		For Fireguard® Tanks, Add	*8,197.40*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	67,403.97	4,998.55
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	80,441.93	5,452.96
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	93,447.68	5,998.13
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	103,442.03	6,664.72
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	129,157.60	8,568.83
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	152,973.97	9,282.89
		For Fireguard® Tanks, Add	*23,803.58*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	176,790.38	9,996.94

23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks *(23 13 23 16)*

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,936.49	1,502.44
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,938.70	1,721.25
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	20,193.27	2,086.36
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	24,187.08	2,607.96
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	30,931.74	3,427.59

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	5,181.40	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	6,264.01	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	13,587.09	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	14,901.33	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	21,130.28	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	23,671.70	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	31,226.36	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	36,662.50	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	41,635.21	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	50,706.77	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	64,884.33	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	29,102.52	2,075.52
		For Low Profile Tanks, Add	*10,482.59*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	36,560.73	2,343.04
		For Low Profile Tanks, Add	*13,316.54*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	64,400.58	2,789.86
		For Low Profile Tanks, Add	*24,203.10*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	102,627.67	6,136.37
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	117,119.06	6,701.93
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	131,730.88	7,237.58
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	146,310.41	7,853.73
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	160,880.04	8,359.93

23 13 23 26-0010 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 26-0011		Aboveground Concrete Vaulted Storage Tank *(23 13 23 26-0010)* Note: Convault tank with 20 year warranty Includes vents, clock gauge, fill limited, 7 gallon overfills, slick port, and complete sign package.		
23 13 23 26-0012	EA	500 Gallon Concrete Vaulted Tank	23,812.99	
23 13 23 26-0013	EA	1000 Gallon Concrete Vaulted Tank	31,705.57	
23 13 23 26-0014	EA	2000 Gallon Concrete Vaulted Tank	51,552.03	
23 13 23 26-0015	EA	Dual 500 Gallon Concrete Vaulted Tank	41,075.96	
23 13 23 26-0016	EA	Split 1,000 Gallon Concrete Vaulted Tank	41,075.96	
23 13 23 26-0017	EA	Dual 1,000 Gallon Concrete Vaulted Tank	57,280.28	
23 13 23 26-0018	EA	Split 2,000 Gallon Concrete Vaulted Tank	57,280.28	
23 13 23 26-0019		Accessories For Aboveground Concrete Vaulted Storage Tank *(23 13 23 26-0010)*		
23 13 23 26-0020		Pumps *(23 13 23 26-0019)*		
23 13 23 26-0021	EA	Astra 3/4 HP Suction Pump For Gas With Hose, Nozzle Swivel, Breakaway And Ball Valve	12,609.58	
23 13 23 26-0022	EA	Astra 3/4 HP Suction Pump For Diesel With Hose, Nozzle Swivel, Breakaway And Ball Valve	13,074.53	
23 13 23 26-0023	EA	Astra 3/4 HP Suction Pump For Vapor With Hose, Nozzle Swivel, Breakaway And Ball Valve	14,255.52	
23 13 23 26-0024		Monitor *(23 13 23 26-0019)*		
23 13 23 26-0025	EA	Electronic High Level / Leak Monitoring System For Single Compartment Tank	3,899.42	
23 13 23 26-0026	EA	Electronic High Level / Leak Monitoring System For Dual/Split Compartment Tank	5,427.57	
23 13 23 26-0027	EA	Electronic Gauging Including High/Leak Monitoring For Single Compartment Tank	11,716.87	
23 13 23 26-0028	EA	Electronic Gauging Including High/Leak Monitoring For Dual/Split Compartment Tank	16,242.43	
23 13 23 26-0029		Heaters *(23 13 23 26-0019)*		
23 13 23 26-0030	EA	Bung Heater For 500 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1	6,686.05	
23 13 23 26-0031	EA	Bung Heater For 1,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1	6,785.24	
23 13 23 26-0032	EA	Bung Heater For 2,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1	6,899.93	
23 13 23 26-0033		Fuel Management *(23 13 23 26-0019)*		
23 13 23 26-0034	EA	TopKat Fuel Management Key System (50) Keys Direct Connection With Windows Software	20,148.05	
23 13 23 26-0035	EA	TopKat Fuel Management Key System (50) Keys Modem Connection With Windows Software	21,387.93	
23 13 33		**Facility Fuel-Oil, Storage Tank Accessories** *(23 13)*		
23 13 33 00-0001		EPA Requirements *(23 13 33)*		
23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	788.79	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	5,011.38	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,872.19	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	183.92	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	494.11	
23 13 33 00-0008	EA	Manhole Spill Containment	1,431.56	363.82
23 13 33 00-0009	EA	Fill Adapter, 4"	425.04	242.60
23 13 33 00-0010	EA	Fill Cap, 4"	285.89	90.96
23 13 33 00-0011	EA	2" Vent Cap	174.06	60.69
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	545.39	90.96
23 13 33 00-0013	EA	Float Vent Valve	510.74	181.91
23 13 33 00-0014	EA	Vapor Hose Adapter	535.39	121.22
23 13 33 00-0015	EA	Dust Cap	236.28	66.21
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	536.21	103.91
23 13 33 00-0017	EA	10' Wood Gage Stick	44.32	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	189.70	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	253.82	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	96.46	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	126.36	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	191.37	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,108.43	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	2,052.15	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,423.81	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,643.84	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,899.70	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	4,122.35	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	5,080.58	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,626.27	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,901.86	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	8,162.13	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	9,136.80	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,547.22	
23 13 33 00-0035		Tank Bulkhead Fittings *(23 13 33)*		
23 13 33 00-0036		Tank Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	54.64	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	60.95	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	66.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	79.68	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	82.81	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	105.91	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	161.56	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	273.41	
23 13 33 00-0046		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	62.19	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	68.48	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	74.79	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	91.84	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	98.16	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	119.82	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	180.11	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	299.74	
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	63.91	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	73.42	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	82.62	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	105.68	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	135.44	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	205.30	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	315.40	
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	73.48	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	86.16	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	104.90	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	126.58	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	129.71	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	181.47	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	316.47	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	555.71	
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	66.46	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	83.97	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	87.11	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	90.24	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	122.12	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	152.39	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	253.42	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	289.63	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	354.85	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	408.45	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	470.23	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	590.83	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	766.27	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	846.24	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	261.95	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	263.14	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	381.22	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	389.77	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	522.34	

23 20 HVAC Piping and Pumps *(23)*

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

See CSI section 22 11 16 00-0000 for additional galvanized or copper piping, 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0002		**Threaded Black Steel Pipe Assemblies** *(23 21 13 23-0001)* Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.		
23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.57	5.77
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.03*	
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.70	6.20
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.65*	
		For Work In Restricted Working Space, Add	*6.23*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.37	6.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.43*	
		For Work In Restricted Working Space, Add	*6.57*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.63	7.07
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.05*	
		For Work In Restricted Working Space, Add	*7.09*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	37.56	8.36
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.69*	
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	44.28	10.09
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*11.62*	
		For Work In Restricted Working Space, Add	*8.09*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	61.91	11.97
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*16.93*	
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	78.23	16.00
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*21.60*	
		For Work In Restricted Working Space, Add	*12.30*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	104.28	18.52
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*30.41*	
		For Work In Restricted Working Space, Add	*13.37*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	152.76	23.66
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*46.49*	
		For Work In Restricted Working Space, Add	*15.94*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	183.40	27.98
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*56.39*	
		For Work In Restricted Working Space, Add	*18.06*	
23 21 13 23-0014		**Threaded Black Steel Pipe And Fittings** *(23 21 13 23-0001)* Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015		**Threaded And Coupled, Black Steel Piping** *(23 21 13 23-0014)* Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.44	3.60
		For Schedule 80 Pipe, Add	*1.70*	
		For Work In Restricted Working Space, Add	*2.18*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.35	5.77
		For Schedule 80 Pipe, Add	*2.50*	
		For Work In Restricted Working Space, Add	*2.62*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	13.99	6.20
		For Schedule 80 Pipe, Add	*3.04*	
		For Work In Restricted Working Space, Add	*2.79*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	16.32	6.78
		For Schedule 80 Pipe, Add	*3.82*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	19.03	7.07
		For Schedule 80 Pipe, Add	*4.83*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	22.52	8.36
		For Schedule 80 Pipe, Add	*5.75*	
		For Work In Restricted Working Space, Add	*3.76*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	28.25	10.09
		For Schedule 80 Pipe, Add	*7.40*	
		For Work In Restricted Working Space, Add	*4.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	38.69	11.97
		For Schedule 80 Pipe, Add	*11.10*	
		For Work In Restricted Working Space, Add	*5.41*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	51.10	16.00
		For Schedule 80 Pipe, Add	*14.58*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	68.30	18.52
		For Schedule 80 Pipe, Add	*20.99*	
		For Work In Restricted Working Space, Add	*8.35*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	89.20	23.66
		For Schedule 80 Pipe, Add	*27.74*	
		For Work In Restricted Working Space, Add	*10.63*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	112.82	27.98
		For Schedule 80 Pipe, Add	*36.10*	
		For Work In Restricted Working Space, Add	*12.58*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	155.80	33.84
		For Schedule 80 Pipe, Add	*52.39*	
		For Work In Restricted Working Space, Add	*15.19*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	210.73	41.21
		For Schedule 80 Pipe, Add	*73.17*	
		For Work In Restricted Working Space, Add	*18.56*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	281.36	54.16
		For Schedule 80 Pipe, Add	*98.19*	
		For Work In Restricted Working Space, Add	*24.37*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	36.43	21.33
		For 300 Lb. Rating, Add	*12.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	41.48	25.66
		For 300 Lb. Rating, Add	*9.60*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	46.70	28.69
		For 300 Lb. Rating, Add	*11.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*12.91*	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	54.42	32.00
		For 300 Lb. Rating, Add	*18.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	64.90	36.33
		For 300 Lb. Rating, Add	*28.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	75.17	40.94
		For 300 Lb. Rating, Add	*36.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	101.76	52.04
		For 300 Lb. Rating, Add	*61.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	168.42	76.99
		For 300 Lb. Rating, Add	*134.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.85*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	229.44	101.20
		For 300 Lb. Rating, Add	*195.56*	
		For Standard Weight Cast Iron Fittings, Add	*1.24*	
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	329.31	108.32
		For 300 Lb. Rating, Add	*410.26*	
		For Standard Weight Cast Iron Fittings, Add	*2.67*	
		For Work In Restricted Working Space, Add	*48.73*	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	657.13	113.05
		For 300 Lb. Rating, Add	*1,180.51*	
		For Standard Weight Cast Iron Fittings, Add	*7.80*	
		For Work In Restricted Working Space, Add	*50.85*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	740.49	118.20
		For 300 Lb. Rating, Add	*1,362.55*	
		For Standard Weight Cast Iron Fittings, Add	*9.01*	
		For Work In Restricted Working Space, Add	*53.16*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	41.03	23.50
		For 300 Lb. Rating, Add	*16.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	46.70	27.10
		For 300 Lb. Rating, Add	*16.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*12.22*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.87	25.08
		For 300 Lb. Rating, Add	*22.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*11.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	53.20	30.42
		For 300 Lb. Rating, Add	*21.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*13.66*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	51.51	28.83
		For 300 Lb. Rating, Add	*22.42*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*12.98*	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	56.31	26.67
		For 300 Lb. Rating, Add	*41.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*12.02*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	64.09	34.17
		For 300 Lb. Rating, Add	*33.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.08	32.43
		For 300 Lb. Rating, Add	*37.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*14.62*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.19	30.99
		For 300 Lb. Rating, Add	*43.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*13.93*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	76.02	38.63
		For 300 Lb. Rating, Add	*47.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*17.36*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	72.84	36.48
		For 300 Lb. Rating, Add	*46.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*16.41*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	72.95	34.74
		For 300 Lb. Rating, Add	*52.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	95.94	46.42
		For 300 Lb. Rating, Add	*67.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*20.89*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	96.05	44.12
		For 300 Lb. Rating, Add	*75.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*19.85*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	92.87	41.95
		For 300 Lb. Rating, Add	*75.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*18.89*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	92.17	40.37
		For 300 Lb. Rating, Add	*79.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.51*	
		For Work In Restricted Working Space, Add	*18.14*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	168.80	64.44
		For 300 Lb. Rating, Add	*179.01*	
		For Standard Weight Cast Iron Fittings, Add	*1.15*	
		For Work In Restricted Working Space, Add	*28.99*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	164.77	58.96
		For 300 Lb. Rating, Add	*188.71*	
		For Standard Weight Cast Iron Fittings, Add	*1.22*	
		For Work In Restricted Working Space, Add	*26.51*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	268.59	89.09
		For 300 Lb. Rating, Add	*332.16*	
		For Standard Weight Cast Iron Fittings, Add	*2.16*	
		For Work In Restricted Working Space, Add	*40.06*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	231.51	76.55
		For 300 Lb. Rating, Add	*286.90*	
		For Standard Weight Cast Iron Fittings, Add	*1.87*	
		For Work In Restricted Working Space, Add	*34.45*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	385.32	103.03
		For 300 Lb. Rating, Add	*563.24*	
		For Standard Weight Cast Iron Fittings, Add	*3.69*	
		For Work In Restricted Working Space, Add	*46.35*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	38.65	21.33
		For 300 Lb. Rating, Add	*17.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	43.46	25.66
		For 300 Lb. Rating, Add	*14.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	49.24	28.69
		For 300 Lb. Rating, Add	*17.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*12.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	55.87	32.00
		For 300 Lb. Rating, Add	*21.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	68.23	36.33
		For 300 Lb. Rating, Add	*36.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	78.46	40.94
		For 300 Lb. Rating, Add	*44.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	103.79	52.04
		For 300 Lb. Rating, Add	*66.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	190.20	76.99
		For 300 Lb. Rating, Add	*186.61*	
		For Standard Weight Cast Iron Fittings, Add	*1.20*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	248.99	101.20
		For 300 Lb. Rating, Add	*242.48*	
		For Standard Weight Cast Iron Fittings, Add	*1.56*	
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	353.12	108.32
		For 300 Lb. Rating, Add	*467.40*	
		For Standard Weight Cast Iron Fittings, Add	*3.05*	
		For Work In Restricted Working Space, Add	*48.73*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	922.74	113.05
		For 300 Lb. Rating, Add	*1,817.97*	
		For Standard Weight Cast Iron Fittings, Add	*12.05*	
		For Work In Restricted Working Space, Add	*50.85*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	947.85	118.20
		For 300 Lb. Rating, Add	*1,860.22*	
		For Standard Weight Cast Iron Fittings, Add	*12.33*	
		For Work In Restricted Working Space, Add	*53.16*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	46.42	26.38
		For 300 Lb. Rating, Add	*17.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*12.02*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	52.12	32.00
		For 300 Lb. Rating, Add	*12.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	61.28	37.05
		For 300 Lb. Rating, Add	*17.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*16.64*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	75.52	43.68
		For 300 Lb. Rating, Add	*27.91*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*19.66*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	94.10	52.04
		For 300 Lb. Rating, Add	*43.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	113.13	61.99
		For 300 Lb. Rating, Add	*53.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	149.62	76.99
		For 300 Lb. Rating, Add	*89.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.55*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	225.68	101.20
		For 300 Lb. Rating, Add	*186.54*	
		For Standard Weight Cast Iron Fittings, Add	*1.18*	
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	289.10	120.24
		For 300 Lb. Rating, Add	*272.17*	
		For Standard Weight Cast Iron Fittings, Add	*1.74*	
		For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	468.39	136.86
		For 300 Lb. Rating, Add	*644.01*	
		For Standard Weight Cast Iron Fittings, Add	*4.21*	
		For Work In Restricted Working Space, Add	*61.55*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	1,041.28	162.48
		For 300 Lb. Rating, Add	*1,928.93*	
		For Standard Weight Cast Iron Fittings, Add	*12.76*	
		For Work In Restricted Working Space, Add	*73.10*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,134.45	185.73
		For 300 Lb. Rating, Add	*2,071.11*	
		For Standard Weight Cast Iron Fittings, Add	*13.70*	
		For Work In Restricted Working Space, Add	*83.54*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	54.97	32.00
		For 300 Lb. Rating, Add	*19.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	64.47	37.05
		For 300 Lb. Rating, Add	*24.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*16.64*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	76.91	43.68
		For 300 Lb. Rating, Add	*31.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*19.66*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	100.30	52.04
		For 300 Lb. Rating, Add	*58.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	117.80	61.99
		For 300 Lb. Rating, Add	*65.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.40*	
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	151.32	76.99
		For 300 Lb. Rating, Add	*93.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.58*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	263.90	101.20
		For 300 Lb. Rating, Add	*278.27*	
		For Standard Weight Cast Iron Fittings, Add	*1.79*	
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	308.65	120.24
		For 300 Lb. Rating, Add	*319.09*	
		For Standard Weight Cast Iron Fittings, Add	*2.06*	
		For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	516.70	136.86
		For 300 Lb. Rating, Add	*759.96*	
		For Standard Weight Cast Iron Fittings, Add	*4.98*	
		For Work In Restricted Working Space, Add	*61.55*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	966.22	162.48
		For 300 Lb. Rating, Add	*1,748.79*	
		For Standard Weight Cast Iron Fittings, Add	*11.56*	
		For Work In Restricted Working Space, Add	*73.10*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,098.01	185.73
		For 300 Lb. Rating, Add	*1,983.65*	
		For Standard Weight Cast Iron Fittings, Add	*13.11*	
		For Work In Restricted Working Space, Add	*83.54*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	37.50	21.33
		For 300 Lb. Rating, Add	*15.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	42.64	25.66
		For 300 Lb. Rating, Add	*12.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	47.95	28.69
		For 300 Lb. Rating, Add	*14.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*12.91*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	55.42	32.00
		For 300 Lb. Rating, Add	*20.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	63.95	36.33
		For 300 Lb. Rating, Add	*26.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	74.25	40.94
		For 300 Lb. Rating, Add	*34.64*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	97.04	52.04
		For 300 Lb. Rating, Add	*50.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.31*	
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	168.08	76.99
		For 300 Lb. Rating, Add	*133.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	223.07	101.20
		For 300 Lb. Rating, Add	*180.27*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	306.07	108.32
		For 300 Lb. Rating, Add	*354.48*	
		For Standard Weight Cast Iron Fittings, Add	*2.30*	
		For Work In Restricted Working Space, Add	*48.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	573.95	113.05
		For 300 Lb. Rating, Add	*980.87*	
		For Standard Weight Cast Iron Fittings, Add	*6.47*	
		For Work In Restricted Working Space, Add	*50.85*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	637.97	118.20
		For 300 Lb. Rating, Add	*1,116.50*	
		For Standard Weight Cast Iron Fittings, Add	*7.37*	
		For Work In Restricted Working Space, Add	*53.16*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	43.66	25.66
		For 300 Lb. Rating, Add	*14.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	48.56	28.69
		For 300 Lb. Rating, Add	*15.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*12.91*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	56.65	32.00
		For 300 Lb. Rating, Add	*23.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	65.46	36.33
		For 300 Lb. Rating, Add	*29.81*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	75.33	40.94
		For 300 Lb. Rating, Add	*37.23*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	98.18	52.04
		For 300 Lb. Rating, Add	*53.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	175.20	76.99
		For 300 Lb. Rating, Add	*150.61*	
		For Standard Weight Cast Iron Fittings, Add	*0.96*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	224.53	101.20
		For 300 Lb. Rating, Add	*183.78*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	308.31	108.32
		For 300 Lb. Rating, Add	*359.86*	
		For Standard Weight Cast Iron Fittings, Add	*2.33*	
		For Work In Restricted Working Space, Add	*48.73*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	497.39	113.05
		For 300 Lb. Rating, Add	*797.13*	
		For Standard Weight Cast Iron Fittings, Add	*5.25*	
		For Work In Restricted Working Space, Add	*50.85*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	598.34	118.20
		For 300 Lb. Rating, Add	*1,021.39*	
		For Standard Weight Cast Iron Fittings, Add	*6.74*	
		For Work In Restricted Working Space, Add	*53.16*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	20.38	11.39
		For 300 Lb. Rating, Add	*8.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*5.19*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	23.52	12.83
		For 300 Lb. Rating, Add	*11.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*5.81*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	26.67	14.28
		For 300 Lb. Rating, Add	*13.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*6.49*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	31.11	16.15
		For 300 Lb. Rating, Add	*17.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.34*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	36.71	18.17
		For 300 Lb. Rating, Add	*23.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*8.28*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	48.37	23.21
		For 300 Lb. Rating, Add	*34.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*10.52*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	82.43	34.31
		For 300 Lb. Rating, Add	*76.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
		For Work In Restricted Working Space, Add	*15.57*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	113.32	45.13
		For 300 Lb. Rating, Add	*112.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.72*	
		For Work In Restricted Working Space, Add	*20.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	150.30	48.31
		For 300 Lb. Rating, Add	*189.69*	
		For Standard Weight Cast Iron Fittings, Add	*1.24*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	260.30	50.40
		For 300 Lb. Rating, Add	*446.25*	
		For Standard Weight Cast Iron Fittings, Add	*2.94*	
		For Work In Restricted Working Space, Add	*22.88*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	417.07	52.63
		For 300 Lb. Rating, Add	*814.40*	
		For Standard Weight Cast Iron Fittings, Add	*5.40*	
		For Work In Restricted Working Space, Add	*23.92*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	46.78	21.33
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	61.39	32.00
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	70.79	37.05
		For Work In Restricted Working Space, Add	*16.64*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	85.53	43.68
		For Work In Restricted Working Space, Add	*19.66*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	106.60	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	128.76	61.99
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	156.91	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	294.11	113.45
		For Work In Restricted Working Space, Add	*51.08*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	373.13	149.21
		For Work In Restricted Working Space, Add	*67.21*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	51.51	21.33
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	70.40	32.00
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	77.43	37.05
		For Work In Restricted Working Space, Add	*16.63*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	92.50	43.68
		For Work In Restricted Working Space, Add	*19.66*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	123.19	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	145.13	61.99
		For Work In Restricted Working Space, Add	*27.91*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	182.19	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	379.81	113.45
		For Work In Restricted Working Space, Add	*51.08*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	469.28	149.21
		For Work In Restricted Working Space, Add	*67.21*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	674.50	159.84
		For Work In Restricted Working Space, Add	*71.93*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	63.65	21.33
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	73.63	32.00
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	83.76	37.05
		For Work In Restricted Working Space, Add	*16.63*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	102.50	43.68
		For Work In Restricted Working Space, Add	*19.66*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	138.24	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	156.19	61.99
		For Work In Restricted Working Space, Add	*27.91*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	193.57	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	422.50	113.45
		For Work In Restricted Working Space, Add	*51.08*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	550.35	149.21
		For Work In Restricted Working Space, Add	*67.21*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,275.53	159.84
		For Work In Restricted Working Space, Add	*71.93*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	23.63	13.69
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	23.16	13.69
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	23.54	13.69
		For Schedule 80 Nipples, Add	*1.47*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	26.44	14.85
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*6.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	29.43	16.00
		For Schedule 80 Nipples, Add	*2.70*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	30.76	16.00
		For Schedule 80 Nipples, Add	*3.37*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	40.16	20.62
		For Schedule 80 Nipples, Add	*4.58*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	67.12	25.66
		For Schedule 80 Nipples, Add	*14.34*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	80.59	30.99
		For Schedule 80 Nipples, Add	*17.04*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	107.01	37.18
		For Schedule 80 Nipples, Add	*25.66*	
		For Work In Restricted Working Space, Add	*16.71*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	24.04	13.69
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	23.16	13.69
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	23.76	13.69
		For Schedule 80 Nipples, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	24.04	13.69
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	23.16	13.69
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	23.76	13.69
		For Schedule 80 Nipples, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	26.85	14.85
		For Schedule 80 Nipples, Add	*2.34*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	30.16	16.00
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	31.29	16.00
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	25.02	13.69
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.63	13.69
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	24.17	13.69
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.14	14.85
		For Schedule 80 Nipples, Add	*2.48*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	30.54	16.00
		For Schedule 80 Nipples, Add	*3.26*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	32.15	16.00
		For Schedule 80 Nipples, Add	*4.06*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	41.52	20.62
		For Schedule 80 Nipples, Add	*5.26*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	25.02	13.69
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	23.63	13.69
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	24.17	13.69
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	27.14	14.85
		For Schedule 80 Nipples, Add	*2.48*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	30.54	16.00
		For Schedule 80 Nipples, Add	*3.26*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	32.15	16.00
		For Schedule 80 Nipples, Add	*4.06*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	41.52	20.62
		For Schedule 80 Nipples, Add	*5.26*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	67.87	25.66
		For Schedule 80 Nipples, Add	*14.72*	
		For Work In Restricted Working Space, Add	*11.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	83.56	30.99
		For Schedule 80 Nipples, Add	*18.53*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	25.81	13.69
		For Schedule 80 Nipples, Add	*2.61*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.23	13.69
		For Schedule 80 Nipples, Add	*1.82*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	25.02	13.69
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.31	14.85
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	31.74	16.00
		For Schedule 80 Nipples, Add	*3.86*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	33.13	16.00
		For Schedule 80 Nipples, Add	*4.55*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	43.73	20.62
		For Schedule 80 Nipples, Add	*6.37*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	73.05	25.66
		For Schedule 80 Nipples, Add	*17.31*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	90.38	30.99
		For Schedule 80 Nipples, Add	*21.94*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	25.81	13.69
		For Schedule 80 Nipples, Add	*2.61*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	24.23	13.69
		For Schedule 80 Nipples, Add	*1.82*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	25.02	13.69
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	28.31	14.85
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	31.74	16.00
		For Schedule 80 Nipples, Add	*3.86*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	33.13	16.00
		For Schedule 80 Nipples, Add	*4.55*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	43.73	20.62
		For Schedule 80 Nipples, Add	*6.37*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	73.05	25.66
		For Schedule 80 Nipples, Add	*17.31*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	90.38	30.99
		For Schedule 80 Nipples, Add	*21.94*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	115.06	37.18
		For Schedule 80 Nipples, Add	*29.69*	
		For Work In Restricted Working Space, Add	*16.71*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	28.12	13.69
		For Schedule 80 Nipples, Add	*3.76*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.86	13.69
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	26.16	13.69
		For Schedule 80 Nipples, Add	*2.78*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.44	14.85
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	33.25	16.00
		For Schedule 80 Nipples, Add	*4.61*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	35.15	16.00
		For Schedule 80 Nipples, Add	*5.56*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	45.65	20.62
		For Schedule 80 Nipples, Add	*7.33*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	76.46	25.66
		For Schedule 80 Nipples, Add	*19.01*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	94.89	30.99
		For Schedule 80 Nipples, Add	*24.19*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	123.53	37.18
		For Schedule 80 Nipples, Add	*33.92*	
		For Work In Restricted Working Space, Add	*16.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	28.12	13.69
		For Schedule 80 Nipples, Add	*3.76*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	24.86	13.69
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	26.16	13.69
		For Schedule 80 Nipples, Add	*2.78*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	29.44	14.85
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	33.25	16.00
		For Schedule 80 Nipples, Add	*4.61*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	35.15	16.00
		For Schedule 80 Nipples, Add	*5.56*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	45.65	20.62
		For Schedule 80 Nipples, Add	*7.33*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	76.46	25.66
		For Schedule 80 Nipples, Add	*19.01*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	94.89	30.99
		For Schedule 80 Nipples, Add	*24.19*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	123.53	37.18
		For Schedule 80 Nipples, Add	*33.92*	
		For Work In Restricted Working Space, Add	*16.71*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	28.97	13.69
		For Schedule 80 Nipples, Add	*4.19*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	25.37	13.69
		For Schedule 80 Nipples, Add	*2.39*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	26.92	13.69
		For Schedule 80 Nipples, Add	*3.16*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	30.77	14.85
		For Schedule 80 Nipples, Add	*4.30*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	34.96	16.00
		For Schedule 80 Nipples, Add	*5.47*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	36.79	16.00
		For Schedule 80 Nipples, Add	*6.38*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	48.18	20.62
		For Schedule 80 Nipples, Add	*8.59*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	78.08	25.66
		For Schedule 80 Nipples, Add	*19.82*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	99.09	30.99
		For Schedule 80 Nipples, Add	*26.29*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	128.20	37.18
		For Schedule 80 Nipples, Add	*36.26*	
		For Work In Restricted Working Space, Add	*16.71*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	35.29	13.69
		For Schedule 80 Nipples, Add	*7.35*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	29.19	13.69
		For Schedule 80 Nipples, Add	*4.30*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	31.12	13.69
		For Schedule 80 Nipples, Add	*5.26*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	36.23	14.85
		For Schedule 80 Nipples, Add	*7.03*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	41.68	16.00
		For Schedule 80 Nipples, Add	*8.83*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	44.27	16.00
		For Schedule 80 Nipples, Add	*10.12*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	59.80	20.62
		For Schedule 80 Nipples, Add	*14.40*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	88.88	25.66
		For Schedule 80 Nipples, Add	*25.22*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	117.44	30.99
		For Schedule 80 Nipples, Add	*35.47*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	139.38	37.18
		For Schedule 80 Nipples, Add	*41.85*	
		For Work In Restricted Working Space, Add	*16.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	37.09	13.69
		For Schedule 80 Nipples, Add	*8.25*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	30.93	13.69
		For Schedule 80 Nipples, Add	*5.17*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	32.82	13.69
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	38.60	14.85
		For Schedule 80 Nipples, Add	*8.21*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	45.19	16.00
		For Schedule 80 Nipples, Add	*10.58*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	47.72	16.00
		For Schedule 80 Nipples, Add	*11.85*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	64.86	20.62
		For Schedule 80 Nipples, Add	*16.93*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	95.10	25.66
		For Schedule 80 Nipples, Add	*28.33*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	126.19	30.99
		For Schedule 80 Nipples, Add	*39.84*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	151.01	37.18
		For Schedule 80 Nipples, Add	*47.66*	
		For Work In Restricted Working Space, Add	*16.71*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	39.36	13.69
		For Schedule 80 Nipples, Add	*9.38*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	32.85	13.69
		For Schedule 80 Nipples, Add	*6.13*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	34.18	13.69
		For Schedule 80 Nipples, Add	*6.79*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	41.03	14.85
		For Schedule 80 Nipples, Add	*9.43*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	48.03	16.00
		For Schedule 80 Nipples, Add	*12.00*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	51.32	16.00
		For Schedule 80 Nipples, Add	*13.65*	
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	69.97	20.62
		For Schedule 80 Nipples, Add	*19.49*	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	101.48	25.66
		For Schedule 80 Nipples, Add	*31.52*	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	134.94	30.99
		For Schedule 80 Nipples, Add	*44.22*	
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	167.43	37.18
		For Schedule 80 Nipples, Add	*55.87*	
		For Work In Restricted Working Space, Add	*16.71*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	39.91	23.50
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	44.59	25.22
		For Work In Restricted Working Space, Add	*11.36*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	47.47	27.10
		For Work In Restricted Working Space, Add	*12.22*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	49.66	26.96
		For Work In Restricted Working Space, Add	*12.11*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	50.19	28.83
		For Work In Restricted Working Space, Add	*12.98*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	52.48	30.42
		For Work In Restricted Working Space, Add	*13.66*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	53.94	28.98
		For Work In Restricted Working Space, Add	*13.06*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	56.37	30.99
		For Work In Restricted Working Space, Add	*13.93*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	57.68	32.43
		For Work In Restricted Working Space, Add	*14.62*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	60.19	34.17
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	60.75	31.43
		For Work In Restricted Working Space, Add	*14.10*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	61.23	33.30
		For Work In Restricted Working Space, Add	*14.97*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	63.51	34.74
		For Work In Restricted Working Space, Add	*15.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	64.64	36.48
		For Work In Restricted Working Space, Add	*16.41*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	69.23	38.63
		For Work In Restricted Working Space, Add	*17.36*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	74.70	36.91
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	75.28	38.77
		For Work In Restricted Working Space, Add	*17.45*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	74.95	40.37
		For Work In Restricted Working Space, Add	*18.14*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	76.54	41.95
		For Work In Restricted Working Space, Add	*18.89*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	79.72	44.12
		For Work In Restricted Working Space, Add	*19.85*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	84.73	46.42
		For Work In Restricted Working Space, Add	*20.89*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	103.82	52.77
		For Work In Restricted Working Space, Add	*23.76*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	106.32	54.49
		For Work In Restricted Working Space, Add	*24.51*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	109.50	56.51
		For Work In Restricted Working Space, Add	*25.46*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	111.30	58.96
		For Work In Restricted Working Space, Add	*26.51*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	119.39	64.44
		For Work In Restricted Working Space, Add	*28.99*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	131.47	64.88
		For Work In Restricted Working Space, Add	*29.22*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	133.97	66.60
		For Work In Restricted Working Space, Add	*29.97*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	137.15	68.77
		For Work In Restricted Working Space, Add	*30.92*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	139.97	71.08
		For Work In Restricted Working Space, Add	*31.97*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	146.06	76.55
		For Work In Restricted Working Space, Add	*34.45*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	165.22	89.09
		For Work In Restricted Working Space, Add	*40.06*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	167.33	67.95
		For Work In Restricted Working Space, Add	*30.60*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	169.76	69.61
		For Work In Restricted Working Space, Add	*31.33*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	172.82	71.70
		For Work In Restricted Working Space, Add	*32.24*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	176.18	73.93
		For Work In Restricted Working Space, Add	*33.25*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	180.68	79.22
		For Work In Restricted Working Space, Add	*35.66*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	198.73	91.34
		For Work In Restricted Working Space, Add	*41.07*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	216.33	103.03
		For Work In Restricted Working Space, Add	*46.35*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	16.38	8.51
		For Work In Restricted Working Space, Add	*3.84*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	19.19	10.23
		For Work In Restricted Working Space, Add	*4.61*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	21.02	11.53
		For Work In Restricted Working Space, Add	*5.16*	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	24.01	12.83
		For Work In Restricted Working Space, Add	*5.77*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	27.79	14.56
		For Work In Restricted Working Space, Add	*6.53*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	32.95	16.29
		For Work In Restricted Working Space, Add	*7.36*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	43.11	20.76
		For Work In Restricted Working Space, Add	*9.35*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	67.88	30.71
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	90.56	40.51
		For Work In Restricted Working Space, Add	*18.21*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	127.62	43.30
		For Work In Restricted Working Space, Add	*19.49*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	202.35	45.25
		For Work In Restricted Working Space, Add	*20.34*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	237.53	47.20
		For Work In Restricted Working Space, Add	*21.26*	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	154.70	57.67
		For Work In Restricted Working Space, Add	*25.95*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	141.11	65.16
		For Work In Restricted Working Space, Add	*29.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	153.05	67.47
		For Work In Restricted Working Space, Add	*30.35*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	158.00	73.38
		For Work In Restricted Working Space, Add	*33.01*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	162.72	76.55
		For Work In Restricted Working Space, Add	*34.46*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	188.84	88.66
		For Work In Restricted Working Space, Add	*39.86*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	240.73	112.44
		For Work In Restricted Working Space, Add	*50.58*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	319.97	148.56
		For Work In Restricted Working Space, Add	*66.83*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	402.49	176.96
		For Work In Restricted Working Space, Add	*79.56*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	459.91	203.13
		For Work In Restricted Working Space, Add	*91.37*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	94.08	52.62
		For Work In Restricted Working Space, Add	*23.70*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	102.75	57.67
		For Work In Restricted Working Space, Add	*25.95*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	118.84	65.16
		For Work In Restricted Working Space, Add	*29.32*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	123.73	67.47
		For Work In Restricted Working Space, Add	*30.35*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	134.67	73.38
		For Work In Restricted Working Space, Add	*33.01*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	146.98	76.55
		For Work In Restricted Working Space, Add	*34.46*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	183.23	88.66
		For Work In Restricted Working Space, Add	*39.86*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	232.25	112.44
		For Work In Restricted Working Space, Add	*50.57*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	330.88	148.56
		For Work In Restricted Working Space, Add	*66.82*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	46.97	
		For Work In Restricted Working Space, Add	*14.09*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	51.66	
		For Work In Restricted Working Space, Add	*15.50*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	56.36	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	61.05	
		For Work In Restricted Working Space, Add	*18.32*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	64.19	
		For Work In Restricted Working Space, Add	*19.26*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	67.31	
		For Work In Restricted Working Space, Add	*20.19*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	70.44	
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	73.58	
		For Work In Restricted Working Space, Add	*22.07*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	76.70	
		For Work In Restricted Working Space, Add	*23.01*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	82.97	
		For Work In Restricted Working Space, Add	*24.89*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	89.23	
		For Work In Restricted Working Space, Add	*26.77*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	97.06	
		For Work In Restricted Working Space, Add	*29.12*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	103.31	
		For Work In Restricted Working Space, Add	*30.99*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.51	10.64
		For Work In Restricted Working Space, Add	*7.78*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	36.45	11.35
		For Work In Restricted Working Space, Add	*8.71*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	43.82	12.06
		For Work In Restricted Working Space, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.13	12.06
		For Work In Restricted Working Space, Add	*10.46*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	54.13	12.06
		For Work In Restricted Working Space, Add	*12.10*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	62.65	12.06
		For Work In Restricted Working Space, Add	*14.03*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	73.04	11.78
		For Work In Restricted Working Space, Add	*14.80*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	97.23	14.80
		For Work In Restricted Working Space, Add	*18.38*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	130.40	22.08
		For Work In Restricted Working Space, Add	*21.16*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	196.46	27.43
		For Work In Restricted Working Space, Add	*31.39*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	258.54	34.28
		For Work In Restricted Working Space, Add	*37.44*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	322.66	41.41
		For Work In Restricted Working Space, Add	*43.26*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	347.09	54.02
		For Work In Restricted Working Space, Add	*48.26*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	398.88	68.55
		For Work In Restricted Working Space, Add	*53.93*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	499.71	84.87
		For Work In Restricted Working Space, Add	*59.18*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	619.44	104.89
		For Work In Restricted Working Space, Add	*67.73*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	757.17	118.87
		For Work In Restricted Working Space, Add	*74.47*	

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	14.54	5.67
		For Schedule 80 Pipe, Add	*2.34*	
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	18.43	7.09
		For Schedule 80 Pipe, Add	*2.98*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	23.25	8.52
		For Schedule 80 Pipe, Add	*3.80*	
		For Work In Restricted Working Space, Add	*5.11*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	28.14	9.93
		For Schedule 80 Pipe, Add	*4.63*	
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	33.45	11.78
		For Schedule 80 Pipe, Add	*5.51*	
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	38.21	13.34
		For Schedule 80 Pipe, Add	*8.71*	
		For Work In Restricted Working Space, Add	*8.00*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	46.98	14.33
		For Schedule 80 Pipe, Add	*11.43*	
		For Work In Restricted Working Space, Add	*8.60*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	64.85	17.74
		For Schedule 80 Pipe, Add	*16.49*	
		For Work In Restricted Working Space, Add	*10.64*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	93.20	28.73
		For Schedule 80 Pipe, Add	*24.92*	
		For Work In Restricted Working Space, Add	*13.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	133.17	29.48
		For Schedule 80 Pipe, Add	*36.29*	
		For Schedule 30 Pipe, Deduct	*-20.74*	
		For Work In Restricted Working Space, Add	*17.69*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	176.06	35.51
		For Schedule 80 Pipe, Add	*49.19*	
		For Schedule 30 Pipe, Deduct	*-28.11*	
		For Work In Restricted Working Space, Add	*21.31*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	224.74	42.92
		For Schedule 80 Pipe, Add	*63.64*	
		For Schedule 30 Pipe, Deduct	*-36.37*	
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	217.16	45.24
		For Schedule 80 Pipe, Add	*60.17*	
		For Schedule 30 Pipe, Deduct	*-34.38*	
		For Schedule 20 Pipe, Deduct	*-62.43*	
		For Work In Restricted Working Space, Add	*27.15*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	238.93	48.67
		For Schedule 80 Pipe, Add	*66.59*	
		For Schedule 30 Pipe, Deduct	*-38.05*	
		For Schedule 20 Pipe, Deduct	*-69.02*	
		For Work In Restricted Working Space, Add	*29.21*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	301.52	52.65
		For Schedule 80 Pipe, Add	*87.10*	
		For Schedule 30 Pipe, Deduct	*-49.77*	
		For Schedule 20 Pipe, Deduct	*-89.74*	
		For Work In Restricted Working Space, Add	*31.59*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	356.53	63.07
		For Schedule 80 Pipe, Add	*102.71*	
		For Work In Restricted Working Space, Add	*37.84*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	442.69	72.53
		For Schedule 80 Pipe, Add	*129.56*	
		For Work In Restricted Working Space, Add	*43.52*	

23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	13.13	3.97
		For Work In Restricted Working Space, Add	*2.39*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.11*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	13.41	4.40
		For Work In Restricted Working Space, Add	*2.60*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.06*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	17.02	5.67
		For Work In Restricted Working Space, Add	*3.41*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.80*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	20.92	7.09
		For Work In Restricted Working Space, Add	*4.26*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.62*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	26.25	8.52
		For Work In Restricted Working Space, Add	*5.11*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.97*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	30.66	9.93
		For Work In Restricted Working Space, Add	*5.96*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.97*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	36.42	11.78
		For Work In Restricted Working Space, Add	*7.07*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*8.29*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	47.25	13.34
		For Work In Restricted Working Space, Add	*8.00*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*15.53*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	53.85	14.33
		For Work In Restricted Working Space, Add	*8.60*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*18.41*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	66.90	17.74
		For Work In Restricted Working Space, Add	*10.64*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*22.92*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	102.52	28.80
		For Work In Restricted Working Space, Add	*13.19*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*39.38*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	147.06	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*58.18*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	196.67	35.51
		For Work In Restricted Working Space, Add	*21.31*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*81.02*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	239.67	42.92
		For Work In Restricted Working Space, Add	*25.75*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*99.02*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	279.70	45.24
		For Work In Restricted Working Space, Add	*27.15*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*119.53*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	321.89	48.67
		For Work In Restricted Working Space, Add	*29.21*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*140.34*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	388.57	52.65
		For Work In Restricted Working Space, Add	*31.59*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*174.43*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	468.15	63.07
		For Work In Restricted Working Space, Add	*37.84*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*210.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	588.14	72.53
		For Work In Restricted Working Space, Add	*43.52*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*269.88*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	148.41	86.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.85*	
		For Work In Restricted Working Space, Add	*39.08*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	155.24	91.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.18*	
		For Work In Restricted Working Space, Add	*41.13*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	174.43	104.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.92*	
		For Work In Restricted Working Space, Add	*46.88*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	186.76	112.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.32*	
		For Work In Restricted Working Space, Add	*50.58*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	237.49	146.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.22*	
		For Work In Restricted Working Space, Add	*65.80*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	298.36	182.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.72*	
		For Work In Restricted Working Space, Add	*82.25*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	316.43	191.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.74*	
		For Work In Restricted Working Space, Add	*86.25*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	544.77	331.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*111.25*	
		For Work In Restricted Working Space, Add	*149.09*	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	937.77	546.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*195.21*	
		For Work In Restricted Working Space, Add	*246.05*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,332.24	742.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*282.70*	
		For Work In Restricted Working Space, Add	*334.20*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,673.87	849.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*368.48*	
		For Work In Restricted Working Space, Add	*381.94*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,246.86	1,111.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*499.15*	
		For Work In Restricted Working Space, Add	*499.74*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,755.54	1,313.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*619.91*	
		For Work In Restricted Working Space, Add	*590.72*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,375.80	1,533.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*771.32*	
		For Work In Restricted Working Space, Add	*689.78*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,949.40	1,710.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*915.61*	
		For Work In Restricted Working Space, Add	*769.16*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,911.27	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,171.52*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,632.07	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,377.70*	
		For Work In Restricted Working Space, Add	*891.20*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	694.61	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*156.11*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,195.64	540.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*273.56*	
		For Work In Restricted Working Space, Add	*243.24*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,261.62	540.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*293.35*	
		For Work In Restricted Working Space, Add	*243.24*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,925.81	742.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*460.77*	
		For Work In Restricted Working Space, Add	*334.20*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,083.14	742.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*507.97*	
		For Work In Restricted Working Space, Add	*334.20*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,570.78	849.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*637.55*	
		For Work In Restricted Working Space, Add	*381.94*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,570.78	849.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*637.55*	
		For Work In Restricted Working Space, Add	*381.94*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,106.77	1,132.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,053.79*	
		For Work In Restricted Working Space, Add	*509.26*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,106.77	1,132.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,053.79*	
		For Work In Restricted Working Space, Add	*509.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,534.72	1,132.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,182.18*	
		For Work In Restricted Working Space, Add	*509.26*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	135.01	80.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.84*	
		For Work In Restricted Working Space, Add	*36.18*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	139.27	83.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.67*	
		For Work In Restricted Working Space, Add	*37.46*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	157.72	95.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.27*	
		For Work In Restricted Working Space, Add	*42.99*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	169.07	103.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.48*	
		For Work In Restricted Working Space, Add	*46.40*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	214.48	133.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.34*	
		For Work In Restricted Working Space, Add	*60.02*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	267.91	167.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.00*	
		For Work In Restricted Working Space, Add	*75.34*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	308.58	191.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.39*	
		For Work In Restricted Working Space, Add	*86.24*	
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	531.73	331.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*107.35*	
		For Work In Restricted Working Space, Add	*149.04*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	905.08	546.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*185.51*	
		For Work In Restricted Working Space, Add	*245.77*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,273.35	742.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*265.04*	
		For Work In Restricted Working Space, Add	*334.20*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,565.74	849.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*336.04*	
		For Work In Restricted Working Space, Add	*381.94*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,086.95	1,109.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*451.50*	
		For Work In Restricted Working Space, Add	*498.80*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,545.93	1,315.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*556.75*	
		For Work In Restricted Working Space, Add	*591.50*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,082.93	1,532.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*683.70*	
		For Work In Restricted Working Space, Add	*689.07*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,572.56	1,708.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*802.87*	
		For Work In Restricted Working Space, Add	*768.28*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,361.74	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,006.66*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,913.88	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,162.24*	
		For Work In Restricted Working Space, Add	*891.20*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	270.53	151.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.32*	
		For Work In Restricted Working Space, Add	*68.11*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	270.46	151.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.31*	
		For Work In Restricted Working Space, Add	*68.09*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	304.91	168.42
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.96*	
		For Work In Restricted Working Space, Add	*75.74*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	336.22	189.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*71.07*	
		For Work In Restricted Working Space, Add	*85.13*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	425.25	252.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*87.79*	
		For Work In Restricted Working Space, Add	*113.66*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	483.30	283.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*100.29*	
		For Work In Restricted Working Space, Add	*127.70*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	580.26	344.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*119.85*	
		For Work In Restricted Working Space, Add	*154.94*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	835.52	498.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*172.24*	
		For Work In Restricted Working Space, Add	*224.03*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,395.34	822.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*289.05*	
		For Work In Restricted Working Space, Add	*370.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,996.59	1,132.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*420.74*	
		For Work In Restricted Working Space, Add	*509.26*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,481.90	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*536.62*	
		For Work In Restricted Working Space, Add	*594.14*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	3,308.95	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*725.32*	
		For Work In Restricted Working Space, Add	*763.89*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	4,196.85	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*947.14*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	5,047.19	2,377.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,139.85*	
		For Work In Restricted Working Space, Add	*1,069.44*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	6,382.32	2,641.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,498.80*	
		For Work In Restricted Working Space, Add	*1,188.26*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	8,194.39	2,972.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,990.44*	
		For Work In Restricted Working Space, Add	*1,336.80*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	9,358.60	3,200.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,303.71*	
		For Work In Restricted Working Space, Add	*1,439.63*	

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	263.44	146.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.94*	
		For Work In Restricted Working Space, Add	*65.98*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	270.46	151.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.31*	
		For Work In Restricted Working Space, Add	*68.09*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	302.13	168.42
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.13*	
		For Work In Restricted Working Space, Add	*75.74*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	333.44	189.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*70.24*	
		For Work In Restricted Working Space, Add	*85.13*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	431.54	252.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*89.67*	
		For Work In Restricted Working Space, Add	*113.69*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	483.47	284.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*100.33*	
		For Work In Restricted Working Space, Add	*127.75*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	580.55	344.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*119.94*	
		For Work In Restricted Working Space, Add	*154.94*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	835.93	498.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*172.37*	
		For Work In Restricted Working Space, Add	*224.03*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,396.05	822.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*289.26*	
		For Work In Restricted Working Space, Add	*370.15*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,997.94	1,132.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*421.14*	
		For Work In Restricted Working Space, Add	*509.26*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,484.19	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*537.31*	
		For Work In Restricted Working Space, Add	*594.14*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,312.41	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*726.36*	
		For Work In Restricted Working Space, Add	*763.89*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,202.43	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*948.81*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,053.94	2,377.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,141.88*	
		For Work In Restricted Working Space, Add	*1,069.44*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	6,393.35	2,641.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,502.11*	
		For Work In Restricted Working Space, Add	*1,188.26*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,301.55	2,972.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,022.59*	
		For Work In Restricted Working Space, Add	*1,336.80*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,837.25	3,200.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,447.30*	
		For Work In Restricted Working Space, Add	*1,439.63*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	164.93	92.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.95*	
		For Work In Restricted Working Space, Add	*41.50*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	178.40	101.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.58*	
		For Work In Restricted Working Space, Add	*45.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	174.86	98.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.89*	
		For Work In Restricted Working Space, Add	*44.48*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	194.71	112.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.76*	
		For Work In Restricted Working Space, Add	*50.43*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	184.78	105.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.83*	
		For Work In Restricted Working Space, Add	*47.45*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	181.24	103.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.13*	
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	216.85	133.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.98*	
		For Work In Restricted Working Space, Add	*60.22*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	220.44	129.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.73*	
		For Work In Restricted Working Space, Add	*58.31*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	210.52	123.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.79*	
		For Work In Restricted Working Space, Add	*55.33*	
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	274.04	170.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.40*	
		For Work In Restricted Working Space, Add	*76.61*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	251.02	152.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.25*	
		For Work In Restricted Working Space, Add	*68.73*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	262.35	148.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.32*	
		For Work In Restricted Working Space, Add	*66.82*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	307.10	191.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.03*	
		For Work In Restricted Working Space, Add	*85.99*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	308.55	191.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.47*	
		For Work In Restricted Working Space, Add	*85.99*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	311.61	191.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*63.39*	
		For Work In Restricted Working Space, Add	*85.99*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	524.60	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*105.10*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	526.05	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*105.54*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	530.40	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*106.84*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	865.88	540.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*174.63*	
		For Work In Restricted Working Space, Add	*243.24*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	897.13	540.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*184.01*	
		For Work In Restricted Working Space, Add	*243.24*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,304.06	822.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*261.67*	
		For Work In Restricted Working Space, Add	*370.15*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,362.21	822.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*279.11*	
		For Work In Restricted Working Space, Add	*370.15*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,510.87	946.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*304.28*	
		For Work In Restricted Working Space, Add	*425.67*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,580.79	946.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*325.25*	
		For Work In Restricted Working Space, Add	*425.67*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,672.77	946.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*352.85*	
		For Concentric Reducers, Deduct	*-81.24*	
		For Work In Restricted Working Space, Add	*425.67*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,837.82	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*373.45*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,919.49	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*397.95*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,057.55	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*439.36*	
		For Concentric Reducers, Deduct	*-116.24*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,835.50	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*372.75*	
		For Concentric Reducers, Deduct	*-45.19*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,232.38	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*461.77*	
		For Work In Restricted Working Space, Add	*594.13*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,275.39	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*474.67*	
		For Work In Restricted Working Space, Add	*594.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,704.20	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*603.31*	
		For Work In Restricted Working Space, Add	*594.13*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,613.32	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*550.06*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,739.94	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*588.04*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,789.23	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*602.83*	
		For Concentric Reducers, Deduct	*-179.59*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,344.51	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*769.41*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,620.82	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*852.31*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,240.40	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*704.76*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,670.76	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*533.87*	
		For Concentric Reducers, Deduct	*-39.83*	
		For Work In Restricted Working Space, Add	*763.89*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,306.95	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.72*	
		For Concentric Reducers, Deduct	*-243.41*	
		For Work In Restricted Working Space, Add	*763.89*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,405.03	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*754.15*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,234.39	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,002.96*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,746.65	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*822.14*	
		For Concentric Reducers, Deduct	*-278.98*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,744.40	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*821.46*	
		For Concentric Reducers, Deduct	*-278.26*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,841.58	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,150.62*	
		For Concentric Reducers, Deduct	*-629.36*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,281.66	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,282.64*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,941.81	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,480.69*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,113.75	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*922.21*	
		For Concentric Reducers, Deduct	*-365.79*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,246.76	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*962.11*	
		For Concentric Reducers, Deduct	*-408.35*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,864.74	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,147.50*	
		For Concentric Reducers, Deduct	*-606.11*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,014.76	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,492.51*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,877.07	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,751.20*	
		For Work In Restricted Working Space, Add	*891.20*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	157.96	92.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.86*	
		For Work In Restricted Working Space, Add	*41.50*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	171.43	101.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.49*	
		For Work In Restricted Working Space, Add	*45.54*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	167.89	98.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.80*	
		For Work In Restricted Working Space, Add	*44.48*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	187.74	112.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.67*	
		For Work In Restricted Working Space, Add	*50.43*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	177.81	105.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.73*	
		For Work In Restricted Working Space, Add	*47.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	174.27	103.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.04*	
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	213.30	133.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.91*	
		For Work In Restricted Working Space, Add	*60.22*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	206.91	129.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.67*	
		For Work In Restricted Working Space, Add	*58.31*	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	201.83	123.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.18*	
		For Work In Restricted Working Space, Add	*55.33*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	271.46	170.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.63*	
		For Work In Restricted Working Space, Add	*76.61*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	249.57	152.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.81*	
		For Work In Restricted Working Space, Add	*68.73*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	250.10	148.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.64*	
		For Work In Restricted Working Space, Add	*66.82*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	299.69	191.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*59.81*	
		For Work In Restricted Working Space, Add	*85.99*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	300.66	191.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.10*	
		For Work In Restricted Working Space, Add	*85.99*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	302.75	191.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.73*	
		For Work In Restricted Working Space, Add	*85.99*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	514.61	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*102.11*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	518.32	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*103.22*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	518.32	332.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*103.22*	
		For Work In Restricted Working Space, Add	*149.36*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	845.91	540.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*168.64*	
		For Work In Restricted Working Space, Add	*243.24*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	853.32	540.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*170.86*	
		For Work In Restricted Working Space, Add	*243.24*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,279.89	822.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*254.42*	
		For Work In Restricted Working Space, Add	*370.15*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,293.10	822.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*258.38*	
		For Work In Restricted Working Space, Add	*370.15*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,508.30	946.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*303.51*	
		For Work In Restricted Working Space, Add	*425.67*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,502.82	946.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*301.86*	
		For Work In Restricted Working Space, Add	*425.67*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,571.77	946.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*322.55*	
		For Work In Restricted Working Space, Add	*425.67*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,804.80	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*363.54*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,821.35	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*368.50*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,827.35	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*370.30*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,003.10	1,130.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*423.03*	
		For Work In Restricted Working Space, Add	*508.29*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,146.68	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*436.06*	
		For Work In Restricted Working Space, Add	*594.13*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,208.06	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*454.47*	
		For Work In Restricted Working Space, Add	*594.13*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,261.38	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*470.47*	
		For Work In Restricted Working Space, Add	*594.13*	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,467.45	1,320.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*532.29*	
		For Work In Restricted Working Space, Add	*594.13*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,518.92	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*521.74*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,518.92	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*521.74*	
		For Work In Restricted Working Space, Add	*668.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,549.53	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*530.92*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,651.18	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*561.41*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,072.14	1,486.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*687.70*	
		For Work In Restricted Working Space, Add	*668.40*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,864.10	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*591.87*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,942.55	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*615.41*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,975.41	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*625.26*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,064.81	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*652.08*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,092.21	1,698.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*960.30*	
		For Work In Restricted Working Space, Add	*763.88*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,420.28	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.23*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,420.28	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.23*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,442.67	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*730.94*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,575.25	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*770.72*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,805.92	1,917.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*839.92*	
		For Work In Restricted Working Space, Add	*862.45*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,587.64	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*764.37*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,601.65	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*768.57*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,629.04	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*776.79*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,263.09	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*967.01*	
		For Work In Restricted Working Space, Add	*891.20*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,388.25	1,981.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,004.55*	
		For Work In Restricted Working Space, Add	*891.20*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	80.16	47.39
		For Schedule 80 Fittings, Add	*15.18*	
		For Work In Restricted Working Space, Add	*21.28*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	87.83	52.07
		For Schedule 80 Fittings, Add	*16.60*	
		For Work In Restricted Working Space, Add	*23.41*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	91.25	53.92
		For Schedule 80 Fittings, Add	*17.27*	
		For Work In Restricted Working Space, Add	*24.26*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	114.49	69.10
		For Schedule 80 Fittings, Add	*21.40*	
		For Work In Restricted Working Space, Add	*31.08*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	136.28	83.29
		For Schedule 80 Fittings, Add	*25.28*	
		For Work In Restricted Working Space, Add	*37.46*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	159.03	96.06
		For Schedule 80 Fittings, Add	*29.70*	
		For Work In Restricted Working Space, Add	*43.22*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	268.86	166.01
		For Schedule 80 Fittings, Add	*49.54*	
		For Work In Restricted Working Space, Add	*74.68*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	449.14	274.27
		For Schedule 80 Fittings, Add	*83.33*	
		For Work In Restricted Working Space, Add	*123.38*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	633.24	384.52
		For Schedule 80 Fittings, Add	*117.92*	
		For Work In Restricted Working Space, Add	*172.93*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	827.34	485.40
		For Schedule 80 Fittings, Add	*157.25*	
		For Work In Restricted Working Space, Add	*218.29*	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	953.68	552.95
		For Schedule 80 Fittings, Add	*182.48*	
		For Work In Restricted Working Space, Add	*248.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,224.54	660.44
		For Schedule 80 Fittings, Add	*243.58*	
		For Work In Restricted Working Space, Add	*297.07*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,422.11	766.98
		For Schedule 80 Fittings, Add	*282.89*	
		For Work In Restricted Working Space, Add	*344.98*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,586.18	849.24
		For Schedule 80 Fittings, Add	*316.71*	
		For Work In Restricted Working Space, Add	*381.94*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	199.21	106.99
		For 300 Lb. Rating, Add	*44.01*	
		For Work In Restricted Working Space, Add	*48.12*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	238.96	133.52
		For 300 Lb. Rating, Add	*48.18*	
		For Work In Restricted Working Space, Add	*60.05*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	267.70	152.67
		For 300 Lb. Rating, Add	*51.22*	
		For Work In Restricted Working Space, Add	*68.66*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	351.39	201.34
		For 300 Lb. Rating, Add	*66.35*	
		For Work In Restricted Working Space, Add	*90.57*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	533.86	305.35
		For 300 Lb. Rating, Add	*101.37*	
		For Work In Restricted Working Space, Add	*137.31*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	601.00	321.38
		For 300 Lb. Rating, Add	*134.07*	
		For Work In Restricted Working Space, Add	*144.52*	
23 21 13 23-0644	EA	10" , 150 Lb., Welded Plain End Black Steel Neck Flange	778.48	402.96
		For 300 Lb. Rating, Add	*185.43*	
		For Work In Restricted Working Space, Add	*181.26*	
23 21 13 23-0645	EA	12" , 150 Lb., Welded Plain End Black Steel Neck Flange	939.64	457.25
		For 300 Lb. Rating, Add	*249.86*	
		For Work In Restricted Working Space, Add	*205.66*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,214.78	552.95
		For 300 Lb. Rating, Add	*357.07*	
		For Work In Restricted Working Space, Add	*248.71*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,566.15	642.63
		For 300 Lb. Rating, Add	*523.05*	
		For Work In Restricted Working Space, Add	*289.04*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,916.94	720.50
		For 300 Lb. Rating, Add	*699.12*	
		For Work In Restricted Working Space, Add	*324.07*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,430.80	914.51
		For 300 Lb. Rating, Add	*885.77*	
		For Work In Restricted Working Space, Add	*411.32*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,743.72	990.74
		For 300 Lb. Rating, Add	*1,036.83*	
		For Work In Restricted Working Space, Add	*445.60*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	145.04	106.99
		For 300 Lb. Rating, Add	*29.01*	
		For Work In Restricted Working Space, Add	*38.31*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	178.34	133.52
		For 300 Lb. Rating, Add	*36.42*	
		For Work In Restricted Working Space, Add	*46.82*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	210.65	152.67
		For 300 Lb. Rating, Add	*42.95*	
		For Work In Restricted Working Space, Add	*55.34*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	276.96	201.34
		For 300 Lb. Rating, Add	*57.50*	
		For Work In Restricted Working Space, Add	*72.36*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	409.74	305.35
		For 300 Lb. Rating, Add	*86.76*	
		For Work In Restricted Working Space, Add	*106.42*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	522.45	321.38
		For 300 Lb. Rating, Add	*121.40*	
		For Work In Restricted Working Space, Add	*131.63*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	692.93	402.96
		For 300 Lb. Rating, Add	*187.64*	
		For Work In Restricted Working Space, Add	*164.53*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	886.10	457.25
		For 300 Lb. Rating, Add	*274.28*	
		For Work In Restricted Working Space, Add	*197.44*	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	1,100.89	552.95
		For 300 Lb. Rating, Add	*380.40*	
		For Work In Restricted Working Space, Add	*230.34*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,298.55	642.63
		For 300 Lb. Rating, Add	*492.89*	
		For Work In Restricted Working Space, Add	*255.02*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,435.18	720.50
		For 300 Lb. Rating, Add	*550.46*	
		For Work In Restricted Working Space, Add	*279.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,586.17	914.51
		For 300 Lb. Rating, Add	*620.95*	
		For Work In Restricted Working Space, Add	*304.38*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,821.33	990.74
		For 300 Lb. Rating, Add	*701.80*	
		For Work In Restricted Working Space, Add	*353.74*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	98.18	38.14
		For 300 Lb. Rating, Add	*25.53*	
		For 600 Lb. Rating, Add	*64.00*	
		For Work In Restricted Working Space, Add	*22.88*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	127.04	45.77
		For 300 Lb. Rating, Add	*38.02*	
		For 600 Lb. Rating, Add	*98.95*	
		For Work In Restricted Working Space, Add	*27.46*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	158.79	61.02
		For 300 Lb. Rating, Add	*42.21*	
		For 600 Lb. Rating, Add	*106.48*	
		For Work In Restricted Working Space, Add	*36.62*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	203.19	76.28
		For 300 Lb. Rating, Add	*56.52*	
		For 600 Lb. Rating, Add	*144.40*	
		For Work In Restricted Working Space, Add	*45.77*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	275.07	99.17
		For 300 Lb. Rating, Add	*82.21*	
		For 600 Lb. Rating, Add	*213.90*	
		For Work In Restricted Working Space, Add	*59.50*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	350.56	114.42
		For 300 Lb. Rating, Add	*121.40*	
		For 600 Lb. Rating, Add	*326.43*	
		For Work In Restricted Working Space, Add	*68.66*	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	512.28	137.30
		For 300 Lb. Rating, Add	*218.97*	
		For 600 Lb. Rating, Add	*611.60*	
		For Work In Restricted Working Space, Add	*82.38*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	656.77	160.19
		For 300 Lb. Rating, Add	*302.75*	
		For 600 Lb. Rating, Add	*855.39*	
		For Work In Restricted Working Space, Add	*96.11*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	1,058.76	183.08
		For 300 Lb. Rating, Add	*592.53*	
		For Work In Restricted Working Space, Add	*109.85*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,141.97	205.96
		For 300 Lb. Rating, Add	*627.29*	
		For Work In Restricted Working Space, Add	*123.58*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,296.39	251.73
		For 300 Lb. Rating, Add	*687.21*	
		For Work In Restricted Working Space, Add	*151.04*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,634.89	274.61
		For 300 Lb. Rating, Add	*926.20*	
		For Work In Restricted Working Space, Add	*164.77*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,195.06	320.38
		For 300 Lb. Rating, Add	*1,310.72*	
		For Work In Restricted Working Space, Add	*192.23*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	96.30	
		For Work In Restricted Working Space, Add	*26.82*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	101.75	
		For Work In Restricted Working Space, Add	*28.09*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	108.43	
		For Work In Restricted Working Space, Add	*29.80*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	119.32	
		For Work In Restricted Working Space, Add	*31.93*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	134.15	
		For Work In Restricted Working Space, Add	*36.18*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	173.79	
		For Work In Restricted Working Space, Add	*47.30*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	261.25	
		For Work In Restricted Working Space, Add	*60.81*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	361.23	
		For Work In Restricted Working Space, Add	*85.13*	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	475.76	
		For Work In Restricted Working Space, Add	*106.42*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	110.86	
		For Work In Restricted Working Space, Add	*30.95*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	117.16	
		For Work In Restricted Working Space, Add	*32.44*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	123.65	
		For Work In Restricted Working Space, Add	*34.05*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	140.52	
		For Work In Restricted Working Space, Add	*37.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	156.98	
		For Work In Restricted Working Space, Add	*42.56*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	209.51	
		For Work In Restricted Working Space, Add	*56.74*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	292.26	
		For Work In Restricted Working Space, Add	*68.11*	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	384.28	
		For Work In Restricted Working Space, Add	*89.39*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	513.31	
		For Work In Restricted Working Space, Add	*113.53*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	746.48	
		For Work In Restricted Working Space, Add	*170.27*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	1,095.24	
		For Work In Restricted Working Space, Add	*227.01*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,354.52	
		For Work In Restricted Working Space, Add	*261.95*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,946.22	
		For Work In Restricted Working Space, Add	*309.59*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	130.63	
		For Work In Restricted Working Space, Add	*36.99*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	137.87	
		For Work In Restricted Working Space, Add	*38.78*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	146.71	
		For Work In Restricted Working Space, Add	*41.12*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	160.54	
		For Work In Restricted Working Space, Add	*44.06*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	180.81	
		For Work In Restricted Working Space, Add	*49.93*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	235.45	
		For Work In Restricted Working Space, Add	*65.25*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	341.75	
		For Work In Restricted Working Space, Add	*83.90*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	473.76	
		For Work In Restricted Working Space, Add	*117.48*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	617.89	
		For Work In Restricted Working Space, Add	*146.85*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	13.83	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*3.87*	
		For Hot Dip Galvanized, Add	*5.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.68*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.51	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.90*	
		For Hot Dip Galvanized, Add	*7.00*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.26*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.72	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.96*	
		For Hot Dip Galvanized, Add	*7.09*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.40*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.82	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.99*	
		For Hot Dip Galvanized, Add	*7.13*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.47*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	41.23	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*11.54*	
		For Hot Dip Galvanized, Add	*16.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.86*	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	56.32	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*15.77*	
		For Hot Dip Galvanized, Add	*22.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*39.42*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	63.71	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*17.84*	
		For Hot Dip Galvanized, Add	*25.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.60*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	70.64	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.78*	
		For Hot Dip Galvanized, Add	*28.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.45*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	153.19	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*42.89*	
		For Hot Dip Galvanized, Add	*61.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*107.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	158.11	
		For Zinc Plated, Add	*44.27*	
		For Hot Dip Galvanized, Add	*63.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*110.68*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	177.56	
		For Zinc Plated, Add	*49.72*	
		For Hot Dip Galvanized, Add	*71.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*124.29*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	290.66	
		For Zinc Plated, Add	*81.38*	
		For Hot Dip Galvanized, Add	*116.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*203.46*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	415.15	
		For Zinc Plated, Add	*116.24*	
		For Hot Dip Galvanized, Add	*166.06*	
		For Advanced Fluoropolymer (Blue Coating), Add	*290.61*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	524.93	
		For Zinc Plated, Add	*146.98*	
		For Hot Dip Galvanized, Add	*209.97*	
		For Advanced Fluoropolymer (Blue Coating), Add	*367.45*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	744.41	
		For Zinc Plated, Add	*208.43*	
		For Hot Dip Galvanized, Add	*297.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*521.09*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.	1,173.76	
		For Zinc Plated, Add	*328.65*	
		For Hot Dip Galvanized, Add	*469.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*821.63*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	1,628.17	
		For Zinc Plated, Add	*455.89*	
		For Hot Dip Galvanized, Add	*651.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,139.72*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	22.63	
		For Zinc Plated, Add	*6.34*	
		For Hot Dip Galvanized, Add	*9.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*15.84*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	40.82	
		For Zinc Plated, Add	*11.43*	
		For Hot Dip Galvanized, Add	*16.33*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.57*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	63.07	
		For Zinc Plated, Add	*17.66*	
		For Hot Dip Galvanized, Add	*25.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.15*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	68.53	
		For Zinc Plated, Add	*19.19*	
		For Hot Dip Galvanized, Add	*27.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.97*	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	75.38	
		For Zinc Plated, Add	*21.11*	
		For Hot Dip Galvanized, Add	*30.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.77*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	86.32	
		For Zinc Plated, Add	*24.17*	
		For Hot Dip Galvanized, Add	*34.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.42*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	118.83	
		For Zinc Plated, Add	*33.27*	
		For Hot Dip Galvanized, Add	*47.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*83.18*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	182.69	
		For Zinc Plated, Add	*51.15*	
		For Hot Dip Galvanized, Add	*73.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*127.88*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	324.44	
		For Zinc Plated, Add	*90.84*	
		For Hot Dip Galvanized, Add	*129.78*	
		For Advanced Fluoropolymer (Blue Coating), Add	*227.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	462.85	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*129.60*	
		For Hot Dip Galvanized, Add	*185.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*324.00*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	629.98	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*176.39*	
		For Hot Dip Galvanized, Add	*251.99*	
		For Advanced Fluoropolymer (Blue Coating), Add	*440.99*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	863.14	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*241.68*	
		For Hot Dip Galvanized, Add	*345.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*604.20*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,112.34	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*311.46*	
		For Hot Dip Galvanized, Add	*444.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*778.64*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,184.06	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*331.54*	
		For Hot Dip Galvanized, Add	*473.62*	
		For Advanced Fluoropolymer (Blue Coating), Add	*828.84*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,508.77	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*422.46*	
		For Hot Dip Galvanized, Add	*603.51*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,056.14*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	2,386.48	
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*668.21*	
		For Hot Dip Galvanized, Add	*954.59*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,670.54*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	3,420.62	
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*957.77*	
		For Hot Dip Galvanized, Add	*1,368.25*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,394.43*	

23 21 13 23-0749 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

23 21 13 23-0750	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	42.86	
		For 300 Lb. Rating Gasket Set, Add	*0.25*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*5.41*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.65*	
23 21 13 23-0751	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	45.90	
		For 300 Lb. Rating Gasket Set, Add	*0.33*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*7.27*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*8.37*	
		For Work In Restricted Working Space, Add	*13.49*	
23 21 13 23-0752	EA	1", 150 Lb., Rubber Flange Gasket Replacement	50.82	
		For 300 Lb. Rating Gasket Set, Add	*0.57*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*12.68*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*14.60*	
		For Work In Restricted Working Space, Add	*14.75*	
23 21 13 23-0753	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	55.27	
		For 300 Lb. Rating Gasket Set, Add	*0.65*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*14.46*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*16.64*	
		For Work In Restricted Working Space, Add	*16.02*	
23 21 13 23-0754	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	61.36	
		For 300 Lb. Rating Gasket Set, Add	*0.82*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*18.09*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*20.83*	
		For Work In Restricted Working Space, Add	*17.71*	
23 21 13 23-0755	EA	2", 150 Lb., Rubber Flange Gasket Replacement	67.91	
		For 300 Lb. Rating Gasket Set, Add	*1.14*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*25.28*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*29.10*	
		For Work In Restricted Working Space, Add	*19.39*	
23 21 13 23-0756	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	80.32	
		For 300 Lb. Rating Gasket Set, Add	*1.55*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*34.32*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*39.52*	
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-0757	EA	3", 150 Lb., Rubber Flange Gasket Replacement	85.25	
		For 300 Lb. Rating Gasket Set, Add	*1.80*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*39.81*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*45.84*	
		For Work In Restricted Working Space, Add	*24.03*	
23 21 13 23-0758	EA	4", 150 Lb., Rubber Flange Gasket Replacement	113.81	
		For 300 Lb. Rating Gasket Set, Add	*2.95*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*65.09*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*74.94*	
		For Work In Restricted Working Space, Add	*31.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0759	EA	5", 150 Lb., Rubber Flange Gasket Replacement	131.61	
		For 300 Lb. Rating Gasket Set, Add	*3.28*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*72.35*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*83.30*	
		For Work In Restricted Working Space, Add	*36.68*	
23 21 13 23-0760	EA	6", 150 Lb., Rubber Flange Gasket Replacement	151.28	
		For 300 Lb. Rating Gasket Set, Add	*4.26*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*94.00*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*108.22*	
		For Work In Restricted Working Space, Add	*41.74*	
23 21 13 23-0761	EA	8", 150 Lb., Rubber Flange Gasket Replacement	186.41	
		For 300 Lb. Rating Gasket Set, Add	*6.22*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*137.44*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*158.24*	
		For Work In Restricted Working Space, Add	*50.59*	
23 21 13 23-0762	EA	10", 150 Lb., Rubber Flange Gasket Replacement	205.13	
		For 300 Lb. Rating Gasket Set, Add	*8.84*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*195.26*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*224.81*	
		For Work In Restricted Working Space, Add	*53.96*	
23 21 13 23-0763	EA	12", 150 Lb., Rubber Flange Gasket Replacement	236.04	
		For 300 Lb. Rating Gasket Set, Add	*11.30*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*249.52*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*287.29*	
		For Work In Restricted Working Space, Add	*61.13*	
23 21 13 23-0764	EA	14", 150 Lb., Rubber Flange Gasket Replacement	249.39	
		For 300 Lb. Rating Gasket Set, Add	*13.51*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*298.30*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*343.45*	
		For Work In Restricted Working Space, Add	*63.24*	
23 21 13 23-0765	EA	16", 150 Lb., Rubber Flange Gasket Replacement	324.09	
		For 300 Lb. Rating Gasket Set, Add	*15.06*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*332.70*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*383.06*	
		For Work In Restricted Working Space, Add	*84.32*	
23 21 13 23-0766	EA	18", 150 Lb., Rubber Flange Gasket Replacement	352.65	
		For 300 Lb. Rating Gasket Set, Add	*15.72*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*347.15*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*399.70*	
		For Work In Restricted Working Space, Add	*92.32*	
23 21 13 23-0767	EA	20", 150 Lb., Rubber Flange Gasket Replacement	423.35	
		For 300 Lb. Rating Gasket Set, Add	*16.86*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*372.43*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*428.80*	
		For Work In Restricted Working Space, Add	*112.55*	

23 21 13 23-0768 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0769	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.31	
		For Work In Restricted Working Space, Add	*9.39*	
23 21 13 23-0770	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.82	
		For Work In Restricted Working Space, Add	*10.15*	
23 21 13 23-0771	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.04	
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-0772	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	39.92	
		For Work In Restricted Working Space, Add	*11.98*	
23 21 13 23-0773	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	42.26	
		For Work In Restricted Working Space, Add	*12.68*	
23 21 13 23-0774	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.39	
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-0775	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	48.53	
		For Work In Restricted Working Space, Add	*14.56*	
23 21 13 23-0776	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	53.22	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 13 23-0777	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	57.92	
		For Work In Restricted Working Space, Add	*17.38*	
23 21 13 23-0778	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	62.62	
		For Work In Restricted Working Space, Add	*18.79*	
23 21 13 23-0779	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	67.31	
		For Work In Restricted Working Space, Add	*20.19*	
23 21 13 23-0780	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	73.58	
		For Work In Restricted Working Space, Add	*22.07*	
23 21 13 23-0781	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	79.84	
		For Work In Restricted Working Space, Add	*23.95*	
23 21 13 23-0782	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	86.09	
		For Work In Restricted Working Space, Add	*25.83*	
23 21 13 23-0783	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	92.36	
		For Work In Restricted Working Space, Add	*27.71*	
23 21 13 23-0784	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	97.06	
		For Work In Restricted Working Space, Add	*29.12*	
23 21 13 23-0785	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	101.75	
		For Work In Restricted Working Space, Add	*30.53*	
23 21 13 23-0786	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	108.02	
		For Work In Restricted Working Space, Add	*32.41*	

23 21 13 23-0787 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0788	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	32.26	15.61
		For Work In Restricted Working Space, Add	*7.66*	
23 21 13 23-0789	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	35.87	17.02
		For Work In Restricted Working Space, Add	*7.66*	
23 21 13 23-0790	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	37.77	16.74
		For Work In Restricted Working Space, Add	*7.51*	
23 21 13 23-0791	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	47.27	21.28
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0792	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	76.98	31.50
		For Work In Restricted Working Space, Add	*14.16*	
23 21 13 23-0793	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	98.24	37.43
		For Work In Restricted Working Space, Add	*16.86*	
23 21 13 23-0794	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	132.36	46.62
		For Work In Restricted Working Space, Add	*20.98*	
23 21 13 23-0795	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	160.64	56.21
		For Work In Restricted Working Space, Add	*25.28*	
23 21 13 23-0796	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	205.22	72.95
		For Work In Restricted Working Space, Add	*32.82*	

23 21 13 23-0797 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0798 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0797)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0799 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0798)*

23 21 13 23-0800	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	345.15	67.33
		For Galvanized Fittings, Add	*195.38*	
		For Extra Heavy Weight Fittings, Add	*293.08*	
23 21 13 23-0801	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	384.90	74.97
		For Galvanized Fittings, Add	*217.97*	
		For Extra Heavy Weight Fittings, Add	*326.95*	
23 21 13 23-0802	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	389.08	82.75
		For Galvanized Fittings, Add	*212.08*	
		For Extra Heavy Weight Fittings, Add	*318.12*	
23 21 13 23-0803	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	486.58	96.16
		For Galvanized Fittings, Add	*273.94*	
		For Extra Heavy Weight Fittings, Add	*410.90*	
23 21 13 23-0804	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	658.52	107.69
		For Galvanized Fittings, Add	*397.65*	
		For Extra Heavy Weight Fittings, Add	*596.47*	
23 21 13 23-0805	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	705.33	124.99
		For Galvanized Fittings, Add	*414.34*	
		For Extra Heavy Weight Fittings, Add	*621.50*	
23 21 13 23-0806	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	878.56	138.39
		For Galvanized Fittings, Add	*536.77*	
		For Extra Heavy Weight Fittings, Add	*805.15*	

23 21 13 23-0807 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0798)*

23 21 13 23-0808	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	600.06	71.22
		For Galvanized Fittings, Add	*394.70*	
		For Extra Heavy Weight Fittings, Add	*592.06*	
23 21 13 23-0809	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	628.77	78.86
		For Galvanized Fittings, Add	*408.45*	
		For Extra Heavy Weight Fittings, Add	*612.67*	
23 21 13 23-0810	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	775.95	89.39
		For Galvanized Fittings, Add	*513.50*	
		For Extra Heavy Weight Fittings, Add	*770.26*	
23 21 13 23-0811	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	947.83	95.14
		For Galvanized Fittings, Add	*644.09*	
		For Extra Heavy Weight Fittings, Add	*966.13*	
23 21 13 23-0812	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,081.36	110.57
		For Galvanized Fittings, Add	*732.46*	
		For Extra Heavy Weight Fittings, Add	*1,098.68*	
23 21 13 23-0813	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,489.85	131.76
		For Galvanized Fittings, Add	*1,033.88*	
		For Extra Heavy Weight Fittings, Add	*1,550.82*	

23 21 13 23-0814 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0798)*

23 21 13 23-0815	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	433.52	67.33
		For Galvanized Fittings, Add	*266.08*	
		For Extra Heavy Weight Fittings, Add	*399.12*	
23 21 13 23-0816	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	456.09	74.97
		For Galvanized Fittings, Add	*274.92*	
		For Extra Heavy Weight Fittings, Add	*412.38*	
23 21 13 23-0817	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	477.44	82.75
		For Galvanized Fittings, Add	*282.77*	
		For Extra Heavy Weight Fittings, Add	*424.15*	
23 21 13 23-0818	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	589.67	96.16
		For Galvanized Fittings, Add	*356.41*	
		For Extra Heavy Weight Fittings, Add	*534.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0819	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	825.43	107.69
		For Galvanized Fittings, Add	*531.18*	
		For Extra Heavy Weight Fittings, Add	*796.76*	
23 21 13 23-0820	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	820.70	124.99
		For Galvanized Fittings, Add	*506.63*	
		For Extra Heavy Weight Fittings, Add	*759.95*	
23 21 13 23-0821	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	960.72	138.39
		For Galvanized Fittings, Add	*602.50*	
		For Extra Heavy Weight Fittings, Add	*903.74*	

23 21 13 23-0822 Flanged Steel, Tees *(23 21 13 23-0798)*

23 21 13 23-0823	EA	2" Standard Weight, Flanged Steel, Tee	454.51	100.91
		For Galvanized Fittings, Add	*242.51*	
		For Extra Heavy Weight Fittings, Add	*363.77*	
23 21 13 23-0824	EA	2-1/2" Standard Weight, Flanged Steel, Tee	572.45	112.44
		For Galvanized Fittings, Add	*323.02*	
		For Extra Heavy Weight Fittings, Add	*484.54*	
23 21 13 23-0825	EA	3" Standard Weight, Flanged Steel, Tee	539.44	123.98
		For Galvanized Fittings, Add	*282.78*	
		For Extra Heavy Weight Fittings, Add	*424.16*	
23 21 13 23-0826	EA	4" Standard Weight, Flanged Steel, Tee	743.97	144.31
		For Galvanized Fittings, Add	*422.18*	
		For Extra Heavy Weight Fittings, Add	*633.28*	
23 21 13 23-0827	EA	5" Standard Weight, Flanged Steel, Tee	1,062.50	161.60
		For Galvanized Fittings, Add	*656.24*	
		For Extra Heavy Weight Fittings, Add	*984.36*	
23 21 13 23-0828	EA	6" Standard Weight, Flanged Steel, Tee	1,288.88	187.55
		For Galvanized Fittings, Add	*806.22*	
		For Extra Heavy Weight Fittings, Add	*1,209.34*	
23 21 13 23-0829	EA	8" Standard Weight, Flanged Steel, Tee	1,434.95	217.25
		For Galvanized Fittings, Add	*887.31*	
		For Extra Heavy Weight Fittings, Add	*1,330.97*	

23 21 13 23-0830 Flanged Steel, Reducing Tees *(23 21 13 23-0798)*

23 21 13 23-0831	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	677.14	108.70
		For Galvanized Fittings, Add	*411.39*	
		For Extra Heavy Weight Fittings, Add	*617.09*	
23 21 13 23-0832	EA	3" Standard Weight, Flanged Steel, Reducing Tee	777.90	120.24
		For Galvanized Fittings, Add	*478.16*	
		For Extra Heavy Weight Fittings, Add	*717.24*	
23 21 13 23-0833	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,282.41	137.53
		For Galvanized Fittings, Add	*861.02*	
		For Extra Heavy Weight Fittings, Add	*1,291.52*	
23 21 13 23-0834	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,391.98	155.84
		For Galvanized Fittings, Add	*926.74*	
		For Extra Heavy Weight Fittings, Add	*1,390.12*	
23 21 13 23-0835	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,736.03	178.90
		For Galvanized Fittings, Add	*1,174.31*	
		For Extra Heavy Weight Fittings, Add	*1,761.47*	
23 21 13 23-0836	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,149.62	200.96
		For Galvanized Fittings, Add	*1,478.66*	
		For Extra Heavy Weight Fittings, Add	*2,217.98*	

23 21 13 23-0837 Flanged Steel, Concentric Reducers *(23 21 13 23-0798)*

23 21 13 23-0838	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	621.41	78.86
		For Galvanized Fittings, Add	*402.56*	
		For Extra Heavy Weight Fittings, Add	*603.84*	
23 21 13 23-0839	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	705.99	89.39
		For Galvanized Fittings, Add	*457.54*	
		For Extra Heavy Weight Fittings, Add	*686.30*	
23 21 13 23-0840	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,022.97	101.93
		For Galvanized Fittings, Add	*696.13*	
		For Extra Heavy Weight Fittings, Add	*1,044.19*	
23 21 13 23-0841	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,126.77	110.57
		For Galvanized Fittings, Add	*768.78*	
		For Extra Heavy Weight Fittings, Add	*1,153.18*	
23 21 13 23-0842	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,321.71	131.76
		For Galvanized Fittings, Add	*899.37*	
		For Extra Heavy Weight Fittings, Add	*1,349.05*	

23 21 13 23-0843 Flanged Steel, Eccentric Reducers *(23 21 13 23-0798)*

23 21 13 23-0844	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	675.07	89.39
		For Galvanized Fittings, Add	*432.80*	
		For Extra Heavy Weight Fittings, Add	*649.20*	
23 21 13 23-0845	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	901.96	101.93
		For Galvanized Fittings, Add	*599.32*	
		For Extra Heavy Weight Fittings, Add	*898.98*	

23 21 13 23-0846 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0847 Plain End Piping System Couplings *(23 21 13 23-0846)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0848		**Plainlock Plain End Piping System Couplings** *(23 21 13 23-0847)* Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0849	EA	1" Plainlock Plain End Piping System Coupling	154.00	8.65
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0850	EA	1-1/2" Plainlock Plain End Piping System Coupling	159.03	11.97
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0851	EA	2" Plainlock Plain End Piping System Coupling	164.87	15.86
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0852	EA	2-1/2" Plainlock Plain End Piping System Coupling	169.85	19.18
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0853	EA	3" Plainlock Plain End Piping System Coupling	201.02	23.07
		For Galvanized Fittings, Add	*33.29*	
23 21 13 23-0854	EA	4" Plainlock Plain End Piping System Coupling	276.71	30.71
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-0855	EA	6" Plainlock Plain End Piping System Coupling	464.32	50.03
		For Galvanized Fittings, Add	*77.87*	
23 21 13 23-0856		**Roust-A-Bout Plain End Piping System Couplings** *(23 21 13 23-0847)* Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0857	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	186.42	11.97
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0858	EA	2" Roust-A-Bout Plain End Piping System Coupling	192.26	15.86
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0859	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	197.25	19.32
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0860	EA	3" Roust-A-Bout Plain End Piping System Coupling	284.03	23.07
		For Galvanized Fittings, Add	*62.36*	
23 21 13 23-0861	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	329.09	26.96
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0862	EA	4" Roust-A-Bout Plain End Piping System Coupling	334.79	30.71
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0863	EA	5" Roust-A-Bout Plain End Piping System Coupling	470.14	38.49
		For Galvanized Fittings, Add	*103.11*	
23 21 13 23-0864	EA	6" Roust-A-Bout Plain End Piping System Coupling	578.70	50.03
		For Galvanized Fittings, Add	*125.93*	
23 21 13 23-0865	EA	8" Roust-A-Bout Plain End Piping System Coupling	982.66	59.68
		For Galvanized Fittings, Add	*223.30*	
23 21 13 23-0866	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,268.02	70.64
		For Galvanized Fittings, Add	*290.51*	
23 21 13 23-0867	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,583.54	83.62
		For Galvanized Fittings, Add	*364.53*	
23 21 13 23-0868	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,209.14	92.41
		For Galvanized Fittings, Add	*517.63*	
23 21 13 23-0869	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,992.11	104.52
		For Galvanized Fittings, Add	*708.85*	
23 21 13 23-0870		**Plain End Piping System Fittings** *(23 21 13 23-0846)* Note: Cast ductile iron bodies.		
23 21 13 23-0871		**Plain End Piping System, 90 Degree Elbows** *(23 21 13 23-0870)*		
23 21 13 23-0872	EA	1" Plain End Piping System, 90 Degree Elbow	156.67	15.72
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0873	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	168.80	23.78
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0874	EA	2" Plain End Piping System, 90 Degree Elbow	180.23	31.43
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0875	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	190.51	38.35
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0876	EA	3" Plain End Piping System, 90 Degree Elbow	229.46	46.42
		For Galvanized Fittings, Add	*31.98*	
23 21 13 23-0877	EA	4" Plain End Piping System, 90 Degree Elbow	324.87	61.13
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0878	EA	5" Plain End Piping System, 90 Degree Elbow	921.87	76.55
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0879	EA	6" Plain End Piping System, 90 Degree Elbow	791.94	100.19
		For Galvanized Fittings, Add	*128.35*	
23 21 13 23-0880	EA	8" Plain End Piping System, 90 Degree Elbow	1,533.89	118.94
		For Galvanized Fittings, Add	*271.09*	
23 21 13 23-0881	EA	10" Plain End Piping System, 90 Degree Elbow	1,911.95	138.97
		For Galvanized Fittings, Add	*340.72*	
23 21 13 23-0882	EA	12" Plain End Piping System, 90 Degree Elbow	2,419.37	166.94
		For Galvanized Fittings, Add	*433.82*	
23 21 13 23-0883		**Plain End Piping System, 45 Degree Elbows** *(23 21 13 23-0870)*		
23 21 13 23-0884	EA	1" Plain End Piping System, 45 Degree Elbow	156.67	15.72
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0885	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	168.80	23.78
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0886	EA	2" Plain End Piping System, 45 Degree Elbow	180.23	31.43
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0887	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	190.51	38.35
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0888	EA	3" Plain End Piping System, 45 Degree Elbow	229.46	46.42
		For Galvanized Fittings, Add	*31.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0889	EA	4" Plain End Piping System, 45 Degree Elbow	324.87	61.13
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0890	EA	5" Plain End Piping System, 45 Degree Elbow	921.87	76.55
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0891	EA	6" Plain End Piping System, 45 Degree Elbow	794.41	100.19
		For Galvanized Fittings, Add	*128.85*	
23 21 13 23-0892	EA	8" Plain End Piping System, 45 Degree Elbow	923.20	118.94
		For Galvanized Fittings, Add	*148.96*	
23 21 13 23-0893	EA	10" Plain End Piping System, 45 Degree Elbow	1,247.72	138.97
		For Galvanized Fittings, Add	*207.88*	
23 21 13 23-0894	EA	12" Plain End Piping System, 45 Degree Elbow	1,593.04	166.94
		For Galvanized Fittings, Add	*268.55*	

23 21 13 23-0895 Plain End Piping System, Tees *(23 21 13 23-0870)*

23 21 13 23-0896	EA	1" Plain End Piping System, Tee	214.94	23.78
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0897	EA	1-1/2" Plain End Piping System, Tee	232.81	35.75
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0898	EA	2" Plain End Piping System, Tee	248.57	46.28
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0899	EA	2-1/2" Plain End Piping System, Tee	264.26	56.66
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0900	EA	3" Plain End Piping System, Tee	362.44	69.64
		For Galvanized Fittings, Add	*51.59*	
23 21 13 23-0901	EA	4" Plain End Piping System, Tee	493.75	90.10
		For Galvanized Fittings, Add	*71.75*	
23 21 13 23-0902	EA	5" Plain End Piping System, Tee	964.76	117.78
		For Galvanized Fittings, Add	*157.62*	
23 21 13 23-0903	EA	6" Plain End Piping System, Tee	1,193.76	147.48
		For Galvanized Fittings, Add	*194.53*	
23 21 13 23-0904	EA	8" Plain End Piping System, Tee	1,616.65	179.34
		For Galvanized Fittings, Add	*269.54*	
23 21 13 23-0905	EA	10" Plain End Piping System, Tee	2,371.45	209.04
		For Galvanized Fittings, Add	*411.61*	
23 21 13 23-0906	EA	12" Plain End Piping System, Tee	3,159.52	250.41
		For Galvanized Fittings, Add	*556.82*	

23 21 13 23-0907 Plain End Piping System, Reducing Tees *(23 21 13 23-0870)*

23 21 13 23-0908	EA	1-1/2" Plain End Piping System, Reducing Tee	411.78	38.35
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0909	EA	2" Plain End Piping System, Reducing Tee	423.63	46.28
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0910	EA	2-1/2" Plain End Piping System, Reducing Tee	439.32	56.66
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0911	EA	3" Plain End Piping System, Reducing Tee	458.79	69.64
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0912	EA	4" Plain End Piping System, Reducing Tee	658.08	90.10
		For Galvanized Fittings, Add	*104.62*	
23 21 13 23-0913	EA	6" Plain End Piping System, Reducing Tee	1,109.37	147.48
		For Galvanized Fittings, Add	*177.65*	
23 21 13 23-0914	EA	8" Plain End Piping System, Reducing Tee	1,438.75	179.34
		For Galvanized Fittings, Add	*233.96*	
23 21 13 23-0915	EA	10" Plain End Piping System, Reducing Tee	2,116.81	209.04
		For Galvanized Fittings, Add	*360.68*	
23 21 13 23-0916	EA	12" Plain End Piping System, Reducing Tee	3,086.66	250.41
		For Galvanized Fittings, Add	*542.25*	

23 21 13 23-0917 Plain End Piping System, Wyes *(23 21 13 23-0870)*

23 21 13 23-0918	EA	2" Plain End Piping System, Wye	594.37	46.28
		For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0919	EA	2-1/2" Plain End Piping System, Wye	610.06	56.66
		For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0920	EA	3" Plain End Piping System, Wye	694.67	69.64
		For Galvanized Fittings, Add	*118.04*	
23 21 13 23-0921	EA	4" Plain End Piping System, Wye	1,011.04	90.10
		For Galvanized Fittings, Add	*175.21*	
23 21 13 23-0922	EA	5" Plain End Piping System, Wye	1,242.71	117.78
		For Galvanized Fittings, Add	*213.21*	
23 21 13 23-0923	EA	6" Plain End Piping System, Wye	1,689.09	147.48
		For Galvanized Fittings, Add	*293.60*	
23 21 13 23-0924	EA	8" Plain End Piping System, Wye	2,170.09	179.34
		For Galvanized Fittings, Add	*380.23*	
23 21 13 23-0925	EA	10" Plain End Piping System, Wye	3,116.85	209.04
		For Galvanized Fittings, Add	*560.69*	
23 21 13 23-0926	EA	12" Plain End Piping System, Wye	4,697.20	250.41
		For Galvanized Fittings, Add	*864.35*	

23 21 13 23-0927 Plain End Piping System, Laterals *(23 21 13 23-0870)*

23 21 13 23-0928	EA	2" Plain End Piping System, Lateral	631.51	46.28
		For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0929	EA	2-1/2" Plain End Piping System, Lateral	647.20	56.66
		For Galvanized Fittings, Add	*112.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0930	EA	3" Plain End Piping System, Lateral	731.56	69.64
		For Galvanized Fittings, Add	*125.42*	
23 21 13 23-0931	EA	4" Plain End Piping System, Lateral	1,081.48	90.10
		For Galvanized Fittings, Add	*189.30*	
23 21 13 23-0932	EA	5" Plain End Piping System, Lateral	1,410.49	117.78
		For Galvanized Fittings, Add	*246.76*	
23 21 13 23-0933	EA	6" Plain End Piping System, Lateral	1,797.04	147.48
		For Galvanized Fittings, Add	*315.19*	
23 21 13 23-0934	EA	8" Plain End Piping System, Lateral	2,566.60	179.34
		For Galvanized Fittings, Add	*459.53*	
23 21 13 23-0935	EA	10" Plain End Piping System, Lateral	3,556.79	209.04
		For Galvanized Fittings, Add	*648.68*	
23 21 13 23-0936	EA	12" Plain End Piping System, Lateral	4,762.59	250.41
		For Galvanized Fittings, Add	*877.43*	

23 21 13 23-0937 Plain End Piping System, Crosses *(23 21 13 23-0870)*

23 21 13 23-0938	EA	2" Plain End Piping System, Cross	714.29	69.34
		For Galvanized Fittings, Add	*76.30*	
23 21 13 23-0939	EA	2-1/2" Plain End Piping System, Cross	737.78	84.91
		For Galvanized Fittings, Add	*76.30*	
23 21 13 23-0940	EA	3" Plain End Piping System, Cross	864.72	104.52
		For Galvanized Fittings, Add	*88.50*	
23 21 13 23-0941	EA	4" Plain End Piping System, Cross	1,175.12	135.08
		For Galvanized Fittings, Add	*121.58*	
23 21 13 23-0942	EA	5" Plain End Piping System, Cross	1,646.50	176.75
		For Galvanized Fittings, Add	*172.69*	
23 21 13 23-0943	EA	6" Plain End Piping System, Cross	2,154.80	220.57
		For Galvanized Fittings, Add	*228.02*	
23 21 13 23-0944	EA	8" Plain End Piping System, Cross	2,740.66	267.13
		For Galvanized Fittings, Add	*292.53*	
23 21 13 23-0945	EA	10" Plain End Piping System, Cross	3,882.57	312.26
		For Galvanized Fittings, Add	*426.81*	
23 21 13 23-0946	EA	12" Plain End Piping System, Cross	5,486.58	375.69
		For Galvanized Fittings, Add	*615.43*	

23 21 13 23-0947 Plain End Piping System, Adapter Nipples *(23 21 13 23-0870)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0948	EA	1" Plain End Piping System, Adapter Nipple	47.85	8.65
		For Galvanized Fittings, Add	*8.72*	
23 21 13 23-0949	EA	1-1/2" Plain End Piping System, Adapter Nipple	53.85	11.97
		For Galvanized Fittings, Add	*8.96*	
23 21 13 23-0950	EA	2" Plain End Piping System, Adapter Nipple	59.54	15.86
		For Galvanized Fittings, Add	*8.96*	
23 21 13 23-0951	EA	2-1/2" Plain End Piping System, Adapter Nipple	70.81	19.18
		For Galvanized Fittings, Add	*10.50*	
23 21 13 23-0952	EA	3" Plain End Piping System, Adapter Nipple	86.47	23.07
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-0953	EA	4" Plain End Piping System, Adapter Nipple	132.87	30.71
		For Galvanized Fittings, Add	*21.69*	
23 21 13 23-0954	EA	6" Plain End Piping System, Adapter Nipple	292.25	38.49
		For Galvanized Fittings, Add	*58.65*	

23 21 13 23-0955 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0870)*

23 21 13 23-0956	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	148.19	20.62
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0957	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	153.98	24.51
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0958	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	159.81	28.40
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0959	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	158.38	27.53
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0960	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	164.07	31.28
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0961	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	169.82	35.03
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0962	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	190.22	31.72
		For Galvanized Fittings, Add	*35.68*	
23 21 13 23-0963	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	195.35	35.03
		For Galvanized Fittings, Add	*35.68*	
23 21 13 23-0964	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	168.19	38.93
		For Galvanized Fittings, Add	*27.45*	
23 21 13 23-0965	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	179.35	46.42
		For Galvanized Fittings, Add	*27.45*	
23 21 13 23-0966	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	206.19	50.03
		For Galvanized Fittings, Add	*32.82*	
23 21 13 23-0967	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	259.79	39.36
		For Galvanized Fittings, Add	*50.18*	
23 21 13 23-0968	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	264.84	42.82
		For Galvanized Fittings, Add	*50.18*	
23 21 13 23-0969	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	221.96	46.71
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0970	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	226.91	50.03
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0971	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	232.79	53.92
		For Galvanized Fittings, Add	*38.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0972	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	238.41	57.67
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0973	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	640.45	54.35
		For Galvanized Fittings, Add	*139.73*	
23 21 13 23-0974	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	523.58	61.41
		For Galvanized Fittings, Add	*107.85*	
23 21 13 23-0975	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	458.86	69.34
		For Galvanized Fittings, Add	*88.75*	
23 21 13 23-0976	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,152.86	58.68
		For Galvanized Fittings, Add	*266.24*	
23 21 13 23-0977	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,157.84	61.99
		For Galvanized Fittings, Add	*266.24*	
23 21 13 23-0978	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	886.41	65.89
		For Galvanized Fittings, Add	*196.92*	
23 21 13 23-0979	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	891.53	69.34
		For Galvanized Fittings, Add	*196.92*	
23 21 13 23-0980	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	620.03	73.09
		For Galvanized Fittings, Add	*127.62*	
23 21 13 23-0981	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	625.26	76.55
		For Galvanized Fittings, Add	*127.62*	
23 21 13 23-0982	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	508.08	80.74
		For Galvanized Fittings, Add	*96.79*	
23 21 13 23-0983	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	576.40	88.37
		For Galvanized Fittings, Add	*110.97*	
23 21 13 23-0984	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	739.50	82.60
		For Galvanized Fittings, Add	*153.91*	
23 21 13 23-0985	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	751.13	90.39
		For Galvanized Fittings, Add	*153.91*	
23 21 13 23-0986	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	847.46	98.18
		For Galvanized Fittings, Add	*175.09*	
23 21 13 23-0987	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	949.63	109.71
		For Galvanized Fittings, Add	*196.27*	

23 21 13 23-0988 Plain End Piping System, Bull Plugs *(23 21 13 23-0870)*

23 21 13 23-0989	EA	1" Plain End Piping System, Bull Plug	302.41	8.65
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-0990	EA	1-1/2" Plain End Piping System, Bull Plug	307.45	11.97
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-0991	EA	2" Plain End Piping System, Bull Plug	313.14	15.86
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-0992	EA	2-1/2" Plain End Piping System, Bull Plug	318.25	19.18
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-0993	EA	3" Plain End Piping System, Bull Plug	458.86	23.07
		For Galvanized Fittings, Add	*127.28*	
23 21 13 23-0994	EA	4" Plain End Piping System, Bull Plug	594.13	30.71
		For Galvanized Fittings, Add	*164.40*	
23 21 13 23-0995	EA	5" Plain End Piping System, Bull Plug	1,026.11	38.49
		For Galvanized Fittings, Add	*290.54*	
23 21 13 23-0996	EA	6" Plain End Piping System, Bull Plug	1,366.63	50.03
		For Galvanized Fittings, Add	*387.50*	
23 21 13 23-0997	EA	8" Plain End Piping System, Bull Plug	2,517.79	59.54
		For Galvanized Fittings, Add	*728.53*	
23 21 13 23-0998	EA	10" Plain End Piping System, Bull Plug	4,512.85	69.64
		For Galvanized Fittings, Add	*1,322.51*	
23 21 13 23-0999	EA	12" Plain End Piping System, Bull Plug	6,904.70	83.62
		For Galvanized Fittings, Add	*2,033.79*	

23 21 13 23-1000 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-1001 Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1000)*

Note: ASTM A105

23 21 13 23-1002 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1001)*

23 21 13 23-1003	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	47.87	28.54
23 21 13 23-1004	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	53.70	31.86
23 21 13 23-1005	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	64.23	35.61
23 21 13 23-1006	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	80.66	40.37
23 21 13 23-1007	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	91.68	45.41
23 21 13 23-1008	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	121.13	57.81
23 21 13 23-1009	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	215.80	85.48
23 21 13 23-1010	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	299.45	112.44
23 21 13 23-1011	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	458.34	120.43

23 21 13 23-1012 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1001)*

23 21 13 23-1013	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	50.13	28.54
23 21 13 23-1014	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	57.13	31.86
23 21 13 23-1015	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	65.29	35.61
23 21 13 23-1016	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	81.99	40.37
23 21 13 23-1017	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	94.88	45.41
23 21 13 23-1018	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	121.06	57.81
23 21 13 23-1019	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	235.38	85.48
23 21 13 23-1020	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	316.02	112.44
23 21 13 23-1021	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	451.17	120.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1022		**Straight Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1001)*		
23 21 13 23-1023	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	59.24	35.61
23 21 13 23-1024	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	70.05	41.08
23 21 13 23-1025	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	87.75	48.58
23 21 13 23-1026	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	110.94	57.81
23 21 13 23-1027	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	133.55	68.91
23 21 13 23-1028	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	171.99	85.48
23 21 13 23-1029	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	274.17	112.44
23 21 13 23-1030	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	358.73	133.49
23 21 13 23-1031	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	600.35	152.04
23 21 13 23-1032		**Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1001)*		
23 21 13 23-1033	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	59.86	35.61
23 21 13 23-1034	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	70.70	41.08
23 21 13 23-1035	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	88.52	48.58
23 21 13 23-1036	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	112.76	57.81
23 21 13 23-1037	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	135.68	68.91
23 21 13 23-1038	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	175.26	85.48
23 21 13 23-1039	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	281.95	112.44
23 21 13 23-1040	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	369.94	133.49
23 21 13 23-1041	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	560.46	152.04
23 21 13 23-1042		**Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1001)*		
23 21 13 23-1043	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	45.07	28.54
23 21 13 23-1044	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	50.60	31.86
23 21 13 23-1045	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	57.66	35.61
23 21 13 23-1046	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	65.82	40.37
23 21 13 23-1047	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	75.40	45.41
23 21 13 23-1048	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	97.16	57.81
23 21 13 23-1049	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	154.74	85.48
23 21 13 23-1050	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	205.30	112.44
23 21 13 23-1051	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	253.67	120.43
23 21 13 23-1052		**Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1001)*		
23 21 13 23-1053	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	46.34	28.54
23 21 13 23-1054	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	51.99	31.86
23 21 13 23-1055	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	59.88	35.61
23 21 13 23-1056	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	68.51	40.37
23 21 13 23-1057	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	79.38	45.41
23 21 13 23-1058	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	101.41	57.81
23 21 13 23-1059	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	164.11	85.48
23 21 13 23-1060	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	224.15	112.44
23 21 13 23-1061	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	292.85	120.43
23 21 13 23-1062		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1001)*		
23 21 13 23-1063	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	23.74	13.41
23 21 13 23-1064	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	26.22	14.28
23 21 13 23-1065	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	30.53	16.43
23 21 13 23-1066	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	34.39	17.88
23 21 13 23-1067	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	37.21	17.88
23 21 13 23-1068	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	48.16	22.93
23 21 13 23-1069	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	75.01	28.54
23 21 13 23-1070	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	102.54	34.46
23 21 13 23-1071	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	141.19	41.21
23 21 13 23-1072		**Black Cast Iron Square Head Plug** *(23 21 13 23-1001)*		
23 21 13 23-1073	EA	1/2" Square Head Plug, Black, Cast Iron	17.83	11.39
23 21 13 23-1074	EA	3/4" Square Head Plug, Black, Cast Iron	19.04	11.39
23 21 13 23-1075	EA	1" Square Head Plug, Black, Cast Iron	28.08	17.30
23 21 13 23-1076	EA	1-1/4" Square Head Plug, Black, Cast Iron	28.32	17.30
23 21 13 23-1077	EA	1-1/2" Square Head Plug, Black, Cast Iron	29.32	17.30
23 21 13 23-1078	EA	2" Square Head Plug, Black, Cast Iron	38.96	22.93
23 21 13 23-1079	EA	2-1/2" Square Head Plug, Black, Cast Iron	49.26	28.54
23 21 13 23-1080	EA	3" Square Head Plug, Black, Cast Iron	62.17	34.46
23 21 13 23-1081	EA	4" Square Head Plug, Black, Cast Iron	74.21	41.21
23 21 13 23-1082		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1001)*		
23 21 13 23-1083	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	66.56	35.61
23 21 13 23-1084	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	75.13	41.08
23 21 13 23-1085	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	92.57	48.58
23 21 13 23-1086	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	113.85	57.81
23 21 13 23-1087	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	136.62	68.91
23 21 13 23-1088	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	170.20	85.48
23 21 13 23-1089	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	246.97	92.84
23 21 13 23-1090	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	321.24	112.44

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1091			Class 6,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1000)* Note: ASTM A105		
23 21 13 23-1092			90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1093	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	50.60	28.54
	23 21 13 23-1094	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	56.82	31.86
	23 21 13 23-1095	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	69.99	35.61
	23 21 13 23-1096	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	91.39	40.37
	23 21 13 23-1097	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	104.18	45.41
	23 21 13 23-1098	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	139.48	57.81
	23 21 13 23-1099	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	262.35	85.48
	23 21 13 23-1100	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	368.94	112.44
	23 21 13 23-1101	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	605.91	120.43
23 21 13 23-1102			45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1103	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	54.33	28.54
	23 21 13 23-1104	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	62.40	31.86
	23 21 13 23-1105	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	72.02	35.61
	23 21 13 23-1106	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	94.19	40.37
	23 21 13 23-1107	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	110.01	45.41
	23 21 13 23-1108	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	140.59	57.81
	23 21 13 23-1109	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	296.10	85.48
	23 21 13 23-1110	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	399.49	112.44
	23 21 13 23-1111	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	604.43	120.43
23 21 13 23-1112			Straight Tees, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1113	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	64.65	35.61
	23 21 13 23-1114	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	77.88	41.08
	23 21 13 23-1115	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	101.59	48.58
	23 21 13 23-1116	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	133.50	57.81
	23 21 13 23-1117	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	161.52	68.91
	23 21 13 23-1118	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	212.60	85.48
	23 21 13 23-1119	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	371.94	112.44
	23 21 13 23-1120	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	505.53	133.49
	23 21 13 23-1121	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	945.24	152.04
23 21 13 23-1122			Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1123	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	59.86	35.61
	23 21 13 23-1124	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	70.70	41.08
	23 21 13 23-1125	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	88.52	48.58
	23 21 13 23-1126	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	112.76	57.81
	23 21 13 23-1127	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	135.68	68.91
	23 21 13 23-1128	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	175.26	85.48
	23 21 13 23-1129	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	281.95	112.44
	23 21 13 23-1130	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	369.94	133.49
	23 21 13 23-1131	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	560.46	152.04
23 21 13 23-1132			Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1133	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	46.21	28.54
	23 21 13 23-1134	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	51.95	31.86
	23 21 13 23-1135	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	59.72	35.61
	23 21 13 23-1136	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	68.42	40.37
	23 21 13 23-1137	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	78.90	45.41
	23 21 13 23-1138	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	102.28	57.81
	23 21 13 23-1139	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	167.61	85.48
	23 21 13 23-1140	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	223.04	112.44
	23 21 13 23-1141	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	289.06	120.43
23 21 13 23-1142			Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1143	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	48.07	28.54
	23 21 13 23-1144	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	54.00	31.86
	23 21 13 23-1145	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	63.00	35.61
	23 21 13 23-1146	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	72.38	40.37
	23 21 13 23-1147	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	84.76	45.41
	23 21 13 23-1148	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	108.53	57.81
	23 21 13 23-1149	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	181.38	85.48
	23 21 13 23-1150	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	250.80	112.44
	23 21 13 23-1151	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	346.79	120.43
23 21 13 23-1152			Caps, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1091)*		
	23 21 13 23-1153	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	26.23	13.41
	23 21 13 23-1154	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	29.49	14.28
	23 21 13 23-1155	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	34.49	16.43
	23 21 13 23-1156	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	39.55	17.88
	23 21 13 23-1157	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	44.26	17.88
	23 21 13 23-1158	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	57.36	22.93
	23 21 13 23-1159	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	96.68	28.54
	23 21 13 23-1160	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	136.67	34.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1161	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	194.42	41.21
23 21 13 23-1162		**Black Cast Iron Square Head Plug** *(23 21 13 23-1091)*		
23 21 13 23-1163	EA	1/2" Square Head Plug, Black Cast Iron	17.84	11.39
23 21 13 23-1164	EA	3/4" Square Head Plug, Black Cast Iron	19.05	11.39
23 21 13 23-1165	EA	1" Square Head Plug, Black Cast Iron	28.09	17.30
23 21 13 23-1166	EA	1-1/4" Square Head Plug, Black Cast Iron	28.33	17.30
23 21 13 23-1167	EA	1-1/2" Square Head Plug, Black Cast Iron	29.33	17.30
23 21 13 23-1168	EA	2" Square Head Plug, Black Cast Iron	38.98	22.93
23 21 13 23-1169	EA	2-1/2" Square Head Plug, Black Cast Iron	49.30	28.54
23 21 13 23-1170	EA	3" Square Head Plug, Black Cast Iron	62.22	34.46
23 21 13 23-1171	EA	4" Square Head Plug, Black Cast Iron	74.27	41.21
23 21 13 23-1172		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1091)*		
23 21 13 23-1173	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	74.62	35.61
23 21 13 23-1174	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	83.39	41.08
23 21 13 23-1175	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	104.65	48.58
23 21 13 23-1176	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	130.52	57.81
23 21 13 23-1177	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	156.96	68.91
23 21 13 23-1178	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	195.91	85.48
23 21 13 23-1179	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	312.82	92.84
23 21 13 23-1180	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	414.57	112.44
23 21 13 23-1181		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1000)* Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1182		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1181)* Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1183	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.12	5.33
		For Schedule 80, Add	*2.56*	
23 21 13 23-1184	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.25	5.77
		For Schedule 80, Add	*2.34*	
		For Schedule 160, Add	*9.77*	
23 21 13 23-1185	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	17.28	6.20
		For Schedule 80, Add	*2.87*	
		For Schedule 160, Add	*11.96*	
23 21 13 23-1186	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	18.30	6.78
		For Schedule 80, Add	*2.96*	
		For Schedule 160, Add	*12.33*	
23 21 13 23-1187	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	25.85	8.36
		For Schedule 80, Add	*4.80*	
		For Schedule 160, Add	*19.98*	
23 21 13 23-1188	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	31.11	10.09
		For Schedule 80, Add	*5.74*	
		For Schedule 160, Add	*23.91*	
23 21 13 23-1189		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1190	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	36.05	21.91
23 21 13 23-1191	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	42.89	25.66
23 21 13 23-1192	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	47.97	28.69
23 21 13 23-1193	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	54.28	32.00
23 21 13 23-1194	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	77.43	40.94
23 21 13 23-1195	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	98.22	52.04
23 21 13 23-1196	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	37.09	21.91
23 21 13 23-1197	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	43.28	25.66
23 21 13 23-1198	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	49.25	28.69
23 21 13 23-1199	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	57.06	32.00
23 21 13 23-1200	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	84.07	40.94
23 21 13 23-1201	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	105.55	52.04
23 21 13 23-1202	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	46.89	25.66
23 21 13 23-1203	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	53.80	28.69
23 21 13 23-1204	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	61.84	32.00
23 21 13 23-1205	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	97.51	40.94
23 21 13 23-1206	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	141.19	52.04
23 21 13 23-1207		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1208	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	38.44	21.91
23 21 13 23-1209	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	43.73	25.66
23 21 13 23-1210	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	49.05	28.69
23 21 13 23-1211	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	55.10	32.00
23 21 13 23-1212	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	74.78	40.94
23 21 13 23-1213	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	102.31	52.04
23 21 13 23-1214	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	38.60	21.91
23 21 13 23-1215	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	44.67	25.66
23 21 13 23-1216	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	50.14	28.69
23 21 13 23-1217	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	57.94	32.00
23 21 13 23-1218	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	83.05	40.94
23 21 13 23-1219	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	107.84	52.04
23 21 13 23-1220	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	49.39	25.66
23 21 13 23-1221	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	58.31	28.69
23 21 13 23-1222	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	63.53	32.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1223	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	107.09	40.94
23 21 13 23-1224	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	141.82	52.04
23 21 13 23-1225		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1226	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	47.82	30.42
23 21 13 23-1227	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	53.82	32.00
23 21 13 23-1228	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	63.32	37.05
23 21 13 23-1229	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	76.29	43.68
23 21 13 23-1230	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	115.64	61.99
23 21 13 23-1231	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	143.38	76.99
23 21 13 23-1232	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	48.70	30.42
23 21 13 23-1233	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	54.39	32.00
23 21 13 23-1234	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	65.24	37.05
23 21 13 23-1235	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	77.93	43.68
23 21 13 23-1236	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	121.33	61.99
23 21 13 23-1237	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	152.81	76.99
23 21 13 23-1238	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	58.73	32.00
23 21 13 23-1239	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	69.90	37.05
23 21 13 23-1240	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	89.45	43.68
23 21 13 23-1241	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	134.42	61.99
23 21 13 23-1242	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	194.53	76.99
23 21 13 23-1243		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1244	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	67.71	38.49
23 21 13 23-1245	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	78.29	43.25
23 21 13 23-1246	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	83.77	46.13
23 21 13 23-1247	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	102.54	55.64
23 21 13 23-1248	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	162.64	77.85
23 21 13 23-1249	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	206.30	96.16
23 21 13 23-1250	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	79.38	43.25
23 21 13 23-1251	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	90.00	46.13
23 21 13 23-1252	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	107.99	55.64
23 21 13 23-1253	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	170.50	77.85
23 21 13 23-1254	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	220.66	96.16
23 21 13 23-1255	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	99.67	43.25
23 21 13 23-1256	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	145.39	46.13
23 21 13 23-1257	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	193.35	55.64
23 21 13 23-1258	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	297.43	77.85
23 21 13 23-1259	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	334.80	96.16
23 21 13 23-1260		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1261	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	34.95	21.91
23 21 13 23-1262	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	40.24	25.66
23 21 13 23-1263	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	45.51	28.69
23 21 13 23-1264	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	51.78	32.00
23 21 13 23-1265	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	70.73	40.94
23 21 13 23-1266	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	89.80	52.04
23 21 13 23-1267	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	37.55	21.91
23 21 13 23-1268	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	41.89	25.66
23 21 13 23-1269	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	46.77	28.69
23 21 13 23-1270	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	53.46	32.00
23 21 13 23-1271	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	73.31	40.94
23 21 13 23-1272	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	99.20	52.04
23 21 13 23-1273		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1274	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	35.31	23.35
23 21 13 23-1275	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	41.09	25.66
23 21 13 23-1276	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	46.81	28.69
23 21 13 23-1277	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	53.59	32.00
23 21 13 23-1278	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	71.20	40.94
23 21 13 23-1279	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	92.34	52.04
23 21 13 23-1280	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	74.41	25.66
23 21 13 23-1281	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	79.00	28.69
23 21 13 23-1282	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	91.10	32.00
23 21 13 23-1283	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	126.69	40.94
23 21 13 23-1284	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	176.32	52.04
23 21 13 23-1285		**Caps, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1286	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	16.28	9.80
23 21 13 23-1287	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	18.96	11.39
23 21 13 23-1288	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	21.68	12.83
23 21 13 23-1289	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	25.19	14.28
23 21 13 23-1290	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	33.29	18.17
23 21 13 23-1291	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	43.91	23.21
23 21 13 23-1292	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	19.40	9.80
23 21 13 23-1293	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	20.96	11.39
23 21 13 23-1294	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	24.94	12.83
23 21 13 23-1295	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	27.57	14.28
23 21 13 23-1296	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	42.99	18.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1297	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	53.36	23.21
23 21 13 23-1298		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1299	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	21.28	13.12
23 21 13 23-1300	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	21.78	13.69
23 21 13 23-1301	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	21.71	13.69
23 21 13 23-1302	EA	1" Nipple, 2" Long, Screwed Carbon Steel	23.76	14.85
23 21 13 23-1303	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	26.42	16.00
23 21 13 23-1304	EA	2" Nipple, 2" Long, Screwed Carbon Steel	32.80	20.62
23 21 13 23-1305	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	21.88	13.12
23 21 13 23-1306	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	22.26	13.69
23 21 13 23-1307	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	22.24	13.69
23 21 13 23-1308	EA	1" Nipple, 4" Long, Screwed Carbon Steel	24.48	14.85
23 21 13 23-1309	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	27.70	16.00
23 21 13 23-1310	EA	2" Nipple, 4" Long, Screwed Carbon Steel	34.68	20.62
23 21 13 23-1311	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	23.30	13.12
23 21 13 23-1312	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	23.01	13.69
23 21 13 23-1313	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	23.08	13.69
23 21 13 23-1314	EA	1" Nipple, 6" Long, Screwed Carbon Steel	25.52	14.85
23 21 13 23-1315	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	29.46	16.00
23 21 13 23-1316	EA	2" Nipple, 6" Long, Screwed Carbon Steel	36.24	20.62
23 21 13 23-1317		**Unions, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1318	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel	45.36	31.86
23 21 13 23-1319	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel	49.07	32.00
23 21 13 23-1320	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel	56.50	37.05
23 21 13 23-1321	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	67.06	43.68
23 21 13 23-1322	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	95.59	61.99
23 21 13 23-1323	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	118.59	76.99
23 21 13 23-1324	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel	59.18	31.86
23 21 13 23-1325	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel	65.77	32.00
23 21 13 23-1326	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel	76.73	37.05
23 21 13 23-1327	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	91.99	43.68
23 21 13 23-1328	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	146.56	61.99
23 21 13 23-1329	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	181.32	76.99
23 21 13 23-1330		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1331	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel	96.69	59.54
23 21 13 23-1332	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel	101.24	62.43
23 21 13 23-1333	EA	1" Flange, 150 Lb., Screwed Carbon Steel	105.30	65.16
23 21 13 23-1334	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel	117.88	73.38
23 21 13 23-1335	EA	2" Flange, 150 Lb., Screwed Carbon Steel	122.69	76.55
23 21 13 23-1336	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel	97.16	59.54
		For Ring Type Joint, Add	*7.81*	
		For Blind Flange, Deduct	*-37.30*	
23 21 13 23-1337	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel	101.74	62.43
		For Ring Type Joint, Add	*8.08*	
		For Blind Flange, Deduct	*-39.08*	
23 21 13 23-1338	EA	1" Flange, 300 Lb., Screwed Carbon Steel	106.05	65.16
		For Ring Type Joint, Add	*8.33*	
		For Blind Flange, Deduct	*-40.75*	
23 21 13 23-1339	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel	119.68	73.38
		For Ring Type Joint, Add	*9.64*	
		For Blind Flange, Deduct	*-45.94*	
23 21 13 23-1340	EA	2" Flange, 300 Lb., Screwed Carbon Steel	124.49	76.55
		For Ring Type Joint, Add	*9.64*	
		For Blind Flange, Deduct	*-47.87*	
23 21 13 23-1341	EA	1/2" Flange, 600 Lb., Screwed Carbon Steel	100.24	59.54
		For Ring Type Joint, Add	*10.89*	
		For Blind Flange, Deduct	*-37.92*	
23 21 13 23-1342	EA	3/4" Flange, 600 Lb., Screwed Carbon Steel	104.55	62.43
		For Ring Type Joint, Add	*10.89*	
		For Blind Flange, Deduct	*-39.64*	
23 21 13 23-1343	EA	1" Flange, 600 Lb., Screwed Carbon Steel	109.10	65.16
		For Ring Type Joint, Add	*11.38*	
		For Blind Flange, Deduct	*-41.36*	
23 21 13 23-1344	EA	1-1/2" Flange, 600 Lb., Screwed Carbon Steel	123.46	73.38
		For Ring Type Joint, Add	*13.42*	
		For Blind Flange, Deduct	*-46.70*	
23 21 13 23-1345	EA	2" Flange, 600 Lb., Screwed Carbon Steel	127.34	76.55
		For Ring Type Joint, Add	*12.49*	
		For Blind Flange, Deduct	*-48.44*	
23 21 13 23-1346		**Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1347	EA	1/4" Square Head Plug, Screwed Carbon Steel	6.71	4.03
23 21 13 23-1348	EA	1/2" Square Head Plug, Screwed Carbon Steel	8.04	4.76
23 21 13 23-1349	EA	3/4" Square Head Plug, Screwed Carbon Steel	9.24	5.47
23 21 13 23-1350	EA	1" Square Head Plug, Screwed Carbon Steel	13.51	8.08
23 21 13 23-1351	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	15.32	8.08
23 21 13 23-1352	EA	2" Square Head Plug, Screwed Carbon Steel	21.16	10.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1353		**Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1354	EA	1/4" Hex Head Plug, Screwed Carbon Steel	6.53	4.03
23 21 13 23-1355	EA	1/2" Hex Head Plug, Screwed Carbon Steel	7.87	4.76
23 21 13 23-1356	EA	3/4" Hex Head Plug, Screwed Carbon Steel	9.13	5.47
23 21 13 23-1357	EA	1" Hex Head Plug, Screwed Carbon Steel	13.41	8.08
23 21 13 23-1358	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	14.92	8.08
23 21 13 23-1359	EA	2" Hex Head Plug, Screwed Carbon Steel	21.45	10.53
23 21 13 23-1360		**Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1361	EA	1/4" Round Head Plug, Screwed Carbon Steel	7.12	4.03
23 21 13 23-1362	EA	1/2" Round Head Plug, Screwed Carbon Steel	8.07	4.76
23 21 13 23-1363	EA	3/4" Round Head Plug, Screwed Carbon Steel	9.16	5.47
23 21 13 23-1364	EA	1" Round Head Plug, Screwed Carbon Steel	13.58	8.08
23 21 13 23-1365	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	15.83	8.08
23 21 13 23-1366	EA	2" Round Head Plug, Screwed Carbon Steel	21.34	10.53
23 21 13 23-1367		**Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1368	EA	1/4" Hex Bushing, Screwed Carbon Steel	6.67	4.03
23 21 13 23-1369	EA	1/2" Hex Bushing, Screwed Carbon Steel	7.87	4.76
23 21 13 23-1370	EA	3/4" Hex Bushing, Screwed Carbon Steel	9.08	5.47
23 21 13 23-1371	EA	1" Hex Bushing, Screwed Carbon Steel	13.54	8.08
23 21 13 23-1372	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	14.89	8.08
23 21 13 23-1373	EA	2" Hex Bushing, Screwed Carbon Steel	21.03	10.53
23 21 13 23-1374		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1181)*		
23 21 13 23-1375	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.36	21.91
23 21 13 23-1376	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	45.49	25.66
23 21 13 23-1377	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	52.09	28.69
23 21 13 23-1378	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	59.64	32.00
23 21 13 23-1379	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	86.16	40.94
23 21 13 23-1380	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	113.35	52.04
23 21 13 23-1381	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	54.93	25.66
23 21 13 23-1382	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	71.29	28.69
23 21 13 23-1383	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	91.77	32.00
23 21 13 23-1384	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	174.53	40.94
23 21 13 23-1385		**Screwed Carbon Steel Laterals** *(23 21 13 23-1181)*		
23 21 13 23-1386	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	113.09	32.00
23 21 13 23-1387	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	134.63	37.05
23 21 13 23-1388	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	163.37	43.68
23 21 13 23-1389	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	215.17	61.99
23 21 13 23-1390	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	268.04	76.99
23 21 13 23-1391	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	135.15	32.00
23 21 13 23-1392	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	167.43	37.05
23 21 13 23-1393	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	198.45	43.68
23 21 13 23-1394	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	279.66	61.99
23 21 13 23-1395		**Grooved-Joint Pipe** *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1396		**Schedule 10 Black Grooved Pipe** *(23 21 13 23-1395)*		
23 21 13 23-1397	LF	2" Black Schedule 10 Grooved Pipe	36.24	18.31
		For Work In Restricted Working Space, Add	*8.22*	
23 21 13 23-1398	LF	2-1/2" Black Schedule 10 Grooved Pipe	49.13	25.08
		For Work In Restricted Working Space, Add	*11.29*	
23 21 13 23-1399	LF	3" Black Schedule 10 Grooved Pipe	54.99	27.83
		For Work In Restricted Working Space, Add	*12.52*	
23 21 13 23-1400	LF	3-1/2" Black Schedule 10 Grooved Pipe	60.29	28.83
		For Work In Restricted Working Space, Add	*12.99*	
23 21 13 23-1401	LF	4" Black Schedule 10 Grooved Pipe	64.29	31.28
		For Work In Restricted Working Space, Add	*14.06*	
23 21 13 23-1402	LF	5" Black Schedule 10 Grooved Pipe	88.02	38.35
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-1403	LF	6" Black Schedule 10 Grooved Pipe	115.87	54.49
		For Work In Restricted Working Space, Add	*24.48*	
23 21 13 23-1404	LF	8" Black Schedule 10 Grooved Pipe	152.05	61.13
		For Work In Restricted Working Space, Add	*27.47*	
23 21 13 23-1405	LF	10" Black Schedule 10 Grooved Pipe	189.26	73.67
		For Work In Restricted Working Space, Add	*33.13*	
23 21 13 23-1406	LF	12" Black Schedule 10 Grooved Pipe	217.63	83.47
		For Work In Restricted Working Space, Add	*37.55*	
23 21 13 23-1407		**Schedule 40 Black Grooved Pipe** *(23 21 13 23-1395)*		
23 21 13 23-1408	LF	3/4" Black Schedule 40 Grooved Pipe	21.78	11.10
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-1409	LF	1" Black Schedule 40 Grooved Pipe	24.59	12.54
		For Work In Restricted Working Space, Add	*5.61*	
23 21 13 23-1410	LF	1-1/4" Black Schedule 40 Grooved Pipe	27.66	13.55
		For Work In Restricted Working Space, Add	*6.09*	

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23 21 13 23-1411	LF	1-1/2" Black Schedule 40 Grooved Pipe	31.48	15.43
		For Work In Restricted Working Space, Add	*6.93*	
23 21 13 23-1412	LF	2" Black Schedule 40 Grooved Pipe	39.79	19.61
		For Work In Restricted Working Space, Add	*8.84*	
23 21 13 23-1413	LF	2-1/2" Black Schedule 40 Grooved Pipe	55.18	26.82
		For Work In Restricted Working Space, Add	*12.08*	
23 21 13 23-1414	LF	3" Black Schedule 40 Grooved Pipe	64.61	30.56
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-1415	LF	4" Black Schedule 40 Grooved Pipe	77.60	34.03
		For Work In Restricted Working Space, Add	*15.30*	
23 21 13 23-1416	LF	5" Black Schedule 40 Grooved Pipe	104.26	41.38
		For Work In Restricted Working Space, Add	*18.61*	
23 21 13 23-1417	LF	6" Black Schedule 40 Grooved Pipe	142.12	59.68
		For Work In Restricted Working Space, Add	*26.82*	
23 21 13 23-1418	LF	8" Black Schedule 40 Grooved Pipe	183.26	67.61
		For Work In Restricted Working Space, Add	*30.44*	
23 21 13 23-1419	LF	10" Black Schedule 40 Grooved Pipe	246.73	80.74
		For Work In Restricted Working Space, Add	*36.33*	
23 21 13 23-1420	LF	12" Black Schedule 40 Grooved Pipe	289.51	92.69
		For Work In Restricted Working Space, Add	*41.72*	
23 21 13 23-1421	LF	14" Black Schedule 40 Grooved Pipe	383.45	125.28
		For Work In Restricted Working Space, Add	*56.31*	
23 21 13 23-1422	LF	16" Black Schedule 40 Grooved Pipe	445.79	147.34
		For Work In Restricted Working Space, Add	*66.25*	
23 21 13 23-1423	LF	18" Black Schedule 40 Grooved Pipe	551.55	178.90
		For Work In Restricted Working Space, Add	*80.45*	
23 21 13 23-1424	LF	20" Black Schedule 40 Grooved Pipe	637.14	208.60
		For Work In Restricted Working Space, Add	*93.86*	
23 21 13 23-1425	LF	24" Black Schedule 40 Grooved Pipe	822.43	250.41
		For Work In Restricted Working Space, Add	*112.63*	

23 21 13 23-1426 Schedule 80 Black Grooved Pipe *(23 21 13 23-1395)*

23 21 13 23-1427	LF	3/4" Black Schedule 80 Grooved Pipe	23.86	12.11
		For Work In Restricted Working Space, Add	*5.44*	
23 21 13 23-1428	LF	1" Black Schedule 80 Grooved Pipe	26.24	12.83
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-1429	LF	1-1/4" Black Schedule 80 Grooved Pipe	30.40	14.28
		For Work In Restricted Working Space, Add	*6.42*	
23 21 13 23-1430	LF	1-1/2" Black Schedule 80 Grooved Pipe	34.51	16.00
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-1431	LF	2" Black Schedule 80 Grooved Pipe	44.60	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-1432	LF	2-1/2" Black Schedule 80 Grooved Pipe	62.48	28.40
		For Work In Restricted Working Space, Add	*12.76*	
23 21 13 23-1433	LF	3" Black Schedule 80 Grooved Pipe	73.60	31.86
		For Work In Restricted Working Space, Add	*14.35*	
23 21 13 23-1434	LF	4" Black Schedule 80 Grooved Pipe	89.97	34.74
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-1435	LF	5" Black Schedule 80 Grooved Pipe	132.99	43.68
		For Work In Restricted Working Space, Add	*19.68*	
23 21 13 23-1436	LF	6" Black Schedule 80 Grooved Pipe	175.79	62.57
		For Work In Restricted Working Space, Add	*28.16*	
23 21 13 23-1437	LF	8" Black Schedule 80 Grooved Pipe	252.64	71.50
		For Work In Restricted Working Space, Add	*32.18*	
23 21 13 23-1438	LF	10" Black Schedule 80 Grooved Pipe	313.16	86.35
		For Work In Restricted Working Space, Add	*38.84*	
23 21 13 23-1439	LF	12" Black Schedule 80 Grooved Pipe	336.17	104.38
		For Work In Restricted Working Space, Add	*46.93*	

23 21 13 23-1440 Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1395)*

23 21 13 23-1441	LF	3/4" Galvanized Schedule 40 Grooved Pipe	22.91	11.10
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-1442	LF	1" Galvanized Schedule 40 Grooved Pipe	26.45	12.54
		For Work In Restricted Working Space, Add	*5.61*	
23 21 13 23-1443	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	29.36	13.55
		For Work In Restricted Working Space, Add	*6.09*	
23 21 13 23-1444	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	33.43	15.43
		For Work In Restricted Working Space, Add	*6.93*	
23 21 13 23-1445	LF	2" Galvanized Schedule 40 Grooved Pipe	42.33	19.61
		For Work In Restricted Working Space, Add	*8.84*	
23 21 13 23-1446	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	59.07	26.82
		For Work In Restricted Working Space, Add	*12.08*	
23 21 13 23-1447	LF	3" Galvanized Schedule 40 Grooved Pipe	69.70	30.56
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-1448	LF	4" Galvanized Schedule 40 Grooved Pipe	84.80	34.03
		For Work In Restricted Working Space, Add	*15.30*	
23 21 13 23-1449	LF	5" Galvanized Schedule 40 Grooved Pipe	117.05	41.38
		For Work In Restricted Working Space, Add	*18.61*	
23 21 13 23-1450	LF	6" Galvanized Schedule 40 Grooved Pipe	159.10	59.68
		For Work In Restricted Working Space, Add	*26.82*	
23 21 13 23-1451	LF	8" Galvanized Schedule 40 Grooved Pipe	207.54	67.61
		For Work In Restricted Working Space, Add	*30.44*	
23 21 13 23-1452	LF	10" Galvanized Schedule 40 Grooved Pipe	287.79	80.74
		For Work In Restricted Working Space, Add	*36.33*	
23 21 13 23-1453	LF	12" Galvanized Schedule 40 Grooved Pipe	339.08	92.69
		For Work In Restricted Working Space, Add	*41.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1454		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1395)*		
23 21 13 23-1455	LF	3/4" Galvanized Schedule 80 Grooved Pipe	24.69	12.11
		For Work In Restricted Working Space, Add	*5.44*	
23 21 13 23-1456	LF	1" Galvanized Schedule 80 Grooved Pipe	31.24	12.83
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-1457	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	31.99	14.28
		For Work In Restricted Working Space, Add	*6.42*	
23 21 13 23-1458	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	41.32	17.01
		For Work In Restricted Working Space, Add	*7.68*	
23 21 13 23-1459	LF	2" Galvanized Schedule 80 Grooved Pipe	47.17	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-1460	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	66.50	28.40
		For Work In Restricted Working Space, Add	*12.76*	
23 21 13 23-1461	LF	3" Galvanized Schedule 80 Grooved Pipe	79.25	31.86
		For Work In Restricted Working Space, Add	*14.35*	
23 21 13 23-1462	LF	4" Galvanized Schedule 80 Grooved Pipe	98.00	34.74
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-1463	LF	5" Galvanized Schedule 80 Grooved Pipe	144.74	43.68
		For Work In Restricted Working Space, Add	*19.68*	
23 21 13 23-1464	LF	6" Galvanized Schedule 80 Grooved Pipe	189.54	62.57
		For Work In Restricted Working Space, Add	*28.16*	
23 21 13 23-1465	LF	8" Galvanized Schedule 80 Grooved Pipe	276.19	71.50
		For Work In Restricted Working Space, Add	*32.18*	
23 21 13 23-1466	LF	10" Galvanized Schedule 80 Grooved Pipe	329.10	86.35
		For Work In Restricted Working Space, Add	*38.84*	
23 21 13 23-1467	LF	12" Galvanized Schedule 80 Grooved Pipe	364.34	104.38
		For Work In Restricted Working Space, Add	*46.93*	
23 21 13 23-1468		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-1469		**Grooved Elbows** *(23 21 13 23-1468)*		
23 21 13 23-1470		**90 Degree Grooved Elbows** *(23 21 13 23-1469)*		
		Note: Victaulic No. 10		
23 21 13 23-1471	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	88.12	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1472	EA	1", Ductile Iron, Grooved 90 Degree Elbow	88.12	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1473	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	94.02	19.61
		For Work In Restricted Working Space, Add	*8.84*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1474	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	100.26	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1475	EA	2", Ductile Iron, Grooved 90 Degree Elbow	111.68	31.43
		For Work In Restricted Working Space, Add	*14.13*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1476	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	121.96	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1477	EA	3", Ductile Iron, Grooved 90 Degree Elbow	184.27	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*37.85*	
23 21 13 23-1478	EA	4", Ductile Iron, Grooved 90 Degree Elbow	216.77	61.27
		For Work In Restricted Working Space, Add	*27.55*	
		For Galvanized Fittings, Add	*41.23*	
23 21 13 23-1479	EA	5", Ductile Iron, Grooved 90 Degree Elbow	418.91	76.55
		For Work In Restricted Working Space, Add	*34.43*	
		For Galvanized Fittings, Add	*100.36*	
23 21 13 23-1480	EA	6", Ductile Iron, Grooved 90 Degree Elbow	503.62	100.19
		For Work In Restricted Working Space, Add	*45.05*	
		For Galvanized Fittings, Add	*116.64*	
23 21 13 23-1481	EA	8", Ductile Iron, Grooved 90 Degree Elbow	922.66	119.22
		For Work In Restricted Working Space, Add	*53.63*	
		For Galvanized Fittings, Add	*245.48*	
23 21 13 23-1482	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,367.55	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*382.46*	
23 21 13 23-1483	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,107.94	166.94
		For Work In Restricted Working Space, Add	*75.08*	
		For Galvanized Fittings, Add	*613.03*	
23 21 13 23-1484	EA	14", Steel, Grooved 90 Degree Elbow	4,145.83	188.42
		For Work In Restricted Working Space, Add	*84.77*	
		For Galvanized Fittings, Add	*1,274.88*	
23 21 13 23-1485	EA	16", Steel, Grooved 90 Degree Elbow	5,367.96	208.60
		For Work In Restricted Working Space, Add	*93.85*	
		For Galvanized Fittings, Add	*1,668.19*	
23 21 13 23-1486	EA	18", Steel, Grooved 90 Degree Elbow	6,753.04	227.92
		For Work In Restricted Working Space, Add	*102.50*	
		For Galvanized Fittings, Add	*2,115.76*	
23 21 13 23-1487	EA	20", Steel, Grooved 90 Degree Elbow	8,780.65	237.00
		For Work In Restricted Working Space, Add	*106.63*	
		For Galvanized Fittings, Add	*2,780.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1488	EA	24", Steel, Grooved 90 Degree Elbow	12,544.15	280.26
		For Work In Restricted Working Space, Add	*126.02*	
		For Galvanized Fittings, Add	*4,000.95*	

23 21 13 23-1489 45 Degree Grooved Elbows *(23 21 13 23-1469)*

Note: Victaulic No. 11

23 21 13 23-1490	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	88.08	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1491	EA	1", Ductile Iron, Grooved 45 Degree Elbow	88.08	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1492	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	93.98	19.61
		For Work In Restricted Working Space, Add	*8.84*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1493	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	100.22	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1494	EA	2", Ductile Iron, Grooved 45 Degree Elbow	111.64	31.43
		For Work In Restricted Working Space, Add	*14.13*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1495	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	121.92	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1496	EA	3", Ductile Iron, Grooved 45 Degree Elbow	184.23	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*27.52*	
23 21 13 23-1497	EA	4", Ductile Iron, Grooved 45 Degree Elbow	216.77	61.27
		For Work In Restricted Working Space, Add	*27.55*	
		For Galvanized Fittings, Add	*29.99*	
23 21 13 23-1498	EA	5", Ductile Iron, Grooved 45 Degree Elbow	418.91	76.55
		For Work In Restricted Working Space, Add	*34.43*	
		For Galvanized Fittings, Add	*72.99*	
23 21 13 23-1499	EA	6", Ductile Iron, Grooved 45 Degree Elbow	503.62	100.19
		For Work In Restricted Working Space, Add	*45.05*	
		For Galvanized Fittings, Add	*84.83*	
23 21 13 23-1500	EA	8", Ductile Iron, Grooved 45 Degree Elbow	922.66	119.22
		For Work In Restricted Working Space, Add	*53.63*	
		For Galvanized Fittings, Add	*178.53*	
23 21 13 23-1501	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,367.55	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*278.16*	
23 21 13 23-1502	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,107.94	166.94
		For Work In Restricted Working Space, Add	*75.08*	
		For Galvanized Fittings, Add	*445.84*	
23 21 13 23-1503	EA	14", Steel, Grooved 45 Degree Elbow	4,145.83	188.42
		For Work In Restricted Working Space, Add	*84.77*	
		For Galvanized Fittings, Add	*927.18*	
23 21 13 23-1504	EA	16", Steel, Grooved 45 Degree Elbow	5,367.96	208.60
		For Work In Restricted Working Space, Add	*93.85*	
		For Galvanized Fittings, Add	*1,213.23*	
23 21 13 23-1505	EA	18", Steel, Grooved 45 Degree Elbow	6,753.04	227.92
		For Work In Restricted Working Space, Add	*102.50*	
		For Galvanized Fittings, Add	*1,538.73*	
23 21 13 23-1506	EA	20", Steel, Grooved 45 Degree Elbow	8,781.28	237.44
		For Work In Restricted Working Space, Add	*106.82*	
		For Galvanized Fittings, Add	*2,022.05*	
23 21 13 23-1507	EA	24", Steel, Grooved 45 Degree Elbow	12,544.15	280.26
		For Work In Restricted Working Space, Add	*126.02*	
		For Galvanized Fittings, Add	*2,909.78*	

23 21 13 23-1508 22-1/2 Degree Grooved Elbows *(23 21 13 23-1469)*

Note: Victaulic No. 12

23 21 13 23-1509	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	92.32	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1510	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	98.22	19.61
		For Work In Restricted Working Space, Add	*8.84*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1511	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	104.46	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1512	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	115.88	31.43
		For Work In Restricted Working Space, Add	*14.13*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1513	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	126.16	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1514	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	170.15	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*24.14*	
23 21 13 23-1515	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	226.71	61.27
		For Work In Restricted Working Space, Add	*27.55*	
		For Galvanized Fittings, Add	*32.37*	
23 21 13 23-1516	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	533.06	76.55
		For Work In Restricted Working Space, Add	*34.43*	
		For Galvanized Fittings, Add	*100.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1517	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	532.28	100.19
		For Work In Restricted Working Space, Add	*45.05*	
		For Galvanized Fittings, Add	*91.71*	
23 21 13 23-1518	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	978.27	119.22
		For Work In Restricted Working Space, Add	*53.63*	
		For Galvanized Fittings, Add	*191.88*	
23 21 13 23-1519	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,306.18	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*263.43*	
23 21 13 23-1520	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,734.15	166.94
		For Work In Restricted Working Space, Add	*75.08*	
		For Galvanized Fittings, Add	*356.13*	
23 21 13 23-1521	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,996.47	188.42
		For Work In Restricted Working Space, Add	*84.77*	
		For Galvanized Fittings, Add	*411.34*	
23 21 13 23-1522	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,368.43	208.60
		For Work In Restricted Working Space, Add	*93.85*	
		For Galvanized Fittings, Add	*493.34*	
23 21 13 23-1523	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,831.14	227.92
		For Work In Restricted Working Space, Add	*102.50*	
		For Galvanized Fittings, Add	*597.48*	
23 21 13 23-1524	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,298.67	237.00
		For Work In Restricted Working Space, Add	*106.63*	
		For Galvanized Fittings, Add	*706.38*	
23 21 13 23-1525	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,375.13	280.26
		For Work In Restricted Working Space, Add	*126.02*	
		For Galvanized Fittings, Add	*949.22*	

23 21 13 23-1526 11-1/4 Degree Grooved Elbows *(23 21 13 23-1469)*

Note: Victaulic No. 13

23 21 13 23-1527	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	92.33	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1528	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	98.23	19.61
		For Work In Restricted Working Space, Add	*8.84*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1529	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	104.47	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1530	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	115.89	31.43
		For Work In Restricted Working Space, Add	*14.13*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1531	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	126.17	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1532	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	170.14	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*24.14*	
23 21 13 23-1533	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	226.70	61.27
		For Work In Restricted Working Space, Add	*27.55*	
		For Galvanized Fittings, Add	*32.37*	
23 21 13 23-1534	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	533.03	76.55
		For Work In Restricted Working Space, Add	*34.43*	
		For Galvanized Fittings, Add	*100.38*	
23 21 13 23-1535	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	532.26	100.19
		For Work In Restricted Working Space, Add	*45.05*	
		For Galvanized Fittings, Add	*91.70*	
23 21 13 23-1536	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	978.22	119.22
		For Work In Restricted Working Space, Add	*53.63*	
		For Galvanized Fittings, Add	*191.87*	
23 21 13 23-1537	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,306.12	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*263.41*	
23 21 13 23-1538	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,734.07	166.94
		For Work In Restricted Working Space, Add	*75.08*	
		For Galvanized Fittings, Add	*356.11*	
23 21 13 23-1539	EA	14", Steel, Grooved 11-1/4 Degree Elbow	1,996.39	188.42
		For Work In Restricted Working Space, Add	*84.77*	
		For Galvanized Fittings, Add	*411.31*	
23 21 13 23-1540	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,368.37	208.75
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*493.32*	
23 21 13 23-1541	EA	18", Steel, Grooved 11-1/4 Degree Elbow	2,830.96	227.92
		For Work In Restricted Working Space, Add	*102.48*	
		For Galvanized Fittings, Add	*597.44*	
23 21 13 23-1542	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,298.51	237.00
		For Work In Restricted Working Space, Add	*106.63*	
		For Galvanized Fittings, Add	*706.34*	
23 21 13 23-1543	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,374.92	280.26
		For Work In Restricted Working Space, Add	*126.02*	
		For Galvanized Fittings, Add	*949.17*	

23 21 13 23-1544 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1469)*

Note: Victaulic No. 100

23 21 13 23-1545	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	194.73	31.43
		For Work In Restricted Working Space, Add	*14.13*	
		For Galvanized Fittings, Add	*35.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1546	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	485.73	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*102.80*	
23 21 13 23-1547	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	217.18	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*35.43*	
23 21 13 23-1548	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	312.97	61.27
		For Work In Restricted Working Space, Add	*27.55*	
		For Galvanized Fittings, Add	*53.07*	
23 21 13 23-1549	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,248.24	76.55
		For Work In Restricted Working Space, Add	*34.43*	
		For Galvanized Fittings, Add	*272.03*	
23 21 13 23-1550	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	797.08	100.19
		For Work In Restricted Working Space, Add	*45.05*	
		For Galvanized Fittings, Add	*155.26*	
23 21 13 23-1551	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,730.49	119.22
		For Work In Restricted Working Space, Add	*53.63*	
		For Galvanized Fittings, Add	*372.41*	
23 21 13 23-1552	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,425.94	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*772.17*	
23 21 13 23-1553	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,086.99	166.94
		For Work In Restricted Working Space, Add	*75.08*	
		For Galvanized Fittings, Add	*920.81*	

23 21 13 23-1554 Grooved Tees, Wyes And Crosses *(23 21 13 23-1468)*

23 21 13 23-1555 Grooved Tees *(23 21 13 23-1554)*

Note: Victaulic No. 20

23 21 13 23-1556	EA	3/4", Ductile Iron, Grooved Tee	129.66	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1557	EA	1", Ductile Iron, Grooved Tee	134.36	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1558	EA	1-1/4", Ductile Iron, Grooved Tee	142.29	29.12
		For Work In Restricted Working Space, Add	*13.09*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1559	EA	1-1/2", Ductile Iron, Grooved Tee	152.20	35.75
		For Work In Restricted Working Space, Add	*16.06*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1560	EA	2", Ductile Iron, Grooved Tee	167.95	46.28
		For Work In Restricted Working Space, Add	*20.78*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1561	EA	2-1/2", Ductile Iron, Grooved Tee	183.69	56.66
		For Work In Restricted Working Space, Add	*25.51*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1562	EA	3", Ductile Iron, Grooved Tee	242.57	69.64
		For Work In Restricted Working Space, Add	*31.31*	
		For Galvanized Fittings, Add	*41.47*	
23 21 13 23-1563	EA	4", Ductile Iron, Grooved Tee	347.06	90.10
		For Work In Restricted Working Space, Add	*40.51*	
		For Galvanized Fittings, Add	*63.61*	
23 21 13 23-1564	EA	5", Ductile Iron, Grooved Tee	674.01	117.78
		For Work In Restricted Working Space, Add	*52.97*	
		For Galvanized Fittings, Add	*149.23*	
23 21 13 23-1565	EA	6", Ductile Iron, Grooved Tee	795.72	147.34
		For Work In Restricted Working Space, Add	*66.25*	
		For Galvanized Fittings, Add	*172.47*	
23 21 13 23-1566	EA	8", Ductile Iron, Grooved Tee	1,523.95	178.90
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*376.74*	
23 21 13 23-1567	EA	10", Ductile Iron, Grooved Tee	2,555.34	208.60
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*672.75*	
23 21 13 23-1568	EA	12", Ductile Iron, Grooved Tee	3,514.92	250.41
		For Work In Restricted Working Space, Add	*112.63*	
		For Galvanized Fittings, Add	*941.85*	
23 21 13 23-1569	EA	14", Steel, Grooved Tee	3,842.03	278.23
		For Work In Restricted Working Space, Add	*125.14*	
		For Galvanized Fittings, Add	*1,027.47*	
23 21 13 23-1570	EA	16", Steel, Grooved Tee	4,782.18	279.82
		For Work In Restricted Working Space, Add	*125.86*	
		For Galvanized Fittings, Add	*1,308.80*	
23 21 13 23-1571	EA	18", Steel, Grooved Tee	5,926.24	308.66
		For Work In Restricted Working Space, Add	*138.82*	
		For Galvanized Fittings, Add	*1,639.06*	
23 21 13 23-1572	EA	20", Steel, Grooved Tee	8,298.35	313.56
		For Work In Restricted Working Space, Add	*141.01*	
		For Galvanized Fittings, Add	*2,348.50*	
23 21 13 23-1573	EA	24", Steel, Grooved Tee	12,605.48	385.20
		For Work In Restricted Working Space, Add	*173.27*	
		For Galvanized Fittings, Add	*3,608.37*	

23 21 13 23-1574 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1554)*

Note: Victaulic No. 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1575	EA	1", Steel, Grooved Wye	452.01	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1576	EA	1-1/4", Steel, Grooved Wye	459.94	29.12
		For Work In Restricted Working Space, Add	*13.09*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1577	EA	1-1/2", Steel, Grooved Wye	469.85	35.75
		For Work In Restricted Working Space, Add	*16.06*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1578	EA	2", Steel, Grooved Wye	485.60	46.28
		For Work In Restricted Working Space, Add	*20.78*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1579	EA	2-1/2", Steel, Grooved Wye	501.34	56.66
		For Work In Restricted Working Space, Add	*25.51*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1580	EA	3", Steel, Grooved Wye	601.99	69.64
		For Work In Restricted Working Space, Add	*31.31*	
		For Galvanized Fittings, Add	*79.62*	
23 21 13 23-1581	EA	4", Steel, Grooved Wye	786.86	90.10
		For Work In Restricted Working Space, Add	*40.51*	
		For Galvanized Fittings, Add	*104.29*	
23 21 13 23-1582	EA	5", Steel, Grooved Wye	1,110.87	117.78
		For Work In Restricted Working Space, Add	*52.97*	
		For Galvanized Fittings, Add	*149.49*	
23 21 13 23-1583	EA	6", Steel, Grooved Wye	1,376.81	147.34
		For Work In Restricted Working Space, Add	*66.25*	
		For Galvanized Fittings, Add	*184.96*	
23 21 13 23-1584	EA	8", Steel, Grooved Wye	1,933.09	178.90
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*266.39*	
23 21 13 23-1585	EA	10", Steel, Grooved Wye	3,186.50	208.60
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*459.78*	
23 21 13 23-1586	EA	12", Steel, Grooved Wye	3,550.14	250.41
		For Work In Restricted Working Space, Add	*112.63*	
		For Galvanized Fittings, Add	*507.95*	
23 21 13 23-1587	EA	14", Steel, Grooved Wye	4,042.31	278.23
		For Work In Restricted Working Space, Add	*125.14*	
		For Galvanized Fittings, Add	*580.03*	
23 21 13 23-1588	EA	16", Steel, Grooved Wye	5,127.70	279.53
		For Work In Restricted Working Space, Add	*125.72*	
		For Galvanized Fittings, Add	*753.38*	
23 21 13 23-1589	EA	18", Steel, Grooved Wye	5,849.36	308.94
		For Work In Restricted Working Space, Add	*138.98*	
		For Galvanized Fittings, Add	*861.78*	
23 21 13 23-1590	EA	20", Steel, Grooved Wye	8,280.98	312.98
		For Work In Restricted Working Space, Add	*140.78*	
		For Galvanized Fittings, Add	*1,249.87*	
23 21 13 23-1591	EA	24", Steel, Grooved Wye	12,722.57	385.20
		For Work In Restricted Working Space, Add	*173.27*	
		For Galvanized Fittings, Add	*1,943.20*	

23 21 13 23-1592 Grooved Crosses *(23 21 13 23-1554)*

Note: Victaulic No. 35

23 21 13 23-1593	EA	3/4", Steel, Grooved Cross	316.02	30.99
		For Work In Restricted Working Space, Add	*13.95*	
		For Galvanized Fittings, Add	*40.43*	
23 21 13 23-1594	EA	1", Steel, Grooved Cross	323.06	35.75
		For Work In Restricted Working Space, Add	*16.06*	
		For Galvanized Fittings, Add	*40.43*	
23 21 13 23-1595	EA	1-1/4", Steel, Grooved Cross	390.74	43.68
		For Work In Restricted Working Space, Add	*19.63*	
		For Galvanized Fittings, Add	*48.80*	
23 21 13 23-1596	EA	1-1/2", Steel, Grooved Cross	430.83	53.63
		For Work In Restricted Working Space, Add	*24.09*	
		For Galvanized Fittings, Add	*52.58*	
23 21 13 23-1597	EA	2", Steel, Grooved Cross	302.02	69.34
		For Work In Restricted Working Space, Add	*31.18*	
		For Galvanized Fittings, Add	*29.72*	
23 21 13 23-1598	EA	2-1/2", Steel, Grooved Cross	325.64	85.06
		For Work In Restricted Working Space, Add	*38.26*	
		For Galvanized Fittings, Add	*29.72*	
23 21 13 23-1599	EA	3", Steel, Grooved Cross	512.48	104.38
		For Work In Restricted Working Space, Add	*46.95*	
		For Galvanized Fittings, Add	*53.40*	
23 21 13 23-1600	EA	4", Steel, Grooved Cross	795.11	135.08
		For Work In Restricted Working Space, Add	*60.77*	
		For Galvanized Fittings, Add	*88.88*	
23 21 13 23-1601	EA	5", Steel, Grooved Cross	1,475.43	176.60
		For Work In Restricted Working Space, Add	*79.46*	
		For Galvanized Fittings, Add	*181.58*	
23 21 13 23-1602	EA	6", Steel, Grooved Cross	1,888.77	221.00
		For Work In Restricted Working Space, Add	*99.38*	
		For Galvanized Fittings, Add	*233.63*	
23 21 13 23-1603	EA	8", Steel, Grooved Cross	2,453.48	268.29
		For Work In Restricted Working Space, Add	*120.67*	
		For Galvanized Fittings, Add	*307.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1604	EA	10", Steel, Grooved Cross	3,967.78	312.98
		For Work In Restricted Working Space, Add	*140.78*	
		For Galvanized Fittings, Add	*524.78*	
23 21 13 23-1605	EA	12", Steel, Grooved Cross	5,611.75	375.69
		For Work In Restricted Working Space, Add	*168.94*	
		For Galvanized Fittings, Add	*757.29*	
23 21 13 23-1606	EA	14", Steel, Grooved Cross	5,856.34	417.35
		For Work In Restricted Working Space, Add	*187.71*	
		For Galvanized Fittings, Add	*784.59*	
23 21 13 23-1607	EA	16", Steel, Grooved Cross	7,471.82	419.80
		For Work In Restricted Working Space, Add	*188.79*	
		For Galvanized Fittings, Add	*1,026.38*	
23 21 13 23-1608	EA	18", Steel, Grooved Cross	9,081.33	462.91
		For Work In Restricted Working Space, Add	*208.21*	
		For Galvanized Fittings, Add	*1,258.10*	
23 21 13 23-1609	EA	20", Steel, Grooved Cross	12,587.31	470.12
		For Work In Restricted Working Space, Add	*211.46*	
		For Galvanized Fittings, Add	*1,782.36*	
23 21 13 23-1610	EA	24", Steel, Grooved Cross	19,210.22	577.80
		For Work In Restricted Working Space, Add	*259.91*	
		For Galvanized Fittings, Add	*2,751.58*	

23 21 13 23-1611 Grooved Reducing Tees *(23 21 13 23-1554)*

Note: Victaulic No. 25

23 21 13 23-1612	EA	1", Steel, Grooved Reducing Tee	226.07	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*38.08*	
23 21 13 23-1613	EA	1-1/4", Steel, Grooved Reducing Tee	239.98	29.12
		For Work In Restricted Working Space, Add	*13.09*	
		For Galvanized Fittings, Add	*39.27*	
23 21 13 23-1614	EA	1-1/2", Steel, Grooved Reducing Tee	254.78	35.75
		For Work In Restricted Working Space, Add	*16.06*	
		For Galvanized Fittings, Add	*40.25*	
23 21 13 23-1615	EA	2", Steel, Grooved Reducing Tee	304.89	46.28
		For Work In Restricted Working Space, Add	*20.78*	
		For Galvanized Fittings, Add	*47.12*	
23 21 13 23-1616	EA	2-1/2", Steel, Grooved Reducing Tee	344.88	56.66
		For Work In Restricted Working Space, Add	*25.51*	
		For Galvanized Fittings, Add	*51.97*	
23 21 13 23-1617	EA	3", Steel, Grooved Reducing Tee	388.78	69.64
		For Work In Restricted Working Space, Add	*31.31*	
		For Galvanized Fittings, Add	*56.89*	
23 21 13 23-1618	EA	4", Steel, Grooved Reducing Tee	518.63	90.10
		For Work In Restricted Working Space, Add	*40.51*	
		For Galvanized Fittings, Add	*76.72*	
23 21 13 23-1619	EA	5", Steel, Grooved Reducing Tee	683.08	117.78
		For Work In Restricted Working Space, Add	*52.97*	
		For Galvanized Fittings, Add	*101.30*	
23 21 13 23-1620	EA	6", Steel, Grooved Reducing Tee	933.35	147.34
		For Work In Restricted Working Space, Add	*66.25*	
		For Galvanized Fittings, Add	*142.50*	
23 21 13 23-1621	EA	8", Steel, Grooved Reducing Tee	1,443.82	178.90
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*235.13*	
23 21 13 23-1622	EA	10", Steel, Grooved Reducing Tee	2,046.02	208.60
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*346.63*	
23 21 13 23-1623	EA	12", Steel, Grooved Reducing Tee	2,932.14	250.41
		For Work In Restricted Working Space, Add	*112.63*	
		For Galvanized Fittings, Add	*511.34*	
23 21 13 23-1624	EA	14", Steel, Grooved Reducing Tee	3,321.02	278.23
		For Work In Restricted Working Space, Add	*125.14*	
		For Galvanized Fittings, Add	*580.78*	
23 21 13 23-1625	EA	16", Steel, Grooved Reducing Tee	4,191.63	279.82
		For Work In Restricted Working Space, Add	*125.87*	
		For Galvanized Fittings, Add	*754.41*	
23 21 13 23-1626	EA	18", Steel, Grooved Reducing Tee	5,080.61	308.66
		For Work In Restricted Working Space, Add	*138.80*	
		For Galvanized Fittings, Add	*923.59*	
23 21 13 23-1627	EA	20", Steel, Grooved Reducing Tee	7,074.40	313.41
		For Work In Restricted Working Space, Add	*140.97*	
		For Galvanized Fittings, Add	*1,320.90*	
23 21 13 23-1628	EA	24", Steel, Grooved Reducing Tee	11,216.06	385.20
		For Work In Restricted Working Space, Add	*173.27*	
		For Galvanized Fittings, Add	*2,127.70*	

23 21 13 23-1629 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1554)*

Note: Victaulic No. 30

23 21 13 23-1630	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	425.24	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1631	EA	1", Steel, Grooved, 45 Degree Lateral Wye	429.94	23.78
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1632	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	437.87	29.12
		For Work In Restricted Working Space, Add	*13.09*	
		For Galvanized Fittings, Add	*70.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1633	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	447.78	35.75
		For Work In Restricted Working Space, Add	*16.06*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1634	EA	2", Steel, Grooved, 45 Degree Lateral Wye	463.53	46.28
		For Work In Restricted Working Space, Add	*20.78*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1635	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	479.27	56.66
		For Work In Restricted Working Space, Add	*25.51*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1636	EA	3", Steel, Grooved, 45 Degree Lateral Wye	444.95	69.64
		For Work In Restricted Working Space, Add	*31.31*	
		For Galvanized Fittings, Add	*61.31*	
23 21 13 23-1637	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	697.35	80.30
		For Work In Restricted Working Space, Add	*36.09*	
		For Galvanized Fittings, Add	*103.87*	
23 21 13 23-1638	EA	4", Steel, Grooved, 45 Degree Lateral Wye	806.75	90.10
		For Work In Restricted Working Space, Add	*40.51*	
		For Galvanized Fittings, Add	*120.91*	
23 21 13 23-1639	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,158.26	117.78
		For Work In Restricted Working Space, Add	*52.97*	
		For Galvanized Fittings, Add	*176.70*	
23 21 13 23-1640	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,802.49	147.34
		For Work In Restricted Working Space, Add	*66.25*	
		For Galvanized Fittings, Add	*284.70*	
23 21 13 23-1641	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,546.34	178.90
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*410.07*	
23 21 13 23-1642	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,528.44	208.60
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*578.81*	
23 21 13 23-1643	EA	12", Steel, Grooved, 45 Degree Lateral Wye	4,263.23	250.41
		For Work In Restricted Working Space, Add	*112.63*	
		For Galvanized Fittings, Add	*699.80*	
23 21 13 23-1644	EA	14", Steel, Grooved, 45 Degree Lateral Wye	6,091.63	278.23
		For Work In Restricted Working Space, Add	*125.14*	
		For Galvanized Fittings, Add	*1,021.41*	
23 21 13 23-1645	EA	16", Steel, Grooved, 45 Degree Lateral Wye	7,508.53	279.82
		For Work In Restricted Working Space, Add	*125.87*	
		For Galvanized Fittings, Add	*1,276.01*	
23 21 13 23-1646	EA	18", Steel, Grooved, 45 Degree Lateral Wye	8,387.26	308.66
		For Work In Restricted Working Space, Add	*138.80*	
		For Galvanized Fittings, Add	*1,426.43*	
23 21 13 23-1647	EA	20", Steel, Grooved, 45 Degree Lateral Wye	12,490.20	313.41
		For Work In Restricted Working Space, Add	*140.97*	
		For Galvanized Fittings, Add	*2,163.65*	
23 21 13 23-1648	EA	24", Steel, Grooved, 45 Degree Lateral Wye	19,256.22	385.20
		For Work In Restricted Working Space, Add	*173.27*	
		For Galvanized Fittings, Add	*3,362.16*	

23 21 13 23-1649 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1554)*

Note: Victaulic No. 30R

23 21 13 23-1650	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	444.95	69.64
		For Work In Restricted Working Space, Add	*31.31*	
		For Galvanized Fittings, Add	*44.28*	
23 21 13 23-1651	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	806.75	90.10
		For Work In Restricted Working Space, Add	*40.51*	
		For Galvanized Fittings, Add	*87.32*	
23 21 13 23-1652	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,158.26	117.78
		For Work In Restricted Working Space, Add	*52.97*	
		For Galvanized Fittings, Add	*127.62*	
23 21 13 23-1653	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,489.16	147.34
		For Work In Restricted Working Space, Add	*66.25*	
		For Galvanized Fittings, Add	*164.88*	
23 21 13 23-1654	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,099.12	178.90
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*238.02*	
23 21 13 23-1655	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,555.26	208.60
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*291.51*	
23 21 13 23-1656	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,100.51	250.41
		For Work In Restricted Working Space, Add	*112.63*	
		For Galvanized Fittings, Add	*354.26*	
23 21 13 23-1657	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,469.91	278.23
		For Work In Restricted Working Space, Add	*125.14*	
		For Galvanized Fittings, Add	*396.86*	
23 21 13 23-1658	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,365.55	279.82
		For Work In Restricted Working Space, Add	*125.87*	
		For Galvanized Fittings, Add	*512.98*	
23 21 13 23-1659	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	6,521.72	308.66
		For Work In Restricted Working Space, Add	*138.80*	
		For Galvanized Fittings, Add	*787.68*	
23 21 13 23-1660	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	9,338.78	313.41
		For Work In Restricted Working Space, Add	*140.97*	
		For Galvanized Fittings, Add	*1,152.95*	
23 21 13 23-1661	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	14,936.62	385.20
		For Work In Restricted Working Space, Add	*173.27*	
		For Galvanized Fittings, Add	*1,866.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1662		**Mechanical-T Outlet** *(23 21 13 23-1554)* Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1663	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	169.36	51.90
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*16.26*	
23 21 13 23-1664	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	169.36	51.90
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*16.26*	
23 21 13 23-1665	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	179.59	51.90
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1666	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	179.59	51.90
		For Work In Restricted Working Space, Add	*31.14*	
23 21 13 23-1667	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	182.34	58.38
		For Work In Restricted Working Space, Add	*35.03*	
23 21 13 23-1668	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	182.34	58.38
		For Work In Restricted Working Space, Add	*35.03*	
23 21 13 23-1669	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	209.36	58.38
		For Work In Restricted Working Space, Add	*35.03*	
23 21 13 23-1670	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	205.24	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-1671	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	205.24	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-1672	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	227.00	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-1673	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	227.00	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-1674	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	241.90	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-1675	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	269.25	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1676	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	269.25	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1677	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	286.24	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1678	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	291.01	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1679	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	291.01	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1680	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	295.78	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1681	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	304.92	86.50
		For Work In Restricted Working Space, Add	*51.90*	
23 21 13 23-1682	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	382.81	118.94
		For Work In Restricted Working Space, Add	*71.36*	
23 21 13 23-1683	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	382.81	118.94
		For Work In Restricted Working Space, Add	*71.36*	
23 21 13 23-1684	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	391.06	118.94
		For Work In Restricted Working Space, Add	*71.36*	
23 21 13 23-1685	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	401.39	118.94
		For Work In Restricted Working Space, Add	*71.36*	
23 21 13 23-1686	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	451.06	151.37
		For Work In Restricted Working Space, Add	*90.82*	
23 21 13 23-1687	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	451.06	151.37
		For Work In Restricted Working Space, Add	*90.82*	
23 21 13 23-1688	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	463.18	151.37
		For Work In Restricted Working Space, Add	*90.82*	
23 21 13 23-1689	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	473.41	151.37
		For Work In Restricted Working Space, Add	*90.82*	
23 21 13 23-1690	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	491.59	151.37
		For Work In Restricted Working Space, Add	*90.82*	
23 21 13 23-1691	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	663.23	200.39
		For Work In Restricted Working Space, Add	*120.23*	
23 21 13 23-1692	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	663.23	200.39
		For Work In Restricted Working Space, Add	*120.23*	
23 21 13 23-1693	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	677.83	200.39
		For Work In Restricted Working Space, Add	*120.23*	
23 21 13 23-1694	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	686.48	200.39
		For Work In Restricted Working Space, Add	*120.23*	
23 21 13 23-1695		**Installation-Ready™ Grooved Fittings** *(23 21 13 23-1468)*		
23 21 13 23-1696		**Installation-Ready™ 90 Degree Grooved Elbows** *(23 21 13 23-1695)* Note: Victaulic No. 101		
23 21 13 23-1697	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	276.56	14.28
		For Work In Restricted Working Space, Add	*6.49*	
		For Galvanized Fittings, Add	*84.13*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1698	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	288.38	17.13
		For Work In Restricted Working Space, Add	*7.79*	
		For Galvanized Fittings, Add	*86.60*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1699	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	298.91	22.84
		For Work In Restricted Working Space, Add	*10.38*	
		For Galvanized Fittings, Add	*87.22*	
		For Galvanized Fittings, Add	*67.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1700	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	361.92	28.54
		For Work In Restricted Working Space, Add	*12.98*	
		For Galvanized Fittings, Add	*105.16*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1701 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1695)*

Note: Victaulic No. 103

23 21 13 23-1702	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	276.56	14.28
		For Work In Restricted Working Space, Add	*6.49*	
		For Galvanized Fittings, Add	*61.18*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1703	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	288.38	17.13
		For Work In Restricted Working Space, Add	*7.79*	
		For Galvanized Fittings, Add	*62.98*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1704	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	298.91	22.84
		For Work In Restricted Working Space, Add	*10.38*	
		For Galvanized Fittings, Add	*63.43*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1705	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	361.92	28.54
		For Work In Restricted Working Space, Add	*12.98*	
		For Galvanized Fittings, Add	*76.48*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1706 Installation-Ready™ Grooved Tees *(23 21 13 23-1695)*

Note: Victaulic No. 102

23 21 13 23-1707	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	422.48	19.03
		For Work In Restricted Working Space, Add	*8.65*	
		For Galvanized Fittings, Add	*118.10*	
		For Galvanized Fittings, Add	*100.77*	
23 21 13 23-1708	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	441.37	22.84
		For Work In Restricted Working Space, Add	*10.38*	
		For Galvanized Fittings, Add	*122.03*	
		For Galvanized Fittings, Add	*104.13*	
23 21 13 23-1709	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	458.52	30.45
		For Work In Restricted Working Space, Add	*13.84*	
		For Galvanized Fittings, Add	*123.72*	
		For Galvanized Fittings, Add	*105.57*	
23 21 13 23-1710	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	533.80	38.06
		For Work In Restricted Working Space, Add	*17.30*	
		For Galvanized Fittings, Add	*142.84*	
		For Galvanized Fittings, Add	*121.89*	

23 21 13 23-1711 Grooved Fittings *(23 21 13 23-1468)*

23 21 13 23-1712 Flanged Adapter Nipple, Grooved *(23 21 13 23-1711)*

Note: Victaulic No. 41 and 45

23 21 13 23-1713	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	303.41	17.30
		For Work In Restricted Working Space, Add	*7.79*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1714	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	306.29	19.18
		For Work In Restricted Working Space, Add	*8.65*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1715	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	313.50	24.08
		For Work In Restricted Working Space, Add	*10.81*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1716	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	328.67	34.17
		For Work In Restricted Working Space, Add	*15.36*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1717	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	339.50	41.38
		For Work In Restricted Working Space, Add	*18.61*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1718	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	429.08	49.45
		For Work In Restricted Working Space, Add	*22.22*	
		For Galvanized Fittings, Add	*63.91*	
		For 300 Lb. Rating, Add	*53.25*	
23 21 13 23-1719	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	523.21	66.60
		For Work In Restricted Working Space, Add	*29.94*	
		For Galvanized Fittings, Add	*76.21*	
		For 300 Lb. Rating, Add	*63.51*	
23 21 13 23-1720	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	725.84	80.58
		For Work In Restricted Working Space, Add	*36.25*	
		For Galvanized Fittings, Add	*108.90*	
		For 300 Lb. Rating, Add	*90.75*	
23 21 13 23-1721	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	853.52	108.84
		For Work In Restricted Working Space, Add	*48.97*	
		For Galvanized Fittings, Add	*124.25*	
		For 300 Lb. Rating, Add	*103.54*	
23 21 13 23-1722	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,173.66	147.34
		For Work In Restricted Working Space, Add	*66.25*	
		For Galvanized Fittings, Add	*171.51*	
		For 300 Lb. Rating, Add	*142.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1723	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,823.04	178.90
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*279.88*	
		For 300 Lb. Rating, Add	*233.23*	
23 21 13 23-1724	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,438.86	208.60
		For Work In Restricted Working Space, Add	*93.86*	
		For Galvanized Fittings, Add	*382.68*	
		For 300 Lb. Rating, Add	*318.90*	
23 21 13 23-1725	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,882.57	250.41
		For Work In Restricted Working Space, Add	*112.63*	
		For Galvanized Fittings, Add	*451.29*	
		For 300 Lb. Rating, Add	*376.07*	
23 21 13 23-1726	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,278.18	278.23
		For Work In Restricted Working Space, Add	*125.14*	
		For Galvanized Fittings, Add	*694.99*	
		For 300 Lb. Rating, Add	*579.16*	
23 21 13 23-1727	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,160.82	417.35
		For Work In Restricted Working Space, Add	*187.71*	
		For Galvanized Fittings, Add	*816.32*	
		For 300 Lb. Rating, Add	*680.27*	
23 21 13 23-1728	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,477.91	500.82
		For Work In Restricted Working Space, Add	*225.26*	
		For Galvanized Fittings, Add	*850.87*	
		For 300 Lb. Rating, Add	*709.06*	
23 21 13 23-1729	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	8,989.03	556.47
		For Work In Restricted Working Space, Add	*250.28*	
		For Galvanized Fittings, Add	*1,467.86*	
		For 300 Lb. Rating, Add	*1,223.21*	

23 21 13 23-1730 Grooved Concentric Reducers *(23 21 13 23-1711)*

Note: Victaulic No. 50

23 21 13 23-1731	EA	1-1/4" x 3/4", Grooved Concentric Reducer	321.89	17.30
		For Work In Restricted Working Space, Add	*7.79*	
		For Galvanized Fittings, Add	*13.02*	
23 21 13 23-1732	EA	1-1/4" x 1", Grooved Concentric Reducer	336.67	18.31
		For Work In Restricted Working Space, Add	*8.22*	
		For Galvanized Fittings, Add	*13.61*	
23 21 13 23-1733	EA	1-1/2" x 3/4", Grooved Concentric Reducer	378.85	19.75
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*41.99*	
23 21 13 23-1734	EA	1-1/2" x 1", Grooved Concentric Reducer	105.79	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1735	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	321.94	21.63
		For Work In Restricted Working Space, Add	*9.73*	
		For Galvanized Fittings, Add	*34.80*	
23 21 13 23-1736	EA	2" x 3/4", Grooved Concentric Reducer	110.12	23.50
		For Work In Restricted Working Space, Add	*10.60*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1737	EA	2" x 1", Grooved Concentric Reducer	111.56	24.51
		For Work In Restricted Working Space, Add	*11.03*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1738	EA	2" x 1-1/4", Grooved Concentric Reducer	120.51	25.52
		For Work In Restricted Working Space, Add	*11.46*	
		For Galvanized Fittings, Add	*9.89*	
23 21 13 23-1739	EA	2" x 1-1/2", Grooved Concentric Reducer	117.41	28.40
		For Work In Restricted Working Space, Add	*12.78*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1740	EA	2-1/2" x 3/4", Grooved Concentric Reducer	648.54	26.53
		For Work In Restricted Working Space, Add	*11.93*	
		For Galvanized Fittings, Add	*73.17*	
23 21 13 23-1741	EA	2-1/2" x 1", Grooved Concentric Reducer	518.74	27.53
		For Work In Restricted Working Space, Add	*12.36*	
		For Galvanized Fittings, Add	*57.40*	
23 21 13 23-1742	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	474.91	28.40
		For Work In Restricted Working Space, Add	*12.78*	
		For Galvanized Fittings, Add	*51.96*	
23 21 13 23-1743	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	121.65	31.28
		For Work In Restricted Working Space, Add	*14.06*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1744	EA	2-1/2" x 2", Grooved Concentric Reducer	127.42	35.03
		For Work In Restricted Working Space, Add	*15.79*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1745	EA	3" x 3/4", Grooved Concentric Reducer	658.92	30.85
		For Work In Restricted Working Space, Add	*13.86*	
		For Galvanized Fittings, Add	*93.13*	
23 21 13 23-1746	EA	3" x 1", Grooved Concentric Reducer	130.12	31.72
		For Work In Restricted Working Space, Add	*14.25*	
		For Galvanized Fittings, Add	*12.56*	
23 21 13 23-1747	EA	3" x 1-1/4", Grooved Concentric Reducer	523.56	32.73
		For Work In Restricted Working Space, Add	*14.69*	
		For Galvanized Fittings, Add	*72.14*	
23 21 13 23-1748	EA	3" x 1-1/2", Grooved Concentric Reducer	493.61	35.03
		For Work In Restricted Working Space, Add	*15.79*	
		For Galvanized Fittings, Add	*67.03*	
23 21 13 23-1749	EA	3" x 2", Grooved Concentric Reducer	123.99	38.93
		For Work In Restricted Working Space, Add	*17.51*	
		For Galvanized Fittings, Add	*9.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1750	EA	3" x 2-1/2", Grooved Concentric Reducer	159.97	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*13.74*	
23 21 13 23-1751	EA	3-1/2" x 3", Grooved Concentric Reducer	171.30	50.03
		For Work In Restricted Working Space, Add	*22.49*	
		For Galvanized Fittings, Add	*14.64*	
23 21 13 23-1752	EA	4" x 1", Grooved Concentric Reducer	158.41	39.36
		For Work In Restricted Working Space, Add	*17.73*	
		For Galvanized Fittings, Add	*17.03*	
23 21 13 23-1753	EA	4" x 1-1/4", Grooved Concentric Reducer	845.60	40.37
		For Work In Restricted Working Space, Add	*18.17*	
		For Galvanized Fittings, Add	*134.64*	
23 21 13 23-1754	EA	4" x 1-1/2", Grooved Concentric Reducer	664.34	42.82
		For Work In Restricted Working Space, Add	*19.25*	
		For Galvanized Fittings, Add	*102.93*	
23 21 13 23-1755	EA	4" x 2", Grooved Concentric Reducer	157.28	46.71
		For Work In Restricted Working Space, Add	*20.98*	
		For Galvanized Fittings, Add	*14.98*	
23 21 13 23-1756	EA	4" x 2-1/2", Grooved Concentric Reducer	184.46	50.03
		For Work In Restricted Working Space, Add	*22.49*	
		For Galvanized Fittings, Add	*18.78*	
23 21 13 23-1757	EA	4" x 3", Grooved Concentric Reducer	190.22	53.92
		For Work In Restricted Working Space, Add	*24.22*	
		For Galvanized Fittings, Add	*18.78*	
23 21 13 23-1758	EA	4" x 3-1/2", Grooved Concentric Reducer	195.99	57.67
		For Work In Restricted Working Space, Add	*25.95*	
		For Galvanized Fittings, Add	*18.78*	
23 21 13 23-1759	EA	5" x 2", Grooved Concentric Reducer	1,186.26	54.35
		For Work In Restricted Working Space, Add	*24.44*	
		For Galvanized Fittings, Add	*189.47*	
23 21 13 23-1760	EA	5" x 2-1/2", Grooved Concentric Reducer	943.69	57.67
		For Work In Restricted Working Space, Add	*25.95*	
		For Galvanized Fittings, Add	*147.01*	
23 21 13 23-1761	EA	5" x 3", Grooved Concentric Reducer	220.43	61.56
		For Work In Restricted Working Space, Add	*27.68*	
		For Galvanized Fittings, Add	*21.98*	
23 21 13 23-1762	EA	5" x 4", Grooved Concentric Reducer	256.86	69.20
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*26.25*	
23 21 13 23-1763	EA	6" x 1", Grooved Concentric Reducer	291.49	58.68
		For Work In Restricted Working Space, Add	*26.38*	
		For Galvanized Fittings, Add	*37.98*	
23 21 13 23-1764	EA	6" x 1-1/2", Grooved Concentric Reducer	1,254.61	61.99
		For Work In Restricted Working Space, Add	*27.90*	
		For Galvanized Fittings, Add	*216.76*	
23 21 13 23-1765	EA	6" x 2", Grooved Concentric Reducer	302.29	65.89
		For Work In Restricted Working Space, Add	*29.62*	
		For Galvanized Fittings, Add	*37.98*	
23 21 13 23-1766	EA	6" x 2-1/2", Grooved Concentric Reducer	1,272.04	69.20
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*217.99*	
23 21 13 23-1767	EA	6" x 3", Grooved Concentric Reducer	313.13	73.09
		For Work In Restricted Working Space, Add	*32.87*	
		For Galvanized Fittings, Add	*37.98*	
23 21 13 23-1768	EA	6" x 4", Grooved Concentric Reducer	298.37	80.74
		For Work In Restricted Working Space, Add	*36.33*	
		For Galvanized Fittings, Add	*33.08*	
23 21 13 23-1769	EA	6" x 5", Grooved Concentric Reducer	394.89	88.52
		For Work In Restricted Working Space, Add	*39.80*	
		For Galvanized Fittings, Add	*48.93*	
23 21 13 23-1770	EA	8" x 3", Grooved Concentric Reducer	487.70	82.75
		For Work In Restricted Working Space, Add	*37.19*	
		For Galvanized Fittings, Add	*67.87*	
23 21 13 23-1771	EA	8" x 4", Grooved Concentric Reducer	499.21	90.39
		For Work In Restricted Working Space, Add	*40.65*	
		For Galvanized Fittings, Add	*67.87*	
23 21 13 23-1772	EA	8" x 5", Grooved Concentric Reducer	510.76	98.03
		For Work In Restricted Working Space, Add	*44.11*	
		For Galvanized Fittings, Add	*67.87*	
23 21 13 23-1773	EA	8" x 6", Grooved Concentric Reducer	628.16	109.56
		For Work In Restricted Working Space, Add	*49.30*	
		For Galvanized Fittings, Add	*86.55*	
23 21 13 23-1774	EA	10" x 4", Grooved Concentric Reducer	1,016.65	100.49
		For Work In Restricted Working Space, Add	*45.20*	
		For Galvanized Fittings, Add	*161.59*	
23 21 13 23-1775	EA	10" x 5", Grooved Concentric Reducer	2,071.12	108.12
		For Work In Restricted Working Space, Add	*48.66*	
		For Galvanized Fittings, Add	*356.20*	
23 21 13 23-1776	EA	10" x 6", Grooved Concentric Reducer	1,126.49	119.65
		For Work In Restricted Working Space, Add	*53.85*	
		For Galvanized Fittings, Add	*176.71*	
23 21 13 23-1777	EA	10" x 8", Grooved Concentric Reducer	1,140.87	129.31
		For Work In Restricted Working Space, Add	*58.16*	
		For Galvanized Fittings, Add	*176.71*	
23 21 13 23-1778	EA	12" x 4", Grooved Concentric Reducer	3,038.23	114.47
		For Work In Restricted Working Space, Add	*51.46*	
		For Galvanized Fittings, Add	*430.00*	
23 21 13 23-1779	EA	12" x 6", Grooved Concentric Reducer	1,329.84	133.64
		For Work In Restricted Working Space, Add	*60.10*	
		For Galvanized Fittings, Add	*169.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1780	EA	12" x 8", Grooved Concentric Reducer	1,911.46	143.29
		For Work In Restricted Working Space, Add	*64.43*	
		For Galvanized Fittings, Add	*254.50*	
23 21 13 23-1781	EA	12" x 10", Grooved Concentric Reducer	1,926.68	153.39
		For Work In Restricted Working Space, Add	*69.00*	
		For Galvanized Fittings, Add	*254.50*	
23 21 13 23-1782	EA	14" x 6", Grooved Concentric Reducer	5,972.74	144.02
		For Work In Restricted Working Space, Add	*64.78*	
		For Galvanized Fittings, Add	*176.73*	
23 21 13 23-1783	EA	14" x 8", Grooved Concentric Reducer	3,609.46	153.68
		For Work In Restricted Working Space, Add	*69.13*	
		For Galvanized Fittings, Add	*103.74*	
23 21 13 23-1784	EA	14" x 10", Grooved Concentric Reducer	3,098.57	163.77
		For Work In Restricted Working Space, Add	*73.65*	
		For Galvanized Fittings, Add	*87.59*	
23 21 13 23-1785	EA	14" x 12", Grooved Concentric Reducer	3,119.43	177.61
		For Work In Restricted Working Space, Add	*79.91*	
		For Galvanized Fittings, Add	*87.59*	
23 21 13 23-1786	EA	16" x 8", Grooved Concentric Reducer	5,452.08	163.91
		For Work In Restricted Working Space, Add	*73.76*	
		For Galvanized Fittings, Add	*159.83*	
23 21 13 23-1787	EA	16" x 10", Grooved Concentric Reducer	5,074.44	174.00
		For Work In Restricted Working Space, Add	*78.29*	
		For Galvanized Fittings, Add	*147.77*	
23 21 13 23-1788	EA	16" x 12", Grooved Concentric Reducer	4,710.28	187.99
		For Work In Restricted Working Space, Add	*84.54*	
		For Galvanized Fittings, Add	*135.95*	
23 21 13 23-1789	EA	16" x 14", Grooved Concentric Reducer	4,725.85	198.37
		For Work In Restricted Working Space, Add	*89.21*	
		For Galvanized Fittings, Add	*135.95*	
23 21 13 23-1790	EA	18" x 10", Grooved Concentric Reducer	7,072.31	183.66
		For Work In Restricted Working Space, Add	*82.60*	
		For Galvanized Fittings, Add	*208.67*	
23 21 13 23-1791	EA	18" x 12", Grooved Concentric Reducer	6,424.66	197.50
		For Work In Restricted Working Space, Add	*88.84*	
		For Galvanized Fittings, Add	*188.15*	
23 21 13 23-1792	EA	18" x 14", Grooved Concentric Reducer	5,859.88	207.88
		For Work In Restricted Working Space, Add	*93.53*	
		For Galvanized Fittings, Add	*170.33*	
23 21 13 23-1793	EA	18" x 16", Grooved Concentric Reducer	5,875.46	218.40
		For Work In Restricted Working Space, Add	*98.21*	
		For Galvanized Fittings, Add	*170.33*	
23 21 13 23-1794	EA	20" x 10", Grooved Concentric Reducer	7,774.96	188.42
		For Work In Restricted Working Space, Add	*84.74*	
		For Galvanized Fittings, Add	*230.02*	
23 21 13 23-1795	EA	20" x 12", Grooved Concentric Reducer	6,691.27	202.40
		For Work In Restricted Working Space, Add	*91.01*	
		For Galvanized Fittings, Add	*196.11*	
23 21 13 23-1796	EA	20" x 14", Grooved Concentric Reducer	6,706.84	212.79
		For Work In Restricted Working Space, Add	*95.68*	
		For Galvanized Fittings, Add	*196.11*	
23 21 13 23-1797	EA	20" x 16", Grooved Concentric Reducer	6,001.51	223.02
		For Work In Restricted Working Space, Add	*100.30*	
		For Galvanized Fittings, Add	*173.98*	
23 21 13 23-1798	EA	20" x 18", Grooved Concentric Reducer	6,392.24	232.68
		For Work In Restricted Working Space, Add	*104.67*	
		For Galvanized Fittings, Add	*185.53*	
23 21 13 23-1799	EA	24" x 10", Grooved Concentric Reducer	17,010.23	209.61
		For Work In Restricted Working Space, Add	*94.27*	
		For Galvanized Fittings, Add	*512.57*	
23 21 13 23-1800	EA	24" x 12", Grooved Concentric Reducer	16,628.03	223.60
		For Work In Restricted Working Space, Add	*100.58*	
		For Galvanized Fittings, Add	*500.19*	
23 21 13 23-1801	EA	24" x 14", Grooved Concentric Reducer	14,515.97	233.83
		For Work In Restricted Working Space, Add	*105.18*	
		For Galvanized Fittings, Add	*434.88*	
23 21 13 23-1802	EA	24" x 16", Grooved Concentric Reducer	14,531.64	244.35
		For Work In Restricted Working Space, Add	*109.88*	
		For Galvanized Fittings, Add	*434.88*	
23 21 13 23-1803	EA	24" x 18", Grooved Concentric Reducer	12,471.53	253.87
		For Work In Restricted Working Space, Add	*114.17*	
		For Galvanized Fittings, Add	*371.19*	
23 21 13 23-1804	EA	24" x 20", Grooved Concentric Reducer	11,407.89	258.77
		For Work In Restricted Working Space, Add	*116.39*	
		For Galvanized Fittings, Add	*338.31*	

23 21 13 23-1805 Grooved Eccentric Reducers *(23 21 13 23-1711)*

Note: Victaulic No. 51

23 21 13 23-1806	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	390.90	19.75
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*43.43*	
23 21 13 23-1807	EA	1-1/2" x 1", Grooved Eccentric Reducer	357.16	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Galvanized Fittings, Add	*39.21*	
23 21 13 23-1808	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	351.49	21.63
		For Work In Restricted Working Space, Add	*9.73*	
		For Galvanized Fittings, Add	*38.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1809	EA	2" x 3/4", Grooved Eccentric Reducer	737.47	23.50
		For Work In Restricted Working Space, Add	*10.60*	
		For Galvanized Fittings, Add	*84.40*	
23 21 13 23-1810	EA	2" x 1", Grooved Eccentric Reducer	396.92	24.51
		For Work In Restricted Working Space, Add	*11.03*	
		For Galvanized Fittings, Add	*43.29*	
23 21 13 23-1811	EA	2" x 1-1/4", Grooved Eccentric Reducer	433.05	25.52
		For Work In Restricted Working Space, Add	*11.46*	
		For Galvanized Fittings, Add	*47.46*	
23 21 13 23-1812	EA	2" x 1-1/2", Grooved Eccentric Reducer	373.14	28.40
		For Work In Restricted Working Space, Add	*12.79*	
		For Galvanized Fittings, Add	*39.73*	
23 21 13 23-1813	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	956.34	26.53
		For Work In Restricted Working Space, Add	*11.93*	
		For Galvanized Fittings, Add	*110.17*	
23 21 13 23-1814	EA	2-1/2" x 1", Grooved Eccentric Reducer	895.10	27.53
		For Work In Restricted Working Space, Add	*12.35*	
		For Galvanized Fittings, Add	*102.64*	
23 21 13 23-1815	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	538.55	28.40
		For Work In Restricted Working Space, Add	*12.79*	
		For Galvanized Fittings, Add	*59.61*	
23 21 13 23-1816	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	439.82	31.28
		For Work In Restricted Working Space, Add	*14.06*	
		For Galvanized Fittings, Add	*47.23*	
23 21 13 23-1817	EA	2-1/2" x 2", Grooved Eccentric Reducer	210.91	35.03
		For Work In Restricted Working Space, Add	*15.79*	
		For Galvanized Fittings, Add	*19.03*	
23 21 13 23-1818	EA	3" x 1", Grooved Eccentric Reducer	963.48	31.72
		For Work In Restricted Working Space, Add	*14.25*	
		For Galvanized Fittings, Add	*110.10*	
23 21 13 23-1819	EA	3" x 1-1/4", Grooved Eccentric Reducer	878.19	32.73
		For Work In Restricted Working Space, Add	*14.69*	
		For Galvanized Fittings, Add	*99.67*	
23 21 13 23-1820	EA	3" x 1-1/2", Grooved Eccentric Reducer	507.15	35.03
		For Work In Restricted Working Space, Add	*15.79*	
		For Galvanized Fittings, Add	*54.63*	
23 21 13 23-1821	EA	3" x 2", Grooved Eccentric Reducer	240.29	38.93
		For Work In Restricted Working Space, Add	*17.51*	
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1822	EA	3" x 2-1/2", Grooved Eccentric Reducer	251.47	46.42
		For Work In Restricted Working Space, Add	*20.87*	
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1823	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,081.35	50.03
		For Work In Restricted Working Space, Add	*22.49*	
		For Galvanized Fittings, Add	*120.97*	
23 21 13 23-1824	EA	4" x 1", Grooved Eccentric Reducer	1,915.76	39.36
		For Work In Restricted Working Space, Add	*17.73*	
		For Galvanized Fittings, Add	*318.42*	
23 21 13 23-1825	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,187.04	42.82
		For Work In Restricted Working Space, Add	*19.25*	
		For Galvanized Fittings, Add	*192.57*	
23 21 13 23-1826	EA	4" x 2", Grooved Eccentric Reducer	292.35	46.71
		For Work In Restricted Working Space, Add	*20.98*	
		For Galvanized Fittings, Add	*38.15*	
23 21 13 23-1827	EA	4" x 2-1/2", Grooved Eccentric Reducer	297.40	50.03
		For Work In Restricted Working Space, Add	*22.49*	
		For Galvanized Fittings, Add	*38.15*	
23 21 13 23-1828	EA	4" x 3", Grooved Eccentric Reducer	303.16	53.92
		For Work In Restricted Working Space, Add	*24.22*	
		For Galvanized Fittings, Add	*38.15*	
23 21 13 23-1829	EA	5" x 2", Grooved Eccentric Reducer	1,319.65	54.35
		For Work In Restricted Working Space, Add	*24.44*	
		For Galvanized Fittings, Add	*212.35*	
23 21 13 23-1830	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,141.41	57.67
		For Work In Restricted Working Space, Add	*25.95*	
		For Galvanized Fittings, Add	*180.92*	
23 21 13 23-1831	EA	5" x 3", Grooved Eccentric Reducer	1,111.20	61.56
		For Work In Restricted Working Space, Add	*27.68*	
		For Galvanized Fittings, Add	*174.75*	
23 21 13 23-1832	EA	5" x 4", Grooved Eccentric Reducer	406.75	69.20
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*51.96*	
23 21 13 23-1833	EA	6" x 1", Grooved Eccentric Reducer	2,012.77	58.68
		For Work In Restricted Working Space, Add	*26.38*	
		For Galvanized Fittings, Add	*359.17*	
23 21 13 23-1834	EA	6" x 2", Grooved Eccentric Reducer	1,854.11	65.89
		For Work In Restricted Working Space, Add	*29.62*	
		For Galvanized Fittings, Add	*327.55*	
23 21 13 23-1835	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,194.04	69.20
		For Work In Restricted Working Space, Add	*31.14*	
		For Galvanized Fittings, Add	*390.04*	
23 21 13 23-1836	EA	6" x 3", Grooved Eccentric Reducer	512.92	73.09
		For Work In Restricted Working Space, Add	*32.87*	
		For Galvanized Fittings, Add	*75.26*	
23 21 13 23-1837	EA	6" x 4", Grooved Eccentric Reducer	474.15	80.74
		For Work In Restricted Working Space, Add	*36.33*	
		For Galvanized Fittings, Add	*65.88*	
23 21 13 23-1838	EA	6" x 5", Grooved Eccentric Reducer	556.15	88.52
		For Work In Restricted Working Space, Add	*39.80*	
		For Galvanized Fittings, Add	*79.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1839	EA	8" x 3", Grooved Eccentric Reducer	2,163.53	82.75
		For Work In Restricted Working Space, Add	*37.19*	
		For Galvanized Fittings, Add	*380.58*	
23 21 13 23-1840	EA	8" x 4", Grooved Eccentric Reducer	1,917.93	90.39
		For Work In Restricted Working Space, Add	*40.65*	
		For Galvanized Fittings, Add	*332.60*	
23 21 13 23-1841	EA	8" x 5", Grooved Eccentric Reducer	1,806.56	98.03
		For Work In Restricted Working Space, Add	*44.11*	
		For Galvanized Fittings, Add	*309.67*	
23 21 13 23-1842	EA	8" x 6", Grooved Eccentric Reducer	880.22	109.56
		For Work In Restricted Working Space, Add	*49.30*	
		For Galvanized Fittings, Add	*133.58*	
23 21 13 23-1843	EA	10" x 4", Grooved Eccentric Reducer	3,421.50	100.49
		For Work In Restricted Working Space, Add	*45.20*	
		For Galvanized Fittings, Add	*610.34*	
23 21 13 23-1844	EA	10" x 5", Grooved Eccentric Reducer	3,243.80	108.12
		For Work In Restricted Working Space, Add	*48.66*	
		For Galvanized Fittings, Add	*575.03*	
23 21 13 23-1845	EA	10" x 6", Grooved Eccentric Reducer	2,503.32	119.65
		For Work In Restricted Working Space, Add	*53.85*	
		For Galvanized Fittings, Add	*433.63*	
23 21 13 23-1846	EA	10" x 8", Grooved Eccentric Reducer	2,160.69	129.31
		For Work In Restricted Working Space, Add	*58.16*	
		For Galvanized Fittings, Add	*367.01*	
23 21 13 23-1847	EA	12" x 4", Grooved Eccentric Reducer	3,497.40	114.47
		For Work In Restricted Working Space, Add	*51.46*	
		For Galvanized Fittings, Add	*501.87*	
23 21 13 23-1848	EA	12" x 6", Grooved Eccentric Reducer	3,304.77	133.64
		For Work In Restricted Working Space, Add	*60.10*	
		For Galvanized Fittings, Add	*468.46*	
23 21 13 23-1849	EA	12" x 8", Grooved Eccentric Reducer	3,239.77	143.29
		For Work In Restricted Working Space, Add	*64.43*	
		For Galvanized Fittings, Add	*456.47*	
23 21 13 23-1850	EA	12" x 10", Grooved Eccentric Reducer	2,939.48	153.39
		For Work In Restricted Working Space, Add	*69.00*	
		For Galvanized Fittings, Add	*408.86*	
23 21 13 23-1851	EA	14" x 6", Grooved Eccentric Reducer	8,048.95	144.02
		For Work In Restricted Working Space, Add	*64.78*	
		For Galvanized Fittings, Add	*240.47*	
23 21 13 23-1852	EA	14" x 8", Grooved Eccentric Reducer	5,238.26	153.68
		For Work In Restricted Working Space, Add	*69.13*	
		For Galvanized Fittings, Add	*153.74*	
23 21 13 23-1853	EA	14" x 10", Grooved Eccentric Reducer	5,012.62	163.77
		For Work In Restricted Working Space, Add	*73.65*	
		For Galvanized Fittings, Add	*146.35*	
23 21 13 23-1854	EA	14" x 12", Grooved Eccentric Reducer	5,033.48	177.61
		For Work In Restricted Working Space, Add	*79.91*	
		For Galvanized Fittings, Add	*146.35*	
23 21 13 23-1855	EA	16" x 8", Grooved Eccentric Reducer	8,896.41	163.91
		For Work In Restricted Working Space, Add	*73.76*	
		For Galvanized Fittings, Add	*265.57*	
23 21 13 23-1856	EA	16" x 10", Grooved Eccentric Reducer	8,254.75	174.00
		For Work In Restricted Working Space, Add	*78.29*	
		For Galvanized Fittings, Add	*245.41*	
23 21 13 23-1857	EA	16" x 12", Grooved Eccentric Reducer	7,793.07	187.99
		For Work In Restricted Working Space, Add	*84.54*	
		For Galvanized Fittings, Add	*230.60*	
23 21 13 23-1858	EA	16" x 14", Grooved Eccentric Reducer	7,808.64	198.37
		For Work In Restricted Working Space, Add	*89.21*	
		For Galvanized Fittings, Add	*230.60*	
23 21 13 23-1859	EA	18" x 10", Grooved Eccentric Reducer	11,147.65	183.66
		For Work In Restricted Working Space, Add	*82.60*	
		For Galvanized Fittings, Add	*333.78*	
23 21 13 23-1860	EA	18" x 12", Grooved Eccentric Reducer	10,505.24	197.50
		For Work In Restricted Working Space, Add	*88.84*	
		For Galvanized Fittings, Add	*313.42*	
23 21 13 23-1861	EA	18" x 14", Grooved Eccentric Reducer	9,587.21	207.88
		For Work In Restricted Working Space, Add	*93.53*	
		For Galvanized Fittings, Add	*284.76*	
23 21 13 23-1862	EA	18" x 16", Grooved Eccentric Reducer	9,602.79	218.40
		For Work In Restricted Working Space, Add	*98.21*	
		For Galvanized Fittings, Add	*284.76*	
23 21 13 23-1863	EA	20" x 10", Grooved Eccentric Reducer	14,609.58	188.42
		For Work In Restricted Working Space, Add	*84.74*	
		For Galvanized Fittings, Add	*439.84*	
23 21 13 23-1864	EA	20" x 12", Grooved Eccentric Reducer	10,901.00	202.40
		For Work In Restricted Working Space, Add	*91.01*	
		For Galvanized Fittings, Add	*325.35*	
23 21 13 23-1865	EA	20" x 14", Grooved Eccentric Reducer	10,254.04	212.79
		For Work In Restricted Working Space, Add	*95.68*	
		For Galvanized Fittings, Add	*305.01*	
23 21 13 23-1866	EA	20" x 16", Grooved Eccentric Reducer	10,108.67	223.02
		For Work In Restricted Working Space, Add	*100.30*	
		For Galvanized Fittings, Add	*300.07*	
23 21 13 23-1867	EA	20" x 18", Grooved Eccentric Reducer	9,748.73	232.68
		For Work In Restricted Working Space, Add	*104.67*	
		For Galvanized Fittings, Add	*288.58*	
23 21 13 23-1868	EA	24" x 12", Grooved Eccentric Reducer	21,075.59	223.60
		For Work In Restricted Working Space, Add	*100.58*	
		For Galvanized Fittings, Add	*636.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1869	EA	24" x 14", Grooved Eccentric Reducer	18,027.30	233.83
		For Work In Restricted Working Space, Add	*105.18*	
		For Galvanized Fittings, Add	*542.68*	
23 21 13 23-1870	EA	24" x 16", Grooved Eccentric Reducer	18,042.97	244.35
		For Work In Restricted Working Space, Add	*109.88*	
		For Galvanized Fittings, Add	*542.68*	
23 21 13 23-1871	EA	24" x 18", Grooved Eccentric Reducer	17,053.87	253.87
		For Work In Restricted Working Space, Add	*114.17*	
		For Galvanized Fittings, Add	*511.87*	
23 21 13 23-1872	EA	24" x 20", Grooved Eccentric Reducer	15,603.19	258.77
		For Work In Restricted Working Space, Add	*116.39*	
		For Galvanized Fittings, Add	*467.11*	

23 21 13 23-1873 Grooved, Close Nipple *(23 21 13 23-1711)*

Note: Victaulic No. 143

23 21 13 23-1874	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	70.69	19.03
		For Work In Restricted Working Space, Add	*8.65*	
		For Galvanized Fittings, Add	*7.53*	
		For 300 Lb. Rating, Add	*6.28*	
		For Galvanized Fittings, Add	*10.72*	
23 21 13 23-1875	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	81.65	23.78
		For Work In Restricted Working Space, Add	*10.81*	
		For Galvanized Fittings, Add	*8.21*	
		For 300 Lb. Rating, Add	*6.84*	
		For Galvanized Fittings, Add	*11.68*	
23 21 13 23-1876	EA	2" Ductile Iron, Grooved, Close Nipple	102.57	31.40
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*9.90*	
		For 300 Lb. Rating, Add	*8.25*	
		For Galvanized Fittings, Add	*14.08*	
23 21 13 23-1877	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	122.65	38.06
		For Work In Restricted Working Space, Add	*17.30*	
		For Galvanized Fittings, Add	*11.70*	
		For 300 Lb. Rating, Add	*9.75*	
		For Galvanized Fittings, Add	*16.63*	

23 21 13 23-1878 Grooved Caps *(23 21 13 23-1711)*

Note: Victaulic No. 60

23 21 13 23-1879	EA	1" Carbon Steel Grooved Cap	129.60	5.91
		For Work In Restricted Working Space, Add	*3.55*	
23 21 13 23-1880	EA	1-1/4" Carbon Steel Grooved Cap	132.48	7.35
		For Work In Restricted Working Space, Add	*4.41*	
23 21 13 23-1881	EA	1-1/2" Carbon Steel Grooved Cap	135.65	8.94
		For Work In Restricted Working Space, Add	*5.36*	
23 21 13 23-1882	EA	2" Carbon Steel Grooved Cap	141.27	11.83
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-1883	EA	2-1/2" Carbon Steel Grooved Cap	146.46	14.42
		For Work In Restricted Working Space, Add	*8.61*	
23 21 13 23-1884	EA	3" Carbon Steel Grooved Cap	152.51	17.44
		For Work In Restricted Working Space, Add	*10.42*	
23 21 13 23-1885	EA	4" Carbon Steel Grooved Cap	171.45	23.07
		For Work In Restricted Working Space, Add	*13.79*	
23 21 13 23-1886	EA	5" Carbon Steel Grooved Cap	345.72	28.69
		For Work In Restricted Working Space, Add	*17.21*	
23 21 13 23-1887	EA	6" Carbon Steel Grooved Cap	363.05	37.63
		For Work In Restricted Working Space, Add	*22.53*	
23 21 13 23-1888	EA	8" Carbon Steel Grooved Cap	636.91	44.69
		For Work In Restricted Working Space, Add	*26.82*	
23 21 13 23-1889	EA	10" Carbon Steel Grooved Cap	1,059.11	52.18
		For Work In Restricted Working Space, Add	*31.27*	
23 21 13 23-1890	EA	12" Carbon Steel Grooved Cap	1,794.68	62.57
		For Work In Restricted Working Space, Add	*37.54*	

23 21 13 23-1891 Grooved Couplings *(23 21 13 23-1468)*

23 21 13 23-1892 Flexible Grooved Coupling *(23 21 13 23-1891)*

Note: Victaulic Style 77

23 21 13 23-1893	EA	3/4" Grooved Standard Coupling	25.97	7.78
		For Work In Restricted Working Space, Add	*3.53*	
		For Galvanized Fittings, Add	*3.97*	
23 21 13 23-1894	EA	1" Grooved Standard Coupling	25.97	7.78
		For Work In Restricted Working Space, Add	*3.53*	
		For Galvanized Fittings, Add	*3.97*	
23 21 13 23-1895	EA	1-1/4" Grooved Standard Coupling	33.59	9.80
		For Work In Restricted Working Space, Add	*4.42*	
		For Galvanized Fittings, Add	*5.28*	
23 21 13 23-1896	EA	1-1/2" Grooved Standard Coupling	38.21	11.67
		For Work In Restricted Working Space, Add	*5.27*	
		For Galvanized Fittings, Add	*5.78*	
23 21 13 23-1897	EA	2" Grooved Standard Coupling	45.35	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*6.10*	
23 21 13 23-1898	EA	2-1/2" Grooved Standard Coupling	54.78	19.18
		For Work In Restricted Working Space, Add	*8.61*	
		For Galvanized Fittings, Add	*7.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1899	EA	3" Grooved Standard Coupling	60.35	22.93
		For Work In Restricted Working Space, Add	*10.28*	
		For Galvanized Fittings, Add	*7.31*	
23 21 13 23-1900	EA	3-1/2" Grooved Standard Coupling	82.32	26.82
		For Work In Restricted Working Space, Add	*12.08*	
		For Galvanized Fittings, Add	*11.77*	
23 21 13 23-1901	EA	4" Grooved Standard Coupling	87.95	30.56
		For Work In Restricted Working Space, Add	*13.77*	
		For Galvanized Fittings, Add	*11.77*	
23 21 13 23-1902	EA	5" Grooved Standard Coupling	121.85	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*18.05*	
23 21 13 23-1903	EA	6" Grooved Standard Coupling	151.28	50.03
		For Work In Restricted Working Space, Add	*22.53*	
		For Galvanized Fittings, Add	*21.33*	
23 21 13 23-1904	EA	8" Grooved Standard Coupling	213.59	59.68
		For Work In Restricted Working Space, Add	*26.82*	
		For Galvanized Fittings, Add	*34.78*	
23 21 13 23-1905	EA	10" Grooved Standard Coupling	313.67	71.50
		For Work In Restricted Working Space, Add	*32.18*	
		For Galvanized Fittings, Add	*57.79*	
23 21 13 23-1906	EA	12" Grooved Standard Coupling	352.34	78.28
		For Work In Restricted Working Space, Add	*35.20*	
		For Galvanized Fittings, Add	*65.81*	
23 21 13 23-1907	EA	14" Grooved Standard Coupling	441.93	104.38
		For Work In Restricted Working Space, Add	*46.93*	
		For Galvanized Fittings, Add	*79.94*	
23 21 13 23-1908	EA	16" Grooved Standard Coupling	562.20	125.28
		For Work In Restricted Working Space, Add	*56.31*	
		For Galvanized Fittings, Add	*104.86*	
23 21 13 23-1909	EA	18" Grooved Standard Coupling	647.15	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*122.80*	
23 21 13 23-1910	EA	20" Grooved Standard Coupling	924.61	156.56
		For Work In Restricted Working Space, Add	*70.39*	
		For Galvanized Fittings, Add	*193.19*	
23 21 13 23-1911	EA	24" Grooved Standard Coupling	1,045.44	192.60
		For Work In Restricted Working Space, Add	*86.64*	
		For Galvanized Fittings, Add	*211.86*	

23 21 13 23-1912 Zero-Flex® Rigid Coupling *(23 21 13 23-1891)*

Note: Victaulic Style 07

23 21 13 23-1913	EA	1" Grooved Rigid Coupling	31.52	7.78
		For Work In Restricted Working Space, Add	*3.53*	
		For Galvanized Fittings, Add	*4.84*	
23 21 13 23-1914	EA	1-1/4" Grooved Rigid Coupling	34.46	9.80
		For Work In Restricted Working Space, Add	*4.42*	
		For Galvanized Fittings, Add	*4.84*	
23 21 13 23-1915	EA	1-1/2" Grooved Rigid Coupling	37.32	11.67
		For Work In Restricted Working Space, Add	*5.27*	
		For Galvanized Fittings, Add	*4.84*	
23 21 13 23-1916	EA	2" Grooved Rigid Coupling	43.79	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*4.96*	
23 21 13 23-1917	EA	2-1/2" Grooved Rigid Coupling	52.02	19.18
		For Work In Restricted Working Space, Add	*8.61*	
		For Galvanized Fittings, Add	*5.72*	
23 21 13 23-1918	EA	3" Grooved Rigid Coupling	57.59	22.93
		For Work In Restricted Working Space, Add	*10.28*	
		For Galvanized Fittings, Add	*5.72*	
23 21 13 23-1919	EA	3-1/2" Grooved Rigid Coupling	67.55	26.82
		For Work In Restricted Working Space, Add	*12.08*	
		For Galvanized Fittings, Add	*6.68*	
23 21 13 23-1920	EA	4" Grooved Rigid Coupling	84.55	30.56
		For Work In Restricted Working Space, Add	*13.77*	
		For Galvanized Fittings, Add	*9.47*	
23 21 13 23-1921	EA	5" Grooved Rigid Coupling	107.57	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*12.29*	
23 21 13 23-1922	EA	6" Grooved Rigid Coupling	142.17	50.03
		For Work In Restricted Working Space, Add	*22.53*	
		For Galvanized Fittings, Add	*16.43*	
23 21 13 23-1923	EA	8" Grooved Rigid Coupling	195.06	59.68
		For Work In Restricted Working Space, Add	*26.82*	
		For Galvanized Fittings, Add	*25.89*	
23 21 13 23-1924	EA	10" Grooved Rigid Coupling	296.61	71.50
		For Work In Restricted Working Space, Add	*32.18*	
		For Galvanized Fittings, Add	*46.39*	
23 21 13 23-1925	EA	12" Grooved Rigid Coupling	329.21	78.28
		For Work In Restricted Working Space, Add	*35.20*	
		For Galvanized Fittings, Add	*51.91*	
23 21 13 23-1926	EA	14" Grooved Rigid Coupling	433.26	104.38
		For Work In Restricted Working Space, Add	*46.93*	
		For Galvanized Fittings, Add	*67.82*	
23 21 13 23-1927	EA	16" Grooved Rigid Coupling	548.76	125.28
		For Work In Restricted Working Space, Add	*56.31*	
		For Galvanized Fittings, Add	*88.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1928	EA	18" Grooved Rigid Coupling	625.95	139.12
		For Work In Restricted Working Space, Add	*62.57*	
		For Galvanized Fittings, Add	*102.26*	
23 21 13 23-1929	EA	20" Grooved Rigid Coupling	731.56	156.56
		For Work In Restricted Working Space, Add	*70.39*	
		For Galvanized Fittings, Add	*121.75*	
23 21 13 23-1930	EA	24" Grooved Rigid Coupling	1,020.73	192.60
		For Work In Restricted Working Space, Add	*86.64*	
		For Galvanized Fittings, Add	*179.33*	

23 21 13 23-1931 Large Diameter Grooved Coupling *(23 21 13 23-1891)*

Note: Victaulic Style 770

23 21 13 23-1932	EA	28" Grooved Coupling	935.69	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*122.96*	
23 21 13 23-1933	EA	30" Grooved Coupling	1,086.29	50.03
		For Work In Restricted Working Space, Add	*22.53*	
		For Galvanized Fittings, Add	*141.57*	
23 21 13 23-1934	EA	32" Grooved Coupling	1,603.72	59.68
		For Work In Restricted Working Space, Add	*26.82*	
		For Galvanized Fittings, Add	*212.01*	
23 21 13 23-1935	EA	36" Grooved Coupling	2,124.72	71.50
		For Work In Restricted Working Space, Add	*32.18*	
		For Galvanized Fittings, Add	*282.44*	
23 21 13 23-1936	EA	42" Grooved Coupling	4,197.44	78.28
		For Work In Restricted Working Space, Add	*35.20*	
		For Galvanized Fittings, Add	*571.22*	

23 21 13 23-1937 Flexible Coupling *(23 21 13 23-1891)*

Note: Victaulic Style 75

23 21 13 23-1938	EA	1-1/2" Grooved Flexible Coupling	35.52	11.67
		For Work In Restricted Working Space, Add	*5.27*	
		For Galvanized Fittings, Add	*4.59*	
23 21 13 23-1939	EA	2" Grooved Flexible Coupling	41.95	15.72
		For Work In Restricted Working Space, Add	*7.07*	
		For Galvanized Fittings, Add	*4.71*	
23 21 13 23-1940	EA	2-1/2" Grooved Flexible Coupling	50.02	19.18
		For Work In Restricted Working Space, Add	*8.61*	
		For Galvanized Fittings, Add	*5.46*	
23 21 13 23-1941	EA	3" Grooved Flexible Coupling	59.06	22.93
		For Work In Restricted Working Space, Add	*10.28*	
		For Galvanized Fittings, Add	*6.35*	
23 21 13 23-1942	EA	3-1/2" Grooved Flexible Coupling	75.41	26.82
		For Work In Restricted Working Space, Add	*12.08*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1943	EA	4" Grooved Flexible Coupling	81.04	30.56
		For Work In Restricted Working Space, Add	*13.77*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1944	EA	5" Grooved Flexible Coupling	108.07	38.35
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-1945	EA	6" Grooved Flexible Coupling	136.14	50.03
		For Work In Restricted Working Space, Add	*22.53*	
		For Galvanized Fittings, Add	*15.63*	
23 21 13 23-1946	EA	8" Grooved Flexible Coupling	185.36	59.68
		For Work In Restricted Working Space, Add	*26.82*	
		For Galvanized Fittings, Add	*24.57*	

23 21 13 23-1947 Installation-Ready™ Coupling *(23 21 13 23-1891)*

Note: Victaulic Style 009N

23 21 13 23-1948	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	84.78	7.28
		For Work In Restricted Working Space, Add	*3.31*	
		For Galvanized Fittings, Add	*18.88*	
23 21 13 23-1949	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	88.46	8.71
		For Work In Restricted Working Space, Add	*3.96*	
		For Galvanized Fittings, Add	*19.27*	
23 21 13 23-1950	EA	2" Ductile Iron, Installation-Ready™ Coupling	102.87	11.71
		For Work In Restricted Working Space, Add	*5.32*	
		For Galvanized Fittings, Add	*21.80*	
23 21 13 23-1951	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	119.56	14.18
		For Work In Restricted Working Space, Add	*6.44*	
		For Galvanized Fittings, Add	*25.11*	
23 21 13 23-1952	EA	3" Ductile Iron, Installation-Ready™ Coupling	136.80	17.03
		For Work In Restricted Working Space, Add	*7.74*	
		For Galvanized Fittings, Add	*28.41*	
23 21 13 23-1953	EA	4" Ductile Iron, Installation-Ready™ Coupling	190.32	22.74
		For Work In Restricted Working Space, Add	*10.34*	
		For Galvanized Fittings, Add	*39.90*	
23 21 13 23-1954	EA	5" Ductile Iron, Installation-Ready™ Coupling	298.03	28.45
		For Work In Restricted Working Space, Add	*12.93*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1955	EA	6" Ductile Iron, Installation-Ready™ Coupling	360.98	37.20
		For Work In Restricted Working Space, Add	*16.91*	
		For Galvanized Fittings, Add	*77.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1956	EA	8" Ductile Iron, Installation-Ready™ Coupling	575.96	44.24
		For Work In Restricted Working Space, Add	*20.11*	
		For Galvanized Fittings, Add	*130.29*	
23 21 13 23-1957		**Grooved Strainers And Suction Diffusers** *(23 21 13 23-1468)*		
23 21 13 23-1958		**Grooved Wye Strainers** *(23 21 13 23-1957)*		
		Note: Victaulic Style 732		
23 21 13 23-1959	EA	2" Grooved Wye Strainer	2,670.11	31.72
		For Work In Restricted Working Space, Add	*14.13*	
23 21 13 23-1960	EA	2-1/2" Grooved Wye Strainer	2,812.60	38.49
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-1961	EA	3" Grooved Wye Strainer	3,164.13	46.13
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-1962	EA	4" Grooved Wye Strainer	3,594.68	61.56
		For Work In Restricted Working Space, Add	*27.55*	
23 21 13 23-1963	EA	5" Grooved Wye Strainer	5,188.92	76.99
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-1964	EA	6" Grooved Wye Strainer	5,658.78	100.05
		For Work In Restricted Working Space, Add	*45.05*	
23 21 13 23-1965	EA	8" Grooved Wye Strainer	8,623.72	119.22
		For Work In Restricted Working Space, Add	*53.63*	
23 21 13 23-1966	EA	10" Grooved Wye Strainer	13,784.22	139.40
		For Work In Restricted Working Space, Add	*62.57*	
23 21 13 23-1967	EA	12" Grooved Wye Strainer	23,965.83	167.37
		For Work In Restricted Working Space, Add	*75.08*	
23 21 13 23-1968		**Grooved Tee Type Strainers** *(23 21 13 23-1957)*		
		Note: Victaulic Style 730		
23 21 13 23-1969	EA	1-1/2" Grooved Tee Type Strainer	2,059.82	24.08
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-1970	EA	2" Grooved Tee Type Strainer	2,637.74	31.72
		For Work In Restricted Working Space, Add	*14.13*	
23 21 13 23-1971	EA	2-1/2" Grooved Tee Type Strainer	2,778.96	38.49
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-1972	EA	3" Grooved Tee Type Strainer	3,126.12	46.13
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-1973	EA	4" Grooved Tee Type Strainer	3,551.58	61.56
		For Work In Restricted Working Space, Add	*27.55*	
23 21 13 23-1974	EA	5" Grooved Tee Type Strainer	5,126.17	76.99
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-1975	EA	6" Grooved Tee Type Strainer	5,591.12	100.05
		For Work In Restricted Working Space, Add	*45.05*	
23 21 13 23-1976	EA	8" Grooved Tee Type Strainer	8,518.97	119.22
		For Work In Restricted Working Space, Add	*53.63*	
23 21 13 23-1977	EA	10" Grooved Tee Type Strainer	12,458.44	139.40
		For Work In Restricted Working Space, Add	*62.57*	
23 21 13 23-1978	EA	12" Grooved Tee Type Strainer	16,019.19	167.37
		For Work In Restricted Working Space, Add	*75.08*	
23 21 13 23-1979	EA	14" Grooved Tee Type Strainer	56,488.46	188.42
		For Work In Restricted Working Space, Add	*84.80*	
23 21 13 23-1980	EA	16" Grooved Tee Type Strainer	70,168.47	208.60
		For Work In Restricted Working Space, Add	*93.86*	
23 21 13 23-1981	EA	18" Grooved Tee Type Strainer	92,222.20	227.92
		For Work In Restricted Working Space, Add	*102.48*	
23 21 13 23-1982		**Grooved Suction Diffuser** *(23 21 13 23-1957)*		
		Note: Victaulic Style 731		
23 21 13 23-1983	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,431.74	35.61
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-1984	EA	3" Grooved x 2" Flanged Suction Diffuser	5,766.67	39.36
		For Work In Restricted Working Space, Add	*17.51*	
23 21 13 23-1985	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,172.37	46.13
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-1986	EA	3" Grooved x 3" Flanged Suction Diffuser	4,232.33	50.03
		For Work In Restricted Working Space, Add	*22.49*	
23 21 13 23-1987	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,583.16	50.03
		For Work In Restricted Working Space, Add	*22.49*	
23 21 13 23-1988	EA	4" Grooved x 3" Flanged Suction Diffuser	4,944.64	53.92
		For Work In Restricted Working Space, Add	*24.22*	
23 21 13 23-1989	EA	4" Grooved x 4" Flanged Suction Diffuser	5,714.10	53.92
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1990	EA	5" Grooved x 4" Flanged Suction Diffuser	6,382.77	69.20
		For Work In Restricted Working Space, Add	*31.14*	
23 21 13 23-1991	EA	5" Grooved x 5" Flanged Suction Diffuser	6,707.18	73.09
		For Work In Restricted Working Space, Add	*32.87*	
23 21 13 23-1992	EA	6" Grooved x 4" Flanged Suction Diffuser	6,815.81	80.74
		For Work In Restricted Working Space, Add	*36.33*	
23 21 13 23-1993	EA	6" Grooved x 5" Flanged Suction Diffuser	8,141.13	88.52
		For Work In Restricted Working Space, Add	*39.80*	
23 21 13 23-1994	EA	6" Grooved x 6" Flanged Suction Diffuser	8,456.56	94.29
		For Work In Restricted Working Space, Add	*42.38*	
23 21 13 23-1995	EA	8" Grooved x 5" Flanged Suction Diffuser	8,677.47	98.03
		For Work In Restricted Working Space, Add	*44.11*	
23 21 13 23-1996	EA	8" Grooved x 6" Flanged Suction Diffuser	9,159.61	109.56
		For Work In Restricted Working Space, Add	*49.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1997	EA	8" Grooved x 8" Flanged Suction Diffuser	15,658.50	119.22
		For Work In Restricted Working Space, Add	*53.63*	
23 21 13 23-1998	EA	10" Grooved x 8" Flanged Suction Diffuser	17,660.82	128.88
		For Work In Restricted Working Space, Add	*58.16*	
23 21 13 23-1999	EA	10" Grooved x 10" Flanged Suction Diffuser	21,248.16	133.64
		For Work In Restricted Working Space, Add	*60.10*	
23 21 13 23-2000	EA	12" Grooved x 10" Flanged Suction Diffuser	25,144.03	153.82
		For Work In Restricted Working Space, Add	*69.00*	
23 21 13 23-2001	EA	12" Grooved x 12" Flanged Suction Diffuser	34,899.03	163.48
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-2002	EA	14" Grooved x 10" Flanged Suction Diffuser	32,496.77	163.48
		For Work In Restricted Working Space, Add	*73.65*	
23 21 13 23-2003	EA	14" Grooved x 12" Flanged Suction Diffuser	36,293.27	177.89
		For Work In Restricted Working Space, Add	*79.91*	
23 21 13 23-2004	EA	14" Grooved x 14" Flanged Suction Diffuser	44,031.83	188.42
		For Work In Restricted Working Space, Add	*84.54*	
23 21 13 23-2005	EA	16" Grooved x 14" Flanged Suction Diffuser	45,331.89	198.08
		For Work In Restricted Working Space, Add	*89.21*	

23 21 13 23-2006 Grooved Steel Valves *(23 21 13 23-1468)*

23 21 13 23-2007 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2006)*

23 21 13 23-2008	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	295.76	15.72
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-2009	EA	2" Butterfly Valve, Grooved, With Standard Trim	303.20	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2010	EA	3" Butterfly Valve, Grooved, With Standard Trim	496.35	30.56
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2011	EA	4" Butterfly Valve, Grooved, With Standard Trim	666.40	40.22
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2012	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,446.87	65.89
		For Work In Restricted Working Space, Add	*29.64*	
23 21 13 23-2013	EA	8" Butterfly Valve, Grooved, With Standard Trim	2,005.62	92.69
		For Work In Restricted Working Space, Add	*41.72*	
23 21 13 23-2014	EA	10" Butterfly Valve, Grooved, With Standard Trim	3,007.01	125.28
		For Work In Restricted Working Space, Add	*56.31*	

23 21 13 23-2015 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2006)*

23 21 13 23-2016	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	441.58	15.72
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-2017	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	449.02	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2018	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	694.02	30.56
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2019	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	883.52	40.22
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2020	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,686.67	65.89
		For Work In Restricted Working Space, Add	*29.64*	
23 21 13 23-2021	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,796.32	92.69
		For Work In Restricted Working Space, Add	*41.72*	
23 21 13 23-2022	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,400.45	125.28
		For Work In Restricted Working Space, Add	*56.31*	

23 21 13 23-2023 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2006)*

Note: Victaulic No. 721

23 21 13 23-2024	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	250.43	15.43
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-2025	EA	2" Ball Valve, Grooved, With Standard Trim	287.84	21.19
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2026	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	649.54	25.95
		For Work In Restricted Working Space, Add	*11.67*	
23 21 13 23-2027	EA	3" Ball Valve, Grooved, With Standard Trim	1,060.90	30.71
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2028	EA	4" Ball Valve, Grooved, With Standard Trim	1,649.46	40.37
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2029	EA	6" Ball Valve, Grooved, With Standard Trim	5,107.50	66.32
		For Work In Restricted Working Space, Add	*29.64*	

23 21 13 23-2030 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2006)*

Note: Victaulic No. 721

23 21 13 23-2031	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	266.40	15.43
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-2032	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	453.63	21.19
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2033	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,172.31	25.95
		For Work In Restricted Working Space, Add	*11.67*	
23 21 13 23-2034	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,514.95	30.71
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2035	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,069.05	40.37
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2036	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,627.43	66.32
		For Work In Restricted Working Space, Add	*29.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2037		**Grooved Check Valves** *(23 21 13 23-2006)* Note: Victaulic No. 712		
23 21 13 23-2038	EA	2" Check Valve, Grooved	379.11	21.19
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2039	EA	2-1/2" Check Valve, Grooved	612.68	25.95
		For Work In Restricted Working Space, Add	*11.67*	
23 21 13 23-2040	EA	3" Check Valve, Grooved	714.01	30.71
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2041	EA	4" Check Valve, Grooved	1,010.97	40.37
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2042		**Grooved Vic-Check Check Valves** *(23 21 13 23-2006)* Note: Victaulic No. 716		
23 21 13 23-2043	EA	2-1/2" "Vic-Check" Check Valve, Grooved	491.44	25.95
		For Work In Restricted Working Space, Add	*11.67*	
23 21 13 23-2044	EA	3" "Vic-Check" Check Valve, Grooved	498.44	30.71
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2045	EA	4" "Vic-Check" Check Valve, Grooved	625.33	40.37
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2046	EA	6" "Vic-Check" Check Valve, Grooved	1,214.56	66.32
		For Work In Restricted Working Space, Add	*29.64*	
23 21 13 23-2047	EA	8" "Vic-Check" Check Valve, Grooved	1,662.45	92.26
		For Work In Restricted Working Space, Add	*41.24*	
23 21 13 23-2048	EA	10" "Vic-Check" Check Valve, Grooved	4,599.30	124.99
		For Work In Restricted Working Space, Add	*55.84*	
23 21 13 23-2049	EA	12" "Vic-Check" Check Valve, Grooved	5,445.06	144.31
		For Work In Restricted Working Space, Add	*64.43*	
23 21 13 23-2050		**Grooved Plug Valves With Lever Operator** *(23 21 13 23-2006)* Note: Victaulic No. 377		
23 21 13 23-2051	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,388.58	30.71
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2052	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,537.88	40.37
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2053	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,748.68	66.32
		For Work In Restricted Working Space, Add	*29.64*	
23 21 13 23-2054		**Grooved Plug Valve With Gear Operator** *(23 21 13 23-2006)* Note: Victaulic No. 377		
23 21 13 23-2055	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,471.43	30.71
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2056	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,620.82	40.37
		For Work In Restricted Working Space, Add	*18.12*	
23 21 13 23-2057	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,831.63	66.32
		For Work In Restricted Working Space, Add	*29.64*	
23 21 13 23-2058	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,123.71	92.26
		For Work In Restricted Working Space, Add	*41.24*	
23 21 13 23-2059	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,049.48	124.99
		For Work In Restricted Working Space, Add	*55.84*	
23 21 13 23-2060	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,668.31	144.31
		For Work In Restricted Working Space, Add	*64.43*	
23 21 13 23-2061		**Prepare Pipe For Groove** *(23 21 13 23-1468)*		
23 21 13 23-2062		**Cut Grooved Pipe** *(23 21 13 23-2061)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2063	EA	Cut 3/4" Groove Pipe	15.10	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-2064	EA	Cut 1" Groove Pipe	16.39	
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2065	EA	Cut 1-1/4" Groove Pipe	18.51	
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2066	EA	Cut 1-1/2" Groove Pipe	20.13	
		For Work In Restricted Working Space, Add	*6.04*	
23 21 13 23-2067	EA	Cut 2" Groove Pipe	22.07	
		For Work In Restricted Working Space, Add	*6.62*	
23 21 13 23-2068	EA	Cut 2-1/2" Groove Pipe	23.91	
		For Work In Restricted Working Space, Add	*7.17*	
23 21 13 23-2069	EA	Cut 3" Groove Pipe	26.08	
		For Work In Restricted Working Space, Add	*7.82*	
23 21 13 23-2070	EA	Cut 3-1/2" Groove Pipe	27.65	
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-2071	EA	Cut 4" Groove Pipe	29.43	
		For Work In Restricted Working Space, Add	*8.83*	
23 21 13 23-2072	EA	Cut 5" Groove Pipe	31.88	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2073	EA	Cut 6" Groove Pipe	32.80	
		For Work In Restricted Working Space, Add	*9.84*	
23 21 13 23-2074	EA	Cut 8" Groove Pipe	42.52	
		For Work In Restricted Working Space, Add	*12.76*	
23 21 13 23-2075	EA	Cut 10" Groove Pipe	60.41	
		For Work In Restricted Working Space, Add	*18.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2076	EA	Cut 12" Groove Pipe	76.52	
		For Work In Restricted Working Space, Add	*22.96*	
23 21 13 23-2077	EA	Cut 14" Groove Pipe	114.78	
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-2078	EA	Cut 16" Groove Pipe	120.82	
		For Work In Restricted Working Space, Add	*36.25*	
23 21 13 23-2079	EA	Cut 18" Groove Pipe	127.54	
		For Work In Restricted Working Space, Add	*38.26*	
23 21 13 23-2080	EA	Cut 20" Groove Pipe	135.04	
		For Work In Restricted Working Space, Add	*40.51*	
23 21 13 23-2081	EA	Cut 24" Groove Pipe	153.04	
		For Work In Restricted Working Space, Add	*45.91*	

23 21 13 23-2082 Roll Grooved Pipe *(23 21 13 23-2061)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2083	EA	Roll 3/4" Groove	8.63	
		For Work In Restricted Working Space, Add	*2.59*	
23 21 13 23-2084	EA	Roll 1" Groove	10.07	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-2085	EA	Roll 1-1/4" Groove	11.47	
		For Work In Restricted Working Space, Add	*3.44*	
23 21 13 23-2086	EA	Roll 1-1/2" Groove	12.89	
		For Work In Restricted Working Space, Add	*3.87*	
23 21 13 23-2087	EA	Roll 2" Groove	19.79	
		For Work In Restricted Working Space, Add	*5.94*	
23 21 13 23-2088	EA	Roll 2-1/2" Groove	20.87	
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-2089	EA	Roll 3" Groove	22.96	
		For Work In Restricted Working Space, Add	*6.89*	
23 21 13 23-2090	EA	Roll 3-1/2" Groove	24.42	
		For Work In Restricted Working Space, Add	*7.33*	
23 21 13 23-2091	EA	Roll 4" Groove	26.70	
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-2092	EA	Roll 5" Groove	27.33	
		For Work In Restricted Working Space, Add	*8.20*	
23 21 13 23-2093	EA	Roll 6" Groove	28.69	
		For Work In Restricted Working Space, Add	*8.61*	
23 21 13 23-2094	EA	Roll 8" Groove	34.78	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-2095	EA	Roll 10" Groove	39.58	
		For Work In Restricted Working Space, Add	*11.87*	
23 21 13 23-2096	EA	Roll 12" Groove	49.91	
		For Work In Restricted Working Space, Add	*14.97*	
23 21 13 23-2097	EA	Roll 14" Groove	76.52	
		For Work In Restricted Working Space, Add	*22.96*	
23 21 13 23-2098	EA	Roll 16" Groove	81.99	
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2099	EA	Roll 18" Groove	85.02	
		For Work In Restricted Working Space, Add	*25.51*	
23 21 13 23-2100	EA	Roll 20" Groove	91.83	
		For Work In Restricted Working Space, Add	*27.55*	
23 21 13 23-2101	EA	Roll 24" Groove	99.81	
		For Work In Restricted Working Space, Add	*29.94*	

23 21 13 23-2102 Standard Gaskets *(23 21 13 23-2061)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2103	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.25	
		For Work In Restricted Working Space, Add	*1.80*	
23 21 13 23-2104	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.45	
		For Work In Restricted Working Space, Add	*2.16*	
23 21 13 23-2105	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.53	
		For Work In Restricted Working Space, Add	*2.40*	
23 21 13 23-2106	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.46	
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-2107	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.32	
		For Work In Restricted Working Space, Add	*2.96*	
23 21 13 23-2108	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.21	
		For Work In Restricted Working Space, Add	*3.09*	
23 21 13 23-2109	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	26.76	
		For Work In Restricted Working Space, Add	*3.49*	
23 21 13 23-2110	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	31.95	
		For Work In Restricted Working Space, Add	*3.79*	
23 21 13 23-2111	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	32.66	
		For Work In Restricted Working Space, Add	*4.01*	
23 21 13 23-2112	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.96	
		For Work In Restricted Working Space, Add	*4.12*	
23 21 13 23-2113	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.68	
		For Work In Restricted Working Space, Add	*4.33*	
23 21 13 23-2114	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	55.67	
		For Work In Restricted Working Space, Add	*5.41*	
23 21 13 23-2115	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	68.29	
		For Work In Restricted Working Space, Add	*6.01*	
23 21 13 23-2116	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	81.82	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2117	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	115.46	
		For Work In Restricted Working Space, Add	*11.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2118	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	148.36	
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-2119	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	172.12	
		For Work In Restricted Working Space, Add	*12.72*	
23 21 13 23-2120	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	244.63	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2121	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	328.89	
		For Work In Restricted Working Space, Add	*15.45*	

23 21 13 23-2122 Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-2123 Grooved Fittings *(23 21 13 23-2122)*

23 21 13 23-2124 Grooved 90 Degree Elbows *(23 21 13 23-2123)*

23 21 13 23-2125	EA	2" Copper 90 Degree Elbow, Grooved	166.08	23.50
		For Work In Restricted Working Space, Add	*14.13*	
23 21 13 23-2126	EA	2-1/2" Copper 90 Degree Elbow, Grooved	186.15	28.69
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-2127	EA	3" Copper 90 Degree Elbow, Grooved	249.94	34.74
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-2128	EA	4" Copper 90 Degree Elbow, Grooved	505.84	45.84
		For Work In Restricted Working Space, Add	*27.55*	
23 21 13 23-2129	EA	5" Copper 90 Degree Elbow, Grooved	1,288.30	57.38
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-2130	EA	6" Copper 90 Degree Elbow, Grooved	2,022.93	75.11
		For Work In Restricted Working Space, Add	*45.05*	
23 21 13 23-2131	EA	8" Copper 90 Degree Elbow, Grooved	3,694.50	89.39
		For Work In Restricted Working Space, Add	*53.63*	

23 21 13 23-2132 Grooved 45 Degree Elbows *(23 21 13 23-2123)*

23 21 13 23-2133	EA	2" Copper 45 Degree Elbow, Grooved	166.08	23.50
		For Work In Restricted Working Space, Add	*14.13*	
23 21 13 23-2134	EA	2-1/2" Copper 45 Degree Elbow, Grooved	186.15	28.69
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-2135	EA	3" Copper 45 Degree Elbow, Grooved	249.94	34.74
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-2136	EA	4" Copper 45 Degree Elbow, Grooved	505.84	45.84
		For Work In Restricted Working Space, Add	*27.55*	
23 21 13 23-2137	EA	5" Copper 45 Degree Elbow, Grooved	1,288.30	57.38
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-2138	EA	6" Copper 45 Degree Elbow, Grooved	2,022.93	75.11
		For Work In Restricted Working Space, Add	*45.05*	
23 21 13 23-2139	EA	8" Copper 45 Degree Elbow, Grooved	3,694.50	89.39
		For Work In Restricted Working Space, Add	*53.63*	

23 21 13 23-2140 Grooved Tees *(23 21 13 23-2123)*

23 21 13 23-2141	EA	2" Copper Tee, Grooved	264.33	34.60
		For Work In Restricted Working Space, Add	*20.78*	
23 21 13 23-2142	EA	2-1/2" Copper Tee, Grooved	292.01	42.53
		For Work In Restricted Working Space, Add	*25.51*	
23 21 13 23-2143	EA	3" Copper Tee, Grooved	412.40	52.18
		For Work In Restricted Working Space, Add	*31.31*	
23 21 13 23-2144	EA	4" Copper Tee, Grooved	810.37	67.47
		For Work In Restricted Working Space, Add	*40.51*	
23 21 13 23-2145	EA	5" Copper Tee, Grooved	3,148.33	88.23
		For Work In Restricted Working Space, Add	*52.97*	
23 21 13 23-2146	EA	6" Copper Tee, Grooved	2,555.41	110.43
		For Work In Restricted Working Space, Add	*66.25*	
23 21 13 23-2147	EA	8" Copper Tee, Grooved	4,436.92	134.07
		For Work In Restricted Working Space, Add	*80.45*	

23 21 13 23-2148 Grooved Reducing Tees *(23 21 13 23-2123)*

23 21 13 23-2149	EA	2-1/2" Copper Tee, Reducing, Grooved	393.60	42.53
		For Work In Restricted Working Space, Add	*25.51*	
23 21 13 23-2150	EA	3" Copper Tee, Reducing, Grooved	628.10	52.18
		For Work In Restricted Working Space, Add	*31.31*	
23 21 13 23-2151	EA	4" Copper Tee, Reducing, Grooved	1,022.26	67.61
		For Work In Restricted Working Space, Add	*40.51*	
23 21 13 23-2152	EA	5" Copper Tee, Reducing, Grooved	2,884.41	88.37
		For Work In Restricted Working Space, Add	*52.97*	
23 21 13 23-2153	EA	6" Copper Tee, Reducing, Grooved	3,526.83	110.43
		For Work In Restricted Working Space, Add	*66.25*	

23 21 13 23-2154 Grooved X Cup Reducing Tees *(23 21 13 23-2123)*

23 21 13 23-2155	EA	2" Copper Tee, Reducing, Grooved X Cup	318.66	34.60
		For Work In Restricted Working Space, Add	*20.78*	
23 21 13 23-2156	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	394.71	42.53
		For Work In Restricted Working Space, Add	*25.51*	
23 21 13 23-2157	EA	3" Copper Tee, Reducing, Grooved X Cup	676.99	52.18
		For Work In Restricted Working Space, Add	*31.31*	
23 21 13 23-2158	EA	4" Copper Tee, Reducing, Grooved X Cup	1,022.26	67.47
		For Work In Restricted Working Space, Add	*40.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-2159 Grooved Flanged Adapter Nipples *(23 21 13 23-2123)*

23 21 13 23-2160	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	564.52	25.52
		For Work In Restricted Working Space, Add	*15.36*	
23 21 13 23-2161	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	596.57	30.99
		For Work In Restricted Working Space, Add	*18.61*	
23 21 13 23-2162	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	634.04	37.05
		For Work In Restricted Working Space, Add	*22.22*	
23 21 13 23-2163	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	713.71	49.89
		For Work In Restricted Working Space, Add	*29.94*	
23 21 13 23-2164	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	946.05	60.40
		For Work In Restricted Working Space, Add	*36.25*	
23 21 13 23-2165	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,061.20	81.59
		For Work In Restricted Working Space, Add	*48.97*	

23 21 13 23-2166 Grooved Concentric Reducers *(23 21 13 23-2123)*

23 21 13 23-2167	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	223.22	26.23
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-2168	EA	3" x 2" Copper Concentric Reducer, Grooved	228.98	29.27
		For Work In Restricted Working Space, Add	*17.51*	
23 21 13 23-2169	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	240.16	34.74
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-2170	EA	4" x 2" Copper Concentric Reducer, Grooved	418.75	35.03
		For Work In Restricted Working Space, Add	*20.98*	
23 21 13 23-2171	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	423.80	37.48
		For Work In Restricted Working Space, Add	*22.49*	
23 21 13 23-2172	EA	4" x 3" Copper Concentric Reducer, Grooved	429.56	40.37
		For Work In Restricted Working Space, Add	*24.22*	
23 21 13 23-2173	EA	5" x 3" Copper Concentric Reducer, Grooved	1,073.47	46.13
		For Work In Restricted Working Space, Add	*27.68*	
23 21 13 23-2174	EA	5" x 4" Copper Concentric Reducer, Grooved	1,085.00	51.90
		For Work In Restricted Working Space, Add	*31.14*	
23 21 13 23-2175	EA	6" x 3" Copper Concentric Reducer, Grooved	1,171.73	54.78
		For Work In Restricted Working Space, Add	*32.87*	
23 21 13 23-2176	EA	6" x 4" Copper Concentric Reducer, Grooved	1,183.25	60.55
		For Work In Restricted Working Space, Add	*36.33*	
23 21 13 23-2177	EA	6" x 5" Copper Concentric Reducer, Grooved	1,194.80	66.32
		For Work In Restricted Working Space, Add	*39.80*	
23 21 13 23-2178	EA	8" x 6" Copper Concentric Reducer, Grooved	2,028.42	82.18
		For Work In Restricted Working Space, Add	*49.30*	

23 21 13 23-2179 Grooved X Cup Concentric Reducers *(23 21 13 23-2123)*

23 21 13 23-2180	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	178.03	18.45
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-2181	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	179.47	19.18
		For Work In Restricted Working Space, Add	*11.46*	
23 21 13 23-2182	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	183.89	21.33
		For Work In Restricted Working Space, Add	*12.79*	
23 21 13 23-2183	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	213.96	20.62
		For Work In Restricted Working Space, Add	*12.35*	
23 21 13 23-2184	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	215.40	21.33
		For Work In Restricted Working Space, Add	*12.79*	
23 21 13 23-2185	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	219.63	23.50
		For Work In Restricted Working Space, Add	*14.06*	
23 21 13 23-2186	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	225.40	26.23
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-2187	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	267.21	26.23
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-2188	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	272.97	29.27
		For Work In Restricted Working Space, Add	*17.51*	
23 21 13 23-2189	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	468.19	34.88
		For Work In Restricted Working Space, Add	*20.98*	

23 21 13 23-2190 Grooved Standard Couplings *(23 21 13 23-2123)*

23 21 13 23-2191	EA	2" Copper Standard Coupling, Grooved	64.57	11.83
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-2192	EA	2-1/2" Copper Standard Coupling, Grooved	75.71	14.42
		For Work In Restricted Working Space, Add	*8.61*	
23 21 13 23-2193	EA	3" Copper Standard Coupling, Grooved	86.01	17.16
		For Work In Restricted Working Space, Add	*10.28*	
23 21 13 23-2194	EA	4" Copper Standard Coupling, Grooved	125.12	23.07
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2195	EA	5" Copper Standard Coupling, Grooved	192.14	28.69
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-2196	EA	6" Copper Standard Coupling, Grooved	253.07	37.48
		For Work In Restricted Working Space, Add	*22.53*	
23 21 13 23-2197	EA	8" Copper Standard Coupling, Grooved	366.47	44.69
		For Work In Restricted Working Space, Add	*26.82*	

23 21 13 23-2198 Grooved Caps *(23 21 13 23-2123)*

23 21 13 23-2199	EA	2" Copper Cap, Grooved	105.57	11.83
		For Work In Restricted Working Space, Add	*7.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2200	EA	2-1/2" Copper Cap, Grooved	150.40	14.42
		For Work In Restricted Working Space, Add	*8.61*	
23 21 13 23-2201	EA	3" Copper Cap, Grooved	185.29	17.16
		For Work In Restricted Working Space, Add	*10.28*	
23 21 13 23-2202	EA	4" Copper Cap, Grooved	272.47	22.93
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-2203	EA	5" Copper Cap, Grooved	459.09	28.69
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-2204	EA	6" Copper Cap, Grooved	537.44	37.48
		For Work In Restricted Working Space, Add	*22.53*	

23 21 13 23-2205 Grooved Valves *(23 21 13 23-2122)*

23 21 13 23-2206 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2205)*

Note: Copper body.

23 21 13 23-2207	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	486.49	15.43
		For Work In Restricted Working Space, Add	*9.30*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2208	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	556.10	22.93
		For Work In Restricted Working Space, Add	*13.77*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2209	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	735.03	30.13
		For Work In Restricted Working Space, Add	*18.12*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2210	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	985.52	49.45
		For Work In Restricted Working Space, Add	*29.64*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2211	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,094.27	69.48
		For Work In Restricted Working Space, Add	*41.72*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2212 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2205)*

Note: Copper body.

23 21 13 23-2213	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	592.55	15.43
		For Work In Restricted Working Space, Add	*9.30*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2214	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	662.23	22.93
		For Work In Restricted Working Space, Add	*13.77*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2215	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	841.16	30.13
		For Work In Restricted Working Space, Add	*18.12*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2216	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,091.72	49.45
		For Work In Restricted Working Space, Add	*29.64*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2217	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,200.40	69.48
		For Work In Restricted Working Space, Add	*41.72*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2218 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-2219 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2218)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2220 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2219)*

23 21 13 23-2221	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.62	4.12
		For Work In Restricted Working Space, Add	*1.86*	
23 21 13 23-2222	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.28	5.14
		For Work In Restricted Working Space, Add	*2.32*	
23 21 13 23-2223	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.04	5.49
		For Work In Restricted Working Space, Add	*2.47*	
23 21 13 23-2224	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.91	5.91
		For Work In Restricted Working Space, Add	*2.66*	
23 21 13 23-2225	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.21	6.01
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-2226	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.43	7.20
		For Work In Restricted Working Space, Add	*3.24*	
23 21 13 23-2227	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.39	8.55
		For Work In Restricted Working Space, Add	*3.84*	
23 21 13 23-2228	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	18.86	10.33
		For Work In Restricted Working Space, Add	*4.65*	
23 21 13 23-2229	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	28.07	15.50
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2230	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	39.41	20.68
		For Work In Restricted Working Space, Add	*9.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2231		LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	49.73	24.64
			For Work In Restricted Working Space, Add	*11.09*	
23 21 13 23-2232		LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	80.33	27.52
			For Work In Restricted Working Space, Add	*12.37*	

23 21 13 23-2233 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2219)*

23 21 13 23-2234		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	24.12	15.57
			For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2235		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	32.22	20.62
			For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2236		EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	40.62	25.66
			For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2237		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	58.41	36.33
			For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2238		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	65.62	40.94
			For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2239		EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	84.64	52.04
			For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2240		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	135.74	76.99
			For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2241		EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	176.26	101.20
			For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2242		EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	223.98	120.24
			For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2243		EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	310.78	137.39
			For Work In Restricted Working Space, Add	*61.78*	
23 21 13 23-2244		EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	510.21	160.31
			For Work In Restricted Working Space, Add	*72.08*	
23 21 13 23-2245		EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	762.78	239.02
			For Work In Restricted Working Space, Add	*107.48*	

23 21 13 23-2246 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2219)*

23 21 13 23-2247		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.56	15.57
			For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2248		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.09	20.62
			For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2249		EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	41.84	25.66
			For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2250		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	59.20	36.33
			For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2251		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	67.37	40.94
			For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2252		EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	85.77	52.04
			For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2253		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	135.74	76.99
			For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2254		EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	183.58	101.20
			For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2255		EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	237.33	120.24
			For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2256		EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	312.00	137.39
			For Work In Restricted Working Space, Add	*61.78*	
23 21 13 23-2257		EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	495.47	160.31
			For Work In Restricted Working Space, Add	*72.08*	
23 21 13 23-2258		EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	762.78	239.02
			For Work In Restricted Working Space, Add	*107.48*	

23 21 13 23-2259 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2219)*

23 21 13 23-2260		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	39.49	25.66
			For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2261		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	47.64	30.99
			For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-2262		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	63.53	40.94
			For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2263		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	81.41	52.04
			For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2264		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	97.28	61.99
			For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-2265		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	121.52	76.99
			For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2266		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	172.33	101.20
			For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2267		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	207.15	120.24
			For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2268		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	289.11	160.31
			For Work In Restricted Working Space, Add	*72.08*	
23 21 13 23-2269		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	474.70	206.73
			For Work In Restricted Working Space, Add	*93.01*	
23 21 13 23-2270		EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	766.44	256.46
			For Work In Restricted Working Space, Add	*115.33*	
23 21 13 23-2271		EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	2,069.36	383.18
			For Work In Restricted Working Space, Add	*172.36*	

23 21 13 23-2272 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2219)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2273	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	49.69	32.00
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	59.91	38.77
		For Work In Restricted Working Space, Add	*17.44*	
23 21 13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	80.10	51.18
		For Work In Restricted Working Space, Add	*23.00*	
23 21 13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	102.88	65.02
		For Work In Restricted Working Space, Add	*29.22*	
23 21 13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	122.96	77.56
		For Work In Restricted Working Space, Add	*34.88*	
23 21 13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	153.87	96.16
		For Work In Restricted Working Space, Add	*43.25*	
23 21 13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	221.96	126.58
		For Work In Restricted Working Space, Add	*56.91*	
23 21 13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	267.50	150.22
		For Work In Restricted Working Space, Add	*67.58*	
23 21 13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	376.91	200.39
		For Work In Restricted Working Space, Add	*90.10*	
23 21 13 23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	645.50	258.34
		For Work In Restricted Working Space, Add	*116.21*	
23 21 13 23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,079.13	320.33
		For Work In Restricted Working Space, Add	*144.09*	
23 21 13 23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	3,061.80	479.20
		For Work In Restricted Working Space, Add	*215.55*	

23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2219)*

23 21 13 23-2286	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	24.90	15.86
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-2287	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	32.52	20.33
		For Work In Restricted Working Space, Add	*9.26*	
23 21 13 23-2288	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	43.44	27.25
		For Work In Restricted Working Space, Add	*12.38*	
23 21 13 23-2289	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	53.71	33.88
		For Work In Restricted Working Space, Add	*15.43*	
23 21 13 23-2290	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	65.74	40.80
		For Work In Restricted Working Space, Add	*18.57*	
23 21 13 23-2291	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	91.99	56.66
		For Work In Restricted Working Space, Add	*25.77*	
23 21 13 23-2292	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	127.86	78.28
		For Work In Restricted Working Space, Add	*35.61*	
23 21 13 23-2293	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	168.21	97.31
		For Work In Restricted Working Space, Add	*44.26*	
23 21 13 23-2294	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	222.98	113.31
		For Work In Restricted Working Space, Add	*51.49*	
23 21 13 23-2295	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	493.69	130.90
		For Work In Restricted Working Space, Add	*59.50*	
23 21 13 23-2296	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	593.90	175.59
		For Work In Restricted Working Space, Add	*79.80*	

23 21 13 23-2297 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2219)*

23 21 13 23-2298	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	25.08	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2299	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	32.83	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2300	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	40.71	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2301	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	57.89	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2302	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	65.36	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2303	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	83.41	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2304	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	123.27	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2305	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	160.91	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2306	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	200.87	120.24
		For Work In Restricted Working Space, Add	*54.06*	

23 21 13 23-2307 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2219)*

23 21 13 23-2308	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	25.69	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2309	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.44	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2310	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	41.93	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2311	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	58.59	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2312	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	66.93	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2313	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	84.81	52.04
		For Work In Restricted Working Space, Add	*23.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2314	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	124.84	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2315	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	165.71	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2316	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	198.08	120.24
		For Work In Restricted Working Space, Add	*54.06*	

23 21 13 23-2317 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2219)*

23 21 13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	24.12	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	32.13	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	39.75	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	56.49	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	63.79	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	81.23	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	129.72	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	171.11	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	212.20	120.24
		For Work In Restricted Working Space, Add	*54.06*	

23 21 13 23-2327 Schedule 40 Polyvinyl Chloride (PVC) P-Traps *(23 21 13 23-2219)*

23 21 13 23-2328	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	38.09	21.19
		For Work In Restricted Working Space, Add	*9.52*	

23 21 13 23-2329 Schedule 40 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2219)*

23 21 13 23-2330	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	23.77	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2331	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	31.70	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2332	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	39.75	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2333	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	56.14	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2334	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	63.27	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2335	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	80.88	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2336	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	121.96	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2337	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	162.13	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2338	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	195.29	120.24
		For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2339	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	253.73	137.39
		For Work In Restricted Working Space, Add	*61.78*	
23 21 13 23-2340	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	329.58	160.31
		For Work In Restricted Working Space, Add	*72.08*	
23 21 13 23-2341	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	667.45	171.85
		For Work In Restricted Working Space, Add	*77.26*	

23 21 13 23-2342 Schedule 40 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2219)*

23 21 13 23-2343	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	45.50	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2344	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	61.25	30.99
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-2345	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	77.83	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2346	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	118.04	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2347	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	134.87	61.99
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-2348	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	171.76	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2349	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	254.14	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2350	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	288.70	120.24
		For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2351	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	455.43	160.31
		For Work In Restricted Working Space, Add	*72.08*	
23 21 13 23-2352	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	598.32	206.73
		For Work In Restricted Working Space, Add	*92.97*	
23 21 13 23-2353	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	860.08	256.32
		For Work In Restricted Working Space, Add	*115.27*	
23 21 13 23-2354	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,261.43	318.16
		For Work In Restricted Working Space, Add	*143.13*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2355		**Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2219)*			
23 21 13 23-2356	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps		11.26	6.98
		For Work In Restricted Working Space, Add		*3.17*	
23 21 13 23-2357	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps		14.82	9.22
		For Work In Restricted Working Space, Add		*4.19*	
23 21 13 23-2358	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps		18.70	11.39
		For Work In Restricted Working Space, Add		*5.19*	
23 21 13 23-2359	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps		26.63	16.30
		For Work In Restricted Working Space, Add		*7.41*	
23 21 13 23-2360	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps		29.69	18.17
		For Work In Restricted Working Space, Add		*8.28*	
23 21 13 23-2361	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps		37.59	23.21
		For Work In Restricted Working Space, Add		*10.52*	
23 21 13 23-2362	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps		60.19	34.31
		For Work In Restricted Working Space, Add		*15.57*	
23 21 13 23-2363	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps		77.27	45.13
		For Work In Restricted Working Space, Add		*20.49*	
23 21 13 23-2364	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps		101.67	53.48
		For Work In Restricted Working Space, Add		*24.33*	
23 21 13 23-2365	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps		141.96	61.13
		For Work In Restricted Working Space, Add		*27.80*	
23 21 13 23-2366	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps		272.96	71.36
		For Work In Restricted Working Space, Add		*32.44*	
23 21 13 23-2367	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps		771.14	106.39
		For Work In Restricted Working Space, Add		*48.37*	
23 21 13 23-2368		**Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges** *(23 21 13 23-2219)*			
23 21 13 23-2369	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges		55.97	25.66
		For Work In Restricted Working Space, Add		*11.53*	
23 21 13 23-2370	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		73.37	30.99
		For Work In Restricted Working Space, Add		*13.95*	
23 21 13 23-2371	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		91.26	40.94
		For Work In Restricted Working Space, Add		*18.41*	
23 21 13 23-2372	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		108.71	52.04
		For Work In Restricted Working Space, Add		*23.38*	
23 21 13 23-2373	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		124.49	61.99
		For Work In Restricted Working Space, Add		*27.90*	
23 21 13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		157.19	76.99
		For Work In Restricted Working Space, Add		*34.60*	
23 21 13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		216.38	101.20
		For Work In Restricted Working Space, Add		*45.53*	
23 21 13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		251.54	120.24
		For Work In Restricted Working Space, Add		*54.06*	
23 21 13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		330.62	160.31
		For Work In Restricted Working Space, Add		*72.08*	
23 21 13 23-2378	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		451.97	206.73
		For Work In Restricted Working Space, Add		*92.97*	
23 21 13 23-2379	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		704.75	256.32
		For Work In Restricted Working Space, Add		*115.27*	
23 21 13 23-2380	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges		1,198.75	317.73
		For Work In Restricted Working Space, Add		*142.91*	
23 21 13 23-2381		**Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23-2218)*			
		Note: ASTM D1785 with D2467 fittings.			
23 21 13 23-2382		**Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe** *(23 21 13 23-2381)*			
23 21 13 23-2383	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		6.74	4.18
		For Work In Restricted Working Space, Add		*1.86*	
23 21 13 23-2384	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		8.44	5.19
		For Work In Restricted Working Space, Add		*2.32*	
23 21 13 23-2385	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		10.32	6.20
		For Work In Restricted Working Space, Add		*2.78*	
23 21 13 23-2386	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		12.25	7.21
		For Work In Restricted Working Space, Add		*3.25*	
23 21 13 23-2387	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		14.06	8.22
		For Work In Restricted Working Space, Add		*3.71*	
23 21 13 23-2388	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		17.97	10.38
		For Work In Restricted Working Space, Add		*4.65*	
23 21 13 23-2389	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		20.71	11.39
		For Work In Restricted Working Space, Add		*5.12*	
23 21 13 23-2390	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		23.45	12.40
		For Work In Restricted Working Space, Add		*5.58*	
23 21 13 23-2391	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		30.37	15.57
		For Work In Restricted Working Space, Add		*6.98*	
23 21 13 23-2392	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		44.53	20.62
		For Work In Restricted Working Space, Add		*9.30*	
23 21 13 23-2393	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		57.58	24.65
		For Work In Restricted Working Space, Add		*11.09*	
23 21 13 23-2394	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe		103.33	26.53
		For Work In Restricted Working Space, Add		*11.94*	
23 21 13 23-2395		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(23 21 13 23-2381)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2396	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.39	15.57
		For Work In Restricted Working Space, Add	*6.98*	
		For Threaded Fittings, Add	*3.49*	
23 21 13 23-2397	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	35.10	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Threaded Fittings, Add	*4.65*	
23 21 13 23-2398	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	45.07	25.66
		For Work In Restricted Working Space, Add	*11.53*	
		For Threaded Fittings, Add	*5.77*	
23 21 13 23-2399	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	63.21	36.33
		For Work In Restricted Working Space, Add	*16.32*	
		For Threaded Fittings, Add	*8.16*	
23 21 13 23-2400	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	70.77	40.94
		For Work In Restricted Working Space, Add	*18.41*	
		For Threaded Fittings, Add	*9.20*	
23 21 13 23-2401	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	89.35	52.04
		For Work In Restricted Working Space, Add	*23.38*	
		For Threaded Fittings, Add	*11.69*	
23 21 13 23-2402	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	142.11	76.99
		For Work In Restricted Working Space, Add	*34.60*	
		For Threaded Fittings, Add	*17.30*	
23 21 13 23-2403	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	181.84	101.20
		For Work In Restricted Working Space, Add	*45.53*	
		For Threaded Fittings, Add	*22.76*	
23 21 13 23-2404	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	225.90	120.24
		For Work In Restricted Working Space, Add	*54.06*	
		For Threaded Fittings, Add	*27.03*	
23 21 13 23-2405	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	371.04	137.39
		For Work In Restricted Working Space, Add	*61.78*	
		For Threaded Fittings, Add	*30.89*	
23 21 13 23-2406	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	599.17	160.31
		For Work In Restricted Working Space, Add	*72.08*	
		For Threaded Fittings, Add	*36.04*	
23 21 13 23-2407	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	762.78	239.02
		For Work In Restricted Working Space, Add	*107.48*	
		For Threaded Fittings, Add	*53.74*	

23 21 13 23-2408 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2381)*

23 21 13 23-2409	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	29.27	15.57
		For Work In Restricted Working Space, Add	*6.98*	
		For Threaded Fittings, Add	*3.49*	
23 21 13 23-2410	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	40.16	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Threaded Fittings, Add	*4.65*	
23 21 13 23-2411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	52.22	25.66
		For Work In Restricted Working Space, Add	*11.53*	
		For Threaded Fittings, Add	*5.77*	
23 21 13 23-2412	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	72.02	36.33
		For Work In Restricted Working Space, Add	*16.32*	
		For Threaded Fittings, Add	*8.16*	
23 21 13 23-2413	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	82.11	40.94
		For Work In Restricted Working Space, Add	*18.41*	
		For Threaded Fittings, Add	*9.20*	
23 21 13 23-2414	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	104.87	52.04
		For Work In Restricted Working Space, Add	*23.38*	
		For Threaded Fittings, Add	*11.69*	
23 21 13 23-2415	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	172.03	76.99
		For Work In Restricted Working Space, Add	*34.60*	
		For Threaded Fittings, Add	*17.30*	
23 21 13 23-2416	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	220.74	101.20
		For Work In Restricted Working Space, Add	*45.53*	
		For Threaded Fittings, Add	*22.76*	
23 21 13 23-2417	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	304.49	120.24
		For Work In Restricted Working Space, Add	*54.06*	
		For Threaded Fittings, Add	*27.03*	
23 21 13 23-2418	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	362.42	137.39
		For Work In Restricted Working Space, Add	*61.78*	
		For Threaded Fittings, Add	*30.89*	
23 21 13 23-2419	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	579.57	160.31
		For Work In Restricted Working Space, Add	*72.08*	
		For Threaded Fittings, Add	*36.04*	
23 21 13 23-2420	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	740.74	239.02
		For Work In Restricted Working Space, Add	*107.48*	
		For Threaded Fittings, Add	*53.74*	

23 21 13 23-2421 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2381)*

23 21 13 23-2422	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	45.48	24.37
		For Work In Restricted Working Space, Add	*10.95*	
		For Threaded Fittings, Add	*5.48*	
23 21 13 23-2423	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	55.93	30.99
		For Work In Restricted Working Space, Add	*13.95*	
		For Threaded Fittings, Add	*6.98*	
23 21 13 23-2424	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	73.13	40.94
		For Work In Restricted Working Space, Add	*18.41*	
		For Threaded Fittings, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2425	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	110.46	52.04
		For Work In Restricted Working Space, Add	*23.38*	
		For Threaded Fittings, Add	*11.69*	
23 21 13 23-2426	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	125.55	61.99
		For Work In Restricted Working Space, Add	*27.90*	
		For Threaded Fittings, Add	*13.95*	
23 21 13 23-2427	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	156.06	76.99
		For Work In Restricted Working Space, Add	*34.60*	
		For Threaded Fittings, Add	*17.30*	
23 21 13 23-2428	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	196.06	101.20
		For Work In Restricted Working Space, Add	*45.53*	
		For Threaded Fittings, Add	*22.76*	
23 21 13 23-2429	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	235.50	120.24
		For Work In Restricted Working Space, Add	*54.06*	
		For Threaded Fittings, Add	*27.03*	
23 21 13 23-2430	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	304.38	160.31
		For Work In Restricted Working Space, Add	*72.08*	
		For Threaded Fittings, Add	*36.04*	
23 21 13 23-2431	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	529.05	206.73
		For Work In Restricted Working Space, Add	*93.01*	
		For Threaded Fittings, Add	*46.50*	
23 21 13 23-2432	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	892.42	256.46
		For Work In Restricted Working Space, Add	*115.33*	
		For Threaded Fittings, Add	*57.66*	
23 21 13 23-2433	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	2,069.46	383.18
		For Work In Restricted Working Space, Add	*172.36*	
		For Threaded Fittings, Add	*86.18*	

23 21 13 23-2434 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2381)*

23 21 13 23-2435	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	59.70	30.42
		For Work In Restricted Working Space, Add	*13.69*	
		For Threaded Fittings, Add	*6.84*	
23 21 13 23-2436	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	72.89	38.77
		For Work In Restricted Working Space, Add	*17.44*	
		For Threaded Fittings, Add	*8.72*	
23 21 13 23-2437	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	95.13	51.18
		For Work In Restricted Working Space, Add	*23.00*	
		For Threaded Fittings, Add	*11.50*	
23 21 13 23-2438	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	148.41	65.02
		For Work In Restricted Working Space, Add	*29.22*	
		For Threaded Fittings, Add	*14.61*	
23 21 13 23-2439	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	167.26	77.56
		For Work In Restricted Working Space, Add	*34.88*	
		For Threaded Fittings, Add	*17.44*	
23 21 13 23-2440	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	208.01	96.16
		For Work In Restricted Working Space, Add	*43.25*	
		For Threaded Fittings, Add	*21.62*	
23 21 13 23-2441	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	259.16	126.58
		For Work In Restricted Working Space, Add	*56.91*	
		For Threaded Fittings, Add	*28.45*	
23 21 13 23-2442	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	311.95	150.22
		For Work In Restricted Working Space, Add	*67.58*	
		For Threaded Fittings, Add	*33.79*	
23 21 13 23-2443	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	400.84	200.39
		For Work In Restricted Working Space, Add	*90.10*	
		For Threaded Fittings, Add	*45.05*	
23 21 13 23-2444	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	730.71	258.34
		For Work In Restricted Working Space, Add	*116.21*	
		For Threaded Fittings, Add	*58.11*	
23 21 13 23-2445	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,276.62	320.33
		For Work In Restricted Working Space, Add	*144.09*	
		For Threaded Fittings, Add	*72.04*	
23 21 13 23-2446	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	3,061.96	479.20
		For Work In Restricted Working Space, Add	*215.55*	
		For Threaded Fittings, Add	*107.78*	

23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2381)*

23 21 13 23-2448	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	32.83	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2449	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	43.76	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2450	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	62.77	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2451	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	72.77	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2452	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	94.23	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2453	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	143.59	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2454	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	196.67	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2455	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	242.47	120.24
		For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2456	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	275.01	137.39
		For Work In Restricted Working Space, Add	*61.78*	
23 21 13 23-2457	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	393.59	160.31
		For Work In Restricted Working Space, Add	*72.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2458	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	607.06	186.11
		For Work In Restricted Working Space, Add	*83.74*	

23 21 13 23-2459 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2381)*

23 21 13 23-2460	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	23.86	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2461	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.40	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2462	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	43.76	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2463	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	65.21	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2464	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	74.96	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2465	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	94.58	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2466	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	150.56	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2467	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	216.99	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2468	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	280.50	120.24
		For Work In Restricted Working Space, Add	*54.06*	

23 21 13 23-2469 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2381)*

23 21 13 23-2470	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	30.66	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2471	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	39.20	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2472	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	52.74	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2473	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	71.15	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2474	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	85.42	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2475	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	109.32	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2476	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	151.09	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2477	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	191.43	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2478	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	250.76	120.24
		For Work In Restricted Working Space, Add	*54.06*	

23 21 13 23-2479 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2381)*

23 21 13 23-2480	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	28.66	15.57
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2481	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	39.02	20.62
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-2482	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	50.30	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2483	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	73.67	36.33
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2484	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	84.99	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2485	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	119.09	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2486	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	180.39	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2487	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	225.01	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2488	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	306.14	120.24
		For Work In Restricted Working Space, Add	*54.06*	

23 21 13 23-2489 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2381)*

23 21 13 23-2490	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	29.01	15.57
		For Work In Restricted Working Space, Add	*6.98*	
		For Threaded Fittings, Add	*3.49*	
23 21 13 23-2491	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	38.76	20.62
		For Work In Restricted Working Space, Add	*9.30*	
		For Threaded Fittings, Add	*4.65*	
23 21 13 23-2492	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	46.46	25.66
		For Work In Restricted Working Space, Add	*11.53*	
		For Threaded Fittings, Add	*5.77*	
23 21 13 23-2493	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	66.70	36.33
		For Work In Restricted Working Space, Add	*16.32*	
		For Threaded Fittings, Add	*8.16*	
23 21 13 23-2494	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	74.61	40.94
		For Work In Restricted Working Space, Add	*18.41*	
		For Threaded Fittings, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2495	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	92.05	52.04
		For Work In Restricted Working Space, Add	*23.38*	
		For Threaded Fittings, Add	*11.69*	
23 21 13 23-2496	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	150.30	76.99
		For Work In Restricted Working Space, Add	*34.60*	
		For Threaded Fittings, Add	*17.30*	
23 21 13 23-2497	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	191.96	101.20
		For Work In Restricted Working Space, Add	*45.53*	
		For Threaded Fittings, Add	*22.76*	
23 21 13 23-2498	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	230.61	120.24
		For Work In Restricted Working Space, Add	*54.06*	
		For Threaded Fittings, Add	*27.03*	
23 21 13 23-2499	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	314.35	137.39
		For Work In Restricted Working Space, Add	*61.78*	
		For Threaded Fittings, Add	*30.89*	
23 21 13 23-2500	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	387.84	160.31
		For Work In Restricted Working Space, Add	*72.08*	
		For Threaded Fittings, Add	*36.04*	
23 21 13 23-2501	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	693.62	171.85
		For Work In Restricted Working Space, Add	*77.26*	
		For Threaded Fittings, Add	*38.63*	

23 21 13 23-2502 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2381)*

23 21 13 23-2503	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	51.35	25.66
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-2504	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	61.42	30.99
		For Work In Restricted Working Space, Add	*13.95*	
23 21 13 23-2505	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	78.36	40.94
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2506	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	120.48	52.04
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-2507	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	147.78	61.99
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-2508	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	189.55	76.99
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-2509	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	289.95	101.20
		For Work In Restricted Working Space, Add	*45.53*	
23 21 13 23-2510	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	358.33	120.24
		For Work In Restricted Working Space, Add	*54.06*	
23 21 13 23-2511	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	455.95	160.31
		For Work In Restricted Working Space, Add	*72.08*	
23 21 13 23-2512	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	598.32	206.73
		For Work In Restricted Working Space, Add	*92.97*	
23 21 13 23-2513	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	860.08	256.32
		For Work In Restricted Working Space, Add	*115.27*	
23 21 13 23-2514	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,260.68	317.73
		For Work In Restricted Working Space, Add	*142.91*	

23 21 13 23-2515 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2381)*

23 21 13 23-2516	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	55.74	32.03
23 21 13 23-2517	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	66.25	37.05
23 21 13 23-2518	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	79.99	43.68
23 21 13 23-2519	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	105.43	52.04
23 21 13 23-2520	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	126.92	61.99
23 21 13 23-2521	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	167.10	76.99
23 21 13 23-2522	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	354.90	149.21
23 21 13 23-2523	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	385.70	165.49

23 21 13 23-2524 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2381)*

23 21 13 23-2525	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	18.57	6.92
		For Work In Restricted Working Space, Add	*3.14*	
		For Threaded Fittings, Add	*1.57*	
23 21 13 23-2526	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	22.50	9.22
		For Work In Restricted Working Space, Add	*4.19*	
		For Threaded Fittings, Add	*2.09*	
23 21 13 23-2527	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	32.47	11.39
		For Work In Restricted Working Space, Add	*5.19*	
		For Threaded Fittings, Add	*2.60*	
23 21 13 23-2528	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	42.80	16.15
		For Work In Restricted Working Space, Add	*7.34*	
		For Threaded Fittings, Add	*3.67*	
23 21 13 23-2529	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	45.92	18.17
		For Work In Restricted Working Space, Add	*8.28*	
		For Threaded Fittings, Add	*4.14*	
23 21 13 23-2530	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	62.53	23.21
		For Work In Restricted Working Space, Add	*10.52*	
		For Threaded Fittings, Add	*5.26*	
23 21 13 23-2531	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	108.33	34.31
		For Work In Restricted Working Space, Add	*15.57*	
		For Threaded Fittings, Add	*7.79*	
23 21 13 23-2532	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	137.28	45.13
		For Work In Restricted Working Space, Add	*20.49*	
		For Threaded Fittings, Add	*10.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2533	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	192.03	53.48
		For Work In Restricted Working Space, Add	*24.33*	
		For Threaded Fittings, Add	*12.16*	
23 21 13 23-2534	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	368.29	61.13
		For Work In Restricted Working Space, Add	*27.80*	
		For Threaded Fittings, Add	*13.90*	
23 21 13 23-2535	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	486.73	71.36
		For Work In Restricted Working Space, Add	*32.44*	
		For Threaded Fittings, Add	*16.22*	
23 21 13 23-2536	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	858.35	106.39
		For Work In Restricted Working Space, Add	*48.37*	
		For Threaded Fittings, Add	*24.18*	

23 21 13 23-2537 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2381)*

23 21 13 23-2538	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	63.47	25.66
		For Work In Restricted Working Space, Add	*11.53*	
		For Threaded Fittings, Add	*5.77*	
23 21 13 23-2539	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	73.37	30.99
		For Work In Restricted Working Space, Add	*13.95*	
		For Threaded Fittings, Add	*6.98*	
23 21 13 23-2540	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	91.27	40.94
		For Work In Restricted Working Space, Add	*18.41*	
		For Threaded Fittings, Add	*9.20*	
23 21 13 23-2541	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	108.71	52.04
		For Work In Restricted Working Space, Add	*23.38*	
		For Threaded Fittings, Add	*11.69*	
23 21 13 23-2542	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	124.50	61.99
		For Work In Restricted Working Space, Add	*27.90*	
		For Threaded Fittings, Add	*13.95*	
23 21 13 23-2543	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	157.19	76.99
		For Work In Restricted Working Space, Add	*34.60*	
		For Threaded Fittings, Add	*17.30*	
23 21 13 23-2544	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	216.38	101.20
		For Work In Restricted Working Space, Add	*45.53*	
		For Threaded Fittings, Add	*22.76*	
23 21 13 23-2545	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	251.54	120.24
		For Work In Restricted Working Space, Add	*54.06*	
		For Threaded Fittings, Add	*27.03*	
23 21 13 23-2546	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	330.63	160.31
		For Work In Restricted Working Space, Add	*72.08*	
		For Threaded Fittings, Add	*36.04*	
23 21 13 23-2547	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	451.98	206.73
		For Work In Restricted Working Space, Add	*92.97*	
		For Threaded Fittings, Add	*46.49*	
23 21 13 23-2548	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	704.75	256.32
		For Work In Restricted Working Space, Add	*115.27*	
		For Threaded Fittings, Add	*57.63*	
23 21 13 23-2549	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,198.75	317.73
		For Work In Restricted Working Space, Add	*142.91*	
		For Threaded Fittings, Add	*71.45*	

23 21 13 23-2550 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2218)*

Note: In place pipe.

23 21 13 23-2551	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.83	
		For Work In Restricted Working Space, Add	*2.35*	
23 21 13 23-2552	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.45	
		For Work In Restricted Working Space, Add	*2.54*	
23 21 13 23-2553	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.51	
		For Work In Restricted Working Space, Add	*2.85*	
23 21 13 23-2554	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.98	
		For Work In Restricted Working Space, Add	*2.99*	
23 21 13 23-2555	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.57	
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-2556	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	11.63	
		For Work In Restricted Working Space, Add	*3.49*	
23 21 13 23-2557	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.53	
		For Work In Restricted Working Space, Add	*3.76*	
23 21 13 23-2558	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	14.79	
		For Work In Restricted Working Space, Add	*4.44*	
23 21 13 23-2559	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	19.96	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2560	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	28.53	
		For Work In Restricted Working Space, Add	*8.56*	
23 21 13 23-2561	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	38.04	
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2562	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	46.50	
		For Work In Restricted Working Space, Add	*13.95*	

23 21 13 23-2563 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2564 Small Diameter Tubing *(23 21 13 23-2563)*

23 21 13 23-2565 Tubing *(23 21 13 23-2564)*

23 21 13 23-2566	LF	1/4" Polyethylene Tubing	4.58	
		For Work In Restricted Working Space, Add	*1.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2567	LF	5/16" Polyethylene Tubing	4.86	
		For Work In Restricted Working Space, Add	*1.33*	
23 21 13 23-2568	LF	3/8" Polyethylene Tubing	5.09	
		For Work In Restricted Working Space, Add	*1.36*	
23 21 13 23-2569	LF	1/2" Polyethylene Tubing	5.32	
		For Work In Restricted Working Space, Add	*1.47*	

23 21 13 23-2570 Chrome Plated Pipe *(23 21 13 23)*

23 21 13 23-2571 Chrome Plated Nipples *(23 21 13 23-2570)*

23 21 13 23-2572 Close *(23 21 13 23-2571)*

23 21 13 23-2573	EA	1/4" Diameter Chrome Plated Nipple, Close	25.85	12.53
23 21 13 23-2574	EA	3/8" Diameter Chrome Plated Nipple, Close	25.39	13.62
23 21 13 23-2575	EA	1/2" Diameter Chrome Plated Nipple, Close	31.04	15.66
23 21 13 23-2576	EA	3/4" Diameter Chrome Plated Nipple, Close	40.43	19.88
23 21 13 23-2577	EA	1" Diameter Chrome Plated Nipple, Close	53.96	26.14
23 21 13 23-2578	EA	1-1/4" Diameter Chrome Plated Nipple, Close	76.23	36.48
23 21 13 23-2579	EA	1-1/2" Diameter Chrome Plated Nipple, Close	92.27	42.73
23 21 13 23-2580	EA	2" Diameter Chrome Plated Nipple, Close	118.13	53.22

23 21 13 23-2581 1-1/2" Nipples *(23 21 13 23-2571)*

23 21 13 23-2582	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	27.47	12.99
23 21 13 23-2583	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	26.71	14.09
23 21 13 23-2584	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	31.88	16.12
23 21 13 23-2585	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	41.79	20.35

23 21 13 23-2586 2" Nipples *(23 21 13 23-2571)*

23 21 13 23-2587	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	28.57	13.62
23 21 13 23-2588	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	27.65	14.56
23 21 13 23-2589	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	34.03	16.75
23 21 13 23-2590	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	43.65	20.82
23 21 13 23-2591	EA	1" Diameter, 2" Length, Chrome Plated Nipple	56.87	27.09
23 21 13 23-2592	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	80.73	37.58
23 21 13 23-2593	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	97.41	43.83

23 21 13 23-2594 2-1/2" Nipples *(23 21 13 23-2571)*

23 21 13 23-2595	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	30.11	14.09
23 21 13 23-2596	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	28.65	15.19
23 21 13 23-2597	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	35.42	17.22
23 21 13 23-2598	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	44.72	21.44
23 21 13 23-2599	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	58.40	27.71
23 21 13 23-2600	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	84.86	38.04
23 21 13 23-2601	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	102.84	44.31
23 21 13 23-2602	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	130.14	54.79

23 21 13 23-2603 3" Nipples *(23 21 13 23-2571)*

23 21 13 23-2604	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	31.33	14.56
23 21 13 23-2605	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	30.19	15.66
23 21 13 23-2606	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	34.83	16.75
23 21 13 23-2607	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	47.78	21.92
23 21 13 23-2608	EA	1" Diameter, 3" Length, Chrome Plated Nipple	64.41	28.17
23 21 13 23-2609	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	89.34	38.66
23 21 13 23-2610	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	115.35	44.93
23 21 13 23-2611	EA	2" Diameter, 3" Length, Chrome Plated Nipple	139.98	55.42

23 21 13 23-2612 3-1/2" Nipples *(23 21 13 23-2571)*

23 21 13 23-2613	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	32.70	15.19
23 21 13 23-2614	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	32.69	16.12
23 21 13 23-2615	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	38.32	18.32
23 21 13 23-2616	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	52.21	22.39
23 21 13 23-2617	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	66.87	28.65
23 21 13 23-2618	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	97.93	39.14
23 21 13 23-2619	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	119.23	45.39
23 21 13 23-2620	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	147.87	55.88

23 21 13 23-2621 4" Nipples *(23 21 13 23-2571)*

23 21 13 23-2622	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	34.06	15.66
23 21 13 23-2623	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	33.53	16.75
23 21 13 23-2624	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	38.40	17.69
23 21 13 23-2625	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	54.09	23.01
23 21 13 23-2626	EA	1" Diameter, 4" Length, Chrome Plated Nipple	69.23	29.27
23 21 13 23-2627	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	104.53	39.61
23 21 13 23-2628	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	127.03	45.87
23 21 13 23-2629	EA	2" Diameter, 4" Length, Chrome Plated Nipple	157.43	56.36

23 21 13 23-2630 4-1/2" Nipples *(23 21 13 23-2571)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2631	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	35.30	16.12
23 21 13 23-2632	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	36.03	17.22
23 21 13 23-2633	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	42.04	19.26
23 21 13 23-2634	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	56.22	23.48
23 21 13 23-2635	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	76.83	29.75
23 21 13 23-2636	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	110.86	40.24
23 21 13 23-2637	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	130.61	46.49
23 21 13 23-2638	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	166.25	56.98
23 21 13 23-2639		**5" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2640	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	39.00	16.75
23 21 13 23-2641	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	37.67	17.69
23 21 13 23-2642	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	43.49	19.88
23 21 13 23-2643	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	58.27	23.95
23 21 13 23-2644	EA	1" Diameter, 5" Length, Chrome Plated Nipple	81.52	30.21
23 21 13 23-2645	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	116.65	40.70
23 21 13 23-2646	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	138.42	46.97
23 21 13 23-2647	EA	2" Diameter, 5" Length, Chrome Plated Nipple	172.02	57.46
23 21 13 23-2648		**5-1/2" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2649	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	40.27	17.22
23 21 13 23-2650	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	38.99	18.32
23 21 13 23-2651	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	47.18	20.35
23 21 13 23-2652	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	60.31	24.58
23 21 13 23-2653	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	84.09	30.84
23 21 13 23-2654	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	123.60	41.17
23 21 13 23-2655	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	144.68	47.43
23 21 13 23-2656	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	179.32	57.92
23 21 13 23-2657		**6" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2658	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	41.73	17.69
23 21 13 23-2659	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	39.83	18.78
23 21 13 23-2660	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	48.53	20.82
23 21 13 23-2661	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	62.01	25.05
23 21 13 23-2662	EA	1" Diameter, 6" Length, Chrome Plated Nipple	91.47	31.31
23 21 13 23-2663	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	127.96	41.80
23 21 13 23-2664	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	154.24	48.05
23 21 13 23-2665	EA	2" Diameter, 6" Length, Chrome Plated Nipple	186.02	58.54
23 21 13 23-2666		**8" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2667	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	46.60	19.88
23 21 13 23-2668	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	66.27	21.92
23 21 13 23-2669	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	80.38	26.14
23 21 13 23-2670	EA	1" Diameter, 8" Length, Chrome Plated Nipple	106.00	32.41
23 21 13 23-2671	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	150.80	42.73
23 21 13 23-2672	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	184.00	49.00
23 21 13 23-2673	EA	2" Diameter, 8" Length, Chrome Plated Nipple	226.38	59.49
23 21 13 23-2674		**10" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2675	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	52.69	19.88
23 21 13 23-2676	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	73.94	21.92
23 21 13 23-2677	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	89.26	26.14
23 21 13 23-2678	EA	1" Diameter, 10" Length, Chrome Plated Nipple	119.44	32.41
23 21 13 23-2679	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	179.57	42.73
23 21 13 23-2680	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	205.92	49.00
23 21 13 23-2681	EA	2" Diameter, 10" Length, Chrome Plated Nipple	261.41	59.49
23 21 13 23-2682		**12" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2683	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	58.71	21.92
23 21 13 23-2684	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	77.40	23.01
23 21 13 23-2685	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	97.99	27.09
23 21 13 23-2686	EA	1" Diameter, 12" Length, Chrome Plated Nipple	138.97	34.44
23 21 13 23-2687	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	200.37	44.93
23 21 13 23-2688	EA	2" Diameter, 12" Length, Chrome Plated Nipple	292.63	61.68
23 21 13 23-2689		**18" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2690	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	73.12	23.01
23 21 13 23-2691		**24" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2692	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	86.93	23.95
23 21 13 23-2693		**30" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2694	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	95.87	25.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2695		**36" Nipples** *(23 21 13 23-2571)*		
23 21 13 23-2696	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	104.83	26.14
23 21 13 23-2697		**Chrome Plated Fittings** *(23 21 13 23-2570)*		
23 21 13 23-2698		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2697)*		
23 21 13 23-2699	EA	1/4" 90 Degree Elbow, Chrome Plated	32.16	14.56
23 21 13 23-2700	EA	3/8" 90 Degree Elbow, Chrome Plated	33.06	15.66
23 21 13 23-2701	EA	1/2" 90 Degree Elbow, Chrome Plated	36.89	16.75
23 21 13 23-2702	EA	3/4" 90 Degree Elbow, Chrome Plated	47.28	21.92
23 21 13 23-2703	EA	1" 90 Degree Elbow, Chrome Plated	63.67	28.17
23 21 13 23-2704	EA	1-1/4" 90 Degree Elbow, Chrome Plated	96.27	38.66
23 21 13 23-2705	EA	1-1/2" 90 Degree Elbow, Chrome Plated	115.12	44.93
23 21 13 23-2706	EA	2" 90 Degree Elbow, Chrome Plated	155.48	55.42
23 21 13 23-2707		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2697)*		
23 21 13 23-2708	EA	1/4" Street 90 Degree Elbow, Chrome Plated	36.45	14.56
23 21 13 23-2709	EA	3/8" Street 90 Degree Elbow, Chrome Plated	37.77	15.66
23 21 13 23-2710	EA	1/2" Street 90 Degree Elbow, Chrome Plated	40.16	16.75
23 21 13 23-2711	EA	3/4" Street 90 Degree Elbow, Chrome Plated	52.11	21.92
23 21 13 23-2712	EA	1" Street 90 Degree Elbow, Chrome Plated	72.56	28.17
23 21 13 23-2713	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	105.40	38.66
23 21 13 23-2714	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	127.91	44.93
23 21 13 23-2715	EA	2" Street 90 Degree Elbow, Chrome Plated	185.57	55.42
23 21 13 23-2716		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2697)*		
23 21 13 23-2717	EA	1/4" 45 Degree Elbow, Chrome Plated	33.10	14.56
23 21 13 23-2718	EA	3/8" 45 Degree Elbow, Chrome Plated	34.42	15.66
23 21 13 23-2719	EA	1/2" 45 Degree Elbow, Chrome Plated	37.86	16.75
23 21 13 23-2720	EA	3/4" 45 Degree Elbow, Chrome Plated	50.97	21.92
23 21 13 23-2721	EA	1" 45 Degree Elbow, Chrome Plated	67.78	28.17
23 21 13 23-2722	EA	1-1/4" 45 Degree Elbow, Chrome Plated	101.23	38.66
23 21 13 23-2723	EA	1-1/2" 45 Degree Elbow, Chrome Plated	121.75	44.93
23 21 13 23-2724	EA	2" 45 Degree Elbow, Chrome Plated	173.68	55.42
23 21 13 23-2725		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2697)*		
23 21 13 23-2726	EA	1/2" Street 45 Degree Elbow, Chrome Plated	43.75	16.75
23 21 13 23-2727		**Chrome Plated Couplings** *(23 21 13 23-2697)*		
23 21 13 23-2728	EA	1/4" Coupling, Chrome Plated	31.58	14.56
23 21 13 23-2729	EA	3/8" Coupling, Chrome Plated	33.14	15.66
23 21 13 23-2730	EA	1/2" Coupling, Chrome Plated	37.13	16.75
23 21 13 23-2731	EA	3/4" Coupling, Chrome Plated	47.38	21.92
23 21 13 23-2732	EA	1" Coupling, Chrome Plated	61.62	28.17
23 21 13 23-2733	EA	1-1/4" Coupling, Chrome Plated	88.86	38.66
23 21 13 23-2734	EA	1-1/2" Coupling, Chrome Plated	108.91	44.93
23 21 13 23-2735	EA	2" Coupling, Chrome Plated	147.89	55.42
23 21 13 23-2736		**Chrome Plated Unions** *(23 21 13 23-2697)*		
23 21 13 23-2737	EA	1/4" Union, Chrome Plated	48.36	16.75
23 21 13 23-2738	EA	3/8" Union, Chrome Plated	49.95	17.69
23 21 13 23-2739	EA	1/2" Union, Chrome Plated	59.83	19.88
23 21 13 23-2740	EA	3/4" Union, Chrome Plated	74.70	26.14
23 21 13 23-2741	EA	1" Union, Chrome Plated	94.61	33.34
23 21 13 23-2742	EA	1-1/4" Union, Chrome Plated	150.21	44.93
23 21 13 23-2743	EA	1-1/2" Union, Chrome Plated	186.12	53.22
23 21 13 23-2744	EA	2" Union, Chrome Plated	241.24	64.81
23 21 13 23-2745		**Chrome Plated Caps** *(23 21 13 23-2697)*		
23 21 13 23-2746	EA	1/4" Cap, Chrome Plated	20.36	7.36
23 21 13 23-2747	EA	3/8" Cap, Chrome Plated	21.15	7.83
23 21 13 23-2748	EA	1/2" Cap, Chrome Plated	23.96	8.29
23 21 13 23-2749	EA	3/4" Cap, Chrome Plated	30.05	10.96
23 21 13 23-2750	EA	1" Cap, Chrome Plated	36.09	14.09
23 21 13 23-2751	EA	1-1/4" Cap, Chrome Plated	52.77	19.26
23 21 13 23-2752	EA	1-1/2" Cap, Chrome Plated	68.50	22.39
23 21 13 23-2753	EA	2" Cap, Chrome Plated	98.93	29.27
23 21 13 23-2754		**Chrome Plated Plugs** *(23 21 13 23-2697)*		
23 21 13 23-2755	EA	1/4" Plug, Chrome Plated	17.09	7.36
23 21 13 23-2756	EA	3/8" Plug, Chrome Plated	17.88	7.83
23 21 13 23-2757	EA	1/2" Plug, Chrome Plated	20.51	8.29
23 21 13 23-2758	EA	3/4" Plug, Chrome Plated	27.60	10.96
23 21 13 23-2759	EA	1" Plug, Chrome Plated	34.22	14.09
23 21 13 23-2760	EA	1-1/4" Plug, Chrome Plated	46.32	19.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2761	EA	1-1/2" Plug, Chrome Plated	56.68	22.39
23 21 13 23-2762	EA	2" Plug, Chrome Plated	78.38	29.27
23 21 13 23-2763		Chrome Plated Tees *(23 21 13 23-2697)*		
23 21 13 23-2764	EA	1/4" Chrome Plated Tee	45.22	21.92
23 21 13 23-2765	EA	3/8" Chrome Plated Tee	48.35	23.95
23 21 13 23-2766	EA	1/2" Chrome Plated Tee	53.67	26.14
23 21 13 23-2767	EA	3/4" Chrome Plated Tee	66.80	32.41
23 21 13 23-2768	EA	1" Chrome Plated Tee	93.53	41.80
23 21 13 23-2769	EA	1-1/4" Chrome Plated Tee	128.87	57.46
23 21 13 23-2770	EA	1-1/2" Chrome Plated Tee	162.71	66.85
23 21 13 23-2771	EA	2" Chrome Plated Tee	220.08	82.50
23 21 13 23-2772		Chrome Plated Reducing 90 Degree Elbows *(23 21 13 23-2697)*		
23 21 13 23-2773	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	51.49	26.14
23 21 13 23-2774	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	60.88	32.41
23 21 13 23-2775		Chrome Plated Bell Reducers *(23 21 13 23-2697)*		
23 21 13 23-2776	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	55.44	26.14
23 21 13 23-2777	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	67.68	32.41
23 21 13 23-2778	EA	1" x 1/2" Bell Reducer, Chrome Plated	86.22	41.80
23 21 13 23-2779		Chrome Plated Reducing Tees *(23 21 13 23-2697)*		
23 21 13 23-2780	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	72.72	32.41
23 21 13 23-2781		Chrome Plated Bushings *(23 21 13 23-2697)*		
23 21 13 23-2782	EA	3/8" x 1/4" Bushing, Chrome Plated	16.99	7.36
23 21 13 23-2783	EA	1/2" x 1/4" Bushing, Chrome Plated	18.29	7.83
23 21 13 23-2784	EA	1/2" x 3/8" Bushing, Chrome Plated	19.08	8.29
23 21 13 23-2785	EA	3/4" x 1/2" Bushing, Chrome Plated	24.35	10.96
23 21 13 23-2786	EA	1" x 3/4" Bushing, Chrome Plated	34.85	14.09
23 21 13 23-2787	EA	1-1/4" x 1" Bushing, Chrome Plated	50.56	19.26
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		Vent Valves *(23 21 16)*		
23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	94.02	22.89
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	215.96	24.61
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	206.29	24.61
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	213.06	24.61
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	272.31	24.61
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	203.63	24.61
23 21 16 00-0008		Threaded Inlet, Drip-Pan Elbow *(23 21 16)*		
23 21 16 00-0009		Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*		
23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	291.93	38.31
		For Flanged Inlet, Add	*95.32*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	333.57	45.40
		For Flanged Inlet, Add	*102.33*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	414.79	52.50
		For Flanged Inlet, Add	*138.05*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	597.67	59.59
		For Flanged Inlet, Add	*242.88*	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	678.62	70.94
		For Flanged Inlet, Add	*268.49*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	931.73	89.39
		For Flanged Inlet, Add	*392.37*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	2,008.39	117.77
		For Flanged Inlet, Add	*1,044.09*	
23 21 16 00-0017		Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*		
23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	768.96	38.31
		For Flanged Inlet, Add	*419.70*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	930.97	45.40
		For Flanged Inlet, Add	*508.56*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,326.37	52.50
		For Flanged Inlet, Add	*757.92*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,355.08	59.59
		For Flanged Inlet, Add	*757.92*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,946.77	70.94
		For Flanged Inlet, Add	*1,130.83*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,017.71	89.39
		For Flanged Inlet, Add	*1,130.83*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,328.72	117.77
		For Flanged Inlet, Add	*1,941.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0025		Y-Type Strainers *(23 21 16)*		
23 21 16 00-0026		Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers *(23 21 16 00-0025)*		
23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	94.43	17.09
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*14.65*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	95.19	17.39
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*14.87*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	121.55	23.49
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*20.14*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	153.66	28.07
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*24.03*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	199.94	34.71
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*29.75*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	228.16	37.38
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*32.04*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	308.89	42.72
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*36.62*	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	572.58	53.40
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*45.77*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	739.44	66.82
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*57.21*	
23 21 16 00-0036		Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0025)*		
23 21 16 00-0037	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	548.22	160.19
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*60.23*	
23 21 16 00-0038	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	630.30	203.37
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0039	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,221.02	259.36
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0040	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,562.12	434.81
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0041	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,684.77	438.05
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*164.01*	
23 21 16 00-0042	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	2,023.99	486.71
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0043	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,556.31	621.92
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0044	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,150.85	757.11
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*283.92*	
23 21 16 00-0045	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,803.25	676.00
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*405.60*	
23 21 16 00-0046		Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*		
		Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	85.31	17.39
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*14.87*	
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	113.56	23.49
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*20.14*	
23 21 16 00-0049	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	138.60	28.07
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*24.03*	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	187.06	34.71
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*29.75*	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	220.94	37.38
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*32.04*	
23 21 16 00-0052	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	292.02	42.72
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*36.62*	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	407.56	53.40
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*45.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0054	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	719.41	66.82
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*57.21*	
23 21 16 00-0055	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,232.25	80.10
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*68.66*	

23 21 16 00-0056 Flanged, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*

Note: With bolted cap.

23 21 16 00-0057	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	698.09	203.37
		For 300 Lb. Rating, Add	*266.29*	
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	729.57	221.21
		For 300 Lb. Rating, Add	*271.31*	
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0059	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	842.39	259.36
		For 300 Lb. Rating, Add	*310.67*	
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0060	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,803.00	434.81
		For 300 Lb. Rating, Add	*754.88*	
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0061	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,517.68	486.71
		For 300 Lb. Rating, Add	*1,144.27*	
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0062	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	4,027.20	621.92
		For 300 Lb. Rating, Add	*1,952.78*	
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0063	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,627.71	757.11
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*283.92*	

23 21 16 00-0064 Crimped Bronze Body, Class 125, Y-Type Strainers *(23 21 16 00-0025)*

Note: NIBCO

23 21 16 00-0065	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	195.21	15.66
		For Work In Restricted Working Space, Add	*10.57*	
23 21 16 00-0066	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	226.05	17.22
		For Work In Restricted Working Space, Add	*12.03*	
23 21 16 00-0067	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	320.89	19.57
		For Work In Restricted Working Space, Add	*14.38*	
23 21 16 00-0068	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	429.07	20.82
		For Work In Restricted Working Space, Add	*15.85*	
23 21 16 00-0069	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	516.11	24.10
		For Work In Restricted Working Space, Add	*17.61*	
23 21 16 00-0070	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	762.65	28.49
		For Work In Restricted Working Space, Add	*21.13*	

23 21 16 00-0071 Crimped Bronze Body, 250 PSI, Y-Type Strainers *(23 21 16 00-0025)*

23 21 16 00-0072	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	86.33	15.66
23 21 16 00-0073	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	104.53	17.22
23 21 16 00-0074	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	150.13	19.57
23 21 16 00-0075	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	181.86	20.82
23 21 16 00-0076	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	215.79	24.10
23 21 16 00-0077	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	281.49	28.49

23 21 16 00-0078 Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0079	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	584.06	60.11
		For Work In Restricted Working Space, Add	*29.43*	
23 21 16 00-0080	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	614.38	66.67
		For Work In Restricted Working Space, Add	*32.69*	
23 21 16 00-0081	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	624.72	70.03
		For Work In Restricted Working Space, Add	*34.34*	
23 21 16 00-0082	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,191.00	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0083	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	648.06	81.47
		For Work In Restricted Working Space, Add	*39.88*	
23 21 16 00-0084	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	730.68	81.47
		For Work In Restricted Working Space, Add	*39.88*	
23 21 16 00-0085	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,248.62	240.80
		For Work In Restricted Working Space, Add	*90.30*	
23 21 16 00-0086	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,277.10	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0087	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,557.31	347.79
		For Work In Restricted Working Space, Add	*130.42*	
23 21 16 00-0088	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,837.53	434.81
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0089	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,092.08	437.37
		For Work In Restricted Working Space, Add	*164.01*	
23 21 16 00-0090	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,520.41	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0091	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,862.22	621.92
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0092	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,363.84	621.92
		For Work In Restricted Working Space, Add	*231.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0093	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,994.47	757.11
		For Work In Restricted Working Space, Add	*283.92*	
23 21 16 00-0094	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,815.75	757.11
		For Work In Restricted Working Space, Add	*283.92*	

23 21 16 00-0095 Duplex Strainers *(23 21 16)*

23 21 16 00-0096 Iron Body, Duplex Strainers *(23 21 16 00-0095)*

23 21 16 00-0097 Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0096)*

Note: With brass or stainless steel basket.

23 21 16 00-0098	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	987.05	37.99
		For Work In Restricted Working Space, Add	*22.81*	
23 21 16 00-0099	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,102.44	43.48
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0100	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,492.42	51.11
		For Work In Restricted Working Space, Add	*30.65*	
23 21 16 00-0101	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,876.48	55.69
		For Work In Restricted Working Space, Add	*33.41*	
23 21 16 00-0102	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,513.41	67.89
		For Work In Restricted Working Space, Add	*40.86*	
23 21 16 00-0103	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,163.16	86.96
		For Work In Restricted Working Space, Add	*52.16*	

23 21 16 00-0104 Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0096)*

Note: With brass or stainless steel basket.

23 21 16 00-0105	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,433.37	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0106	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,551.38	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0107	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,547.58	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0108	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,125.73	385.32
		For Work In Restricted Working Space, Add	*144.86*	
23 21 16 00-0109	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,896.33	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0110	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,395.10	621.92
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0111	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,438.34	757.11
		For Work In Restricted Working Space, Add	*283.92*	
23 21 16 00-0112	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	41,387.26	954.50
		For Work In Restricted Working Space, Add	*572.88*	
23 21 16 00-0113	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	49,180.71	1,081.59
		For Work In Restricted Working Space, Add	*405.60*	
23 21 16 00-0114	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,462.87	1,189.75
		For Work In Restricted Working Space, Add	*446.15*	

23 21 16 00-0115 Bronze Body, Duplex Strainers *(23 21 16 00-0095)*

23 21 16 00-0116 Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0115)*

Note: With brass or stainless steel basket.

23 21 16 00-0117	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,831.65	38.14
		For Work In Restricted Working Space, Add	*22.81*	
23 21 16 00-0118	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,032.44	43.48
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0119	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,972.83	51.11
		For Work In Restricted Working Space, Add	*30.65*	
23 21 16 00-0120	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,907.30	55.69
		For Work In Restricted Working Space, Add	*33.41*	
23 21 16 00-0121	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,047.19	67.89
		For Work In Restricted Working Space, Add	*40.86*	
23 21 16 00-0122	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,199.91	86.96
		For Work In Restricted Working Space, Add	*52.16*	

23 21 16 00-0123 Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0115)*

Note: With brass or stainless steel basket.

23 21 16 00-0124	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,086.95	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0125	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,299.86	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0126	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	10,004.23	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0127	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,761.47	385.32
		For Work In Restricted Working Space, Add	*144.86*	
23 21 16 00-0128	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,204.55	486.71
		For Work In Restricted Working Space, Add	*183.17*	

23 21 16 00-0129 Cast Steel Body, Duplex Strainers *(23 21 16 00-0095)*

23 21 16 00-0130 Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0129)*

Note: With brass or stainless steel basket.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0131	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,850.25	43.48
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0132	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,510.10	51.11
		For Work In Restricted Working Space, Add	*30.64*	
23 21 16 00-0133	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,164.10	55.69
		For Work In Restricted Working Space, Add	*33.42*	
23 21 16 00-0134	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,044.24	67.89
		For Work In Restricted Working Space, Add	*40.86*	
23 21 16 00-0135		Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0129)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0136	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,208.37	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0137	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,922.28	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0138	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,410.34	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0139	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,266.04	385.32
		For Work In Restricted Working Space, Add	*144.86*	
23 21 16 00-0140	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	26,032.14	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0141	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,694.63	621.92
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0142		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0095)*		
23 21 16 00-0143		Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0142)*		
		Note: With stainless steel basket.		
23 21 16 00-0144	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,510.93	43.48
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0145	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,227.17	51.11
		For Work In Restricted Working Space, Add	*30.64*	
23 21 16 00-0146	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,925.66	55.69
		For Work In Restricted Working Space, Add	*33.42*	
23 21 16 00-0147	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,898.53	67.89
		For Work In Restricted Working Space, Add	*40.86*	
23 21 16 00-0148		Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0142)*		
		Note: With stainless steel basket.		
23 21 16 00-0149	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,670.88	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0150	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,526.72	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0151	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,447.69	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0152	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,553.97	385.32
		For Work In Restricted Working Space, Add	*144.86*	
23 21 16 00-0153	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,901.40	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0154	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,789.04	621.92
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0155		Pressure Regulating Valve *(23 21 16)*		
23 21 16 00-0156		Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0155)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lb. rating		
23 21 16 00-0157	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	256.28	19.57
		For Work In Restricted Working Space, Add	*23.48*	
23 21 16 00-0158	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	313.85	21.92
		For Work In Restricted Working Space, Add	*26.09*	
23 21 16 00-0159	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	408.41	23.48
		For Work In Restricted Working Space, Add	*27.63*	
23 21 16 00-0160	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	689.06	26.30
		For Work In Restricted Working Space, Add	*31.31*	
23 21 16 00-0161	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	931.82	31.31
		For Work In Restricted Working Space, Add	*37.57*	
23 21 16 00-0162	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,338.00	48.01
		For Work In Restricted Working Space, Add	*57.67*	
23 21 16 00-0163	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,457.00	54.06
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0164	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,601.49	156.42
		For Work In Restricted Working Space, Add	*72.08*	
23 21 16 00-0165		Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0155)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0166		Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0165)*		
23 21 16 00-0167	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	422.98	25.63
		For Work In Restricted Working Space, Add	*30.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0168	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	533.13	36.31
		For Work In Restricted Working Space, Add	*43.59*	
23 21 16 00-0169	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	683.38	44.24
		For Work In Restricted Working Space, Add	*53.22*	
23 21 16 00-0170	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	908.08	53.70
		For Work In Restricted Working Space, Add	*61.85*	
23 21 16 00-0171	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,210.51	61.02
		For Work In Restricted Working Space, Add	*70.42*	
23 21 16 00-0172	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,416.82	85.13
		For Work In Restricted Working Space, Add	*85.13*	
23 21 16 00-0173		Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0165)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0174	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,186.87	205.73
		For Work In Restricted Working Space, Add	*77.39*	
23 21 16 00-0175	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,958.88	241.21
		For Work In Restricted Working Space, Add	*90.57*	
23 21 16 00-0176	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,115.86	404.38
		For Work In Restricted Working Space, Add	*152.02*	
23 21 16 00-0177	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,632.90	501.22
		For Work In Restricted Working Space, Add	*188.63*	
23 21 16 00-0178		Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0155)*		
23 21 16 00-0179		Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0178)*		
23 21 16 00-0180	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,290.98	18.61
		For Work In Restricted Working Space, Add	*27.92*	
23 21 16 00-0181	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,338.65	18.61
		For Work In Restricted Working Space, Add	*27.92*	
23 21 16 00-0182	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,495.45	23.49
		For Work In Restricted Working Space, Add	*35.24*	
23 21 16 00-0183	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,935.30	29.91
		For Work In Restricted Working Space, Add	*44.85*	
23 21 16 00-0184	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,360.69	34.47
		For Work In Restricted Working Space, Add	*51.72*	
23 21 16 00-0185	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,164.46	40.58
		For Work In Restricted Working Space, Add	*60.88*	
23 21 16 00-0186		Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0178)*		
23 21 16 00-0187	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,146.35	205.73
		For Work In Restricted Working Space, Add	*77.39*	
23 21 16 00-0188	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,344.83	241.21
		For Work In Restricted Working Space, Add	*90.57*	
23 21 16 00-0189	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,621.46	404.38
		For Work In Restricted Working Space, Add	*152.02*	
23 21 16 00-0190	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	21,077.30	501.22
		For Work In Restricted Working Space, Add	*188.63*	
23 21 16 00-0191		Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves *(23 21 16 00-0155)*		
23 21 16 00-0192	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	285.55	20.35
23 21 16 00-0193	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	351.16	22.54
23 21 16 00-0194	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	460.42	23.95
23 21 16 00-0195	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	785.20	27.24
23 21 16 00-0196	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,064.40	32.56
23 21 16 00-0197	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,526.40	49.89
23 21 16 00-0198	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,653.79	54.35
23 21 16 00-0199	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,825.31	62.57
23 21 16 00-0200		Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0155)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	236.36	19.57
23 21 16 00-0202	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	259.89	21.92
23 21 16 00-0203	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	320.65	24.26
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	743.59	26.30
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	807.70	31.31
23 21 16 00-0206	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,268.57	48.01
23 21 16 00-0207		Dual Unit Reducing And Relief Valve *(23 21 16)*		
23 21 16 00-0208	EA	1/2" Dual Unit Reducing And Relief Valve	265.41	46.53
23 21 16 00-0209		Safety Relief Valve *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210		Threaded Inlet, Bronze Body Safety Valves *(23 21 16 00-0209)*		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0211	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	105.63	19.57
23 21 16 00-0212	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	143.72	21.52
23 21 16 00-0213	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	205.31	26.22
23 21 16 00-0214	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	262.59	27.79
23 21 16 00-0215	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	361.08	37.18
23 21 16 00-0216	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	481.53	43.83
23 21 16 00-0217	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	548.41	54.79
23 21 16 00-0218		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0219	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	115.88	39.92
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0220	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	148.83	47.90
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0221	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	216.74	63.87
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0222	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	350.65	68.41
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0223	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	582.07	76.70
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0224	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	677.70	110.29
		For Cast Iron Body, Add	*621.88*	
23 21 16 00-0225		**Thermostatic Radiator Valves** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	108.36	24.61
23 21 16 00-0227	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	132.72	33.16
23 21 16 00-0228	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	175.64	40.15
23 21 16 00-0229	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	269.48	50.87
23 21 16 00-0230	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	108.36	24.61
23 21 16 00-0231	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	132.72	33.16
23 21 16 00-0232	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	175.64	40.15
23 21 16 00-0233	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	269.48	50.87
23 21 16 00-0234	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	109.11	19.07
23 21 16 00-0235	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	182.14	26.70
23 21 16 00-0236		**Radiator Trap Repair Kits** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	164.00	
23 21 16 00-0238	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	204.58	
23 21 16 00-0239	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	205.94	
23 21 16 00-0240	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	234.55	
23 21 16 00-0241	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	544.82	
23 21 16 00-0242		**Horizontal Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0243	EA	10 Gallon Horizontal Steel Expansion Tank	768.25	152.56
23 21 16 00-0244	EA	15 Gallon Horizontal Steel Expansion Tank	1,076.09	190.70
23 21 16 00-0245	EA	30 Gallon Horizontal Steel Expansion Tank	1,401.34	228.85
23 21 16 00-0246	EA	40 Gallon Horizontal Steel Expansion Tank	1,614.59	266.98
23 21 16 00-0247	EA	60 Gallon Horizontal Steel Expansion Tank	1,841.86	270.40
23 21 16 00-0248		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0249	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,868.21	114.42
23 21 16 00-0250	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,935.39	133.49
23 21 16 00-0251	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,753.27	152.56
23 21 16 00-0252	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,943.96	171.64
23 21 16 00-0253	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,730.34	190.70
23 21 16 00-0254	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,928.30	209.77
23 21 16 00-0255	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,777.64	228.85
23 21 16 00-0256	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,164.48	247.91
23 21 16 00-0257	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,708.72	266.98
23 21 16 00-0258	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,864.91	305.13
23 21 16 00-0259	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,200.37	343.27
23 21 16 00-0260	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,346.96	381.41
23 21 16 00-0261	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,623.09	457.69
23 21 16 00-0262		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0263	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	113.43	14.42
23 21 16 00-0264	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	160.07	14.42
23 21 16 00-0265		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0266	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,460.54	457.85
23 21 16 00-0267	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,515.97	457.85
23 21 16 00-0268	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,571.39	457.85
23 21 16 00-0269	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,715.48	457.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0270	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,069.92	610.10
23 21 16 00-0271	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,401.86	610.40
23 21 16 00-0272	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,467.69	610.40
23 21 16 00-0273	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,533.53	610.40
23 21 16 00-0274	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	3,219.27	762.82
23 21 16 00-0275	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,800.92	762.82
23 21 16 00-0276	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	11,176.16	915.08

23 21 16 00-0277 ASME Construction Compression Tanks *(23 21 16)*

Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.

23 21 16 00-0278	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,624.90	268.51
		For Galvanized Steel Tanks, Add	*609.04*	
23 21 16 00-0279	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,655.56	276.14
		For Galvanized Steel Tanks, Add	*618.01*	
23 21 16 00-0280	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,812.59	285.29
		For Galvanized Steel Tanks, Add	*689.66*	
23 21 16 00-0281	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,990.56	295.97
		For Galvanized Steel Tanks, Add	*770.25*	
23 21 16 00-0282	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,335.88	312.76
		For Galvanized Steel Tanks, Add	*931.47*	
23 21 16 00-0283	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,426.72	324.96
		For Galvanized Steel Tanks, Add	*967.29*	
23 21 16 00-0284	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	3,025.20	353.95
		For Galvanized Steel Tanks, Add	*1,244.95*	
23 21 16 00-0285	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,298.43	379.88
		For Galvanized Steel Tanks, Add	*1,361.36*	
23 21 16 00-0286	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,122.71	428.71
		For Galvanized Steel Tanks, Add	*1,736.76*	
23 21 16 00-0287	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,258.23	491.25
		For Galvanized Steel Tanks, Add	*2,257.01*	
23 21 16 00-0288	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,317.16	544.65
		For Galvanized Steel Tanks, Add	*2,746.25*	
23 21 16 00-0289	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	6,909.41	591.94
		For Galvanized Steel Tanks, Add	*3,005.99*	
23 21 16 00-0290	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	8,769.60	649.92
		For Galvanized Steel Tanks, Add	*3,892.66*	
23 21 16 00-0291	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	9,037.68	694.16
		For Galvanized Steel Tanks, Add	*3,992.76*	
23 21 16 00-0292	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	11,708.64	746.03
		For Galvanized Steel Tanks, Add	*5,289.27*	
23 21 16 00-0293	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	19,654.55	875.71
		For Galvanized Steel Tanks, Add	*9,163.96*	

23 21 16 00-0294 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0295	EA	9" To 24" Diameter Compression Tank Air Fittings	271.78	42.72
23 21 16 00-0296	EA	>100 Gallon Compression Tank Air Fittings	864.12	50.35

23 21 16 00-0297 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,128.37	324.96
		For 300 PSIG, Add	*245.43*	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,636.96	372.25
		For 300 PSIG, Add	*310.79*	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	4,071.33	437.86
		For 300 PSIG, Add	*511.20*	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,352.66	463.72
		For 300 PSIG, Add	*547.51*	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,613.15	618.30
		For 300 PSIG, Add	*701.45*	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	7,087.11	735.48
		For 300 PSIG, Add	*896.06*	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,416.74	832.83
		For 300 PSIG, Add	*1,073.23*	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	12,144.89	999.12
		For 300 PSIG, Add	*1,594.60*	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,780.11	1,135.67
		For 300 PSIG, Add	*2,558.91*	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	25,345.83	1,469.61
		For 300 PSIG, Add	*3,467.85*	

23 21 16 00-0308 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0309	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,808.87	324.96
		For 300 PSIG, Add	*197.51*	
23 21 16 00-0310	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,288.42	372.25
		For 300 PSIG, Add	*258.51*	
23 21 16 00-0311	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,984.19	437.86
		For 300 PSIG, Add	*498.13*	
23 21 16 00-0312	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,587.80	463.72
		For 300 PSIG, Add	*432.78*	
23 21 16 00-0313	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,809.56	618.30
		For 300 PSIG, Add	*580.91*	
23 21 16 00-0314	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,244.79	735.48
		For 300 PSIG, Add	*769.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0315	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,274.28	832.83
		For 300 PSIG, Add	*901.86*	
23 21 16 00-0316	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,705.07	999.12
		For 300 PSIG, Add	*1,228.63*	
23 21 16 00-0317	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,561.60	1,135.67
		For 300 PSIG, Add	*1,776.13*	
23 21 16 00-0318	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,961.16	1,469.61
		For 300 PSIG, Add	*2,810.15*	

23 21 16 00-0319 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0320	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,824.87	370.98
23 21 16 00-0321	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,425.32	494.33
23 21 16 00-0322	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,864.39	587.84
23 21 16 00-0323	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	8,164.28	666.26
23 21 16 00-0324	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,822.68	799.51
23 21 16 00-0325	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	19,191.13	908.54
23 21 16 00-0326	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	29,262.99	1,175.83

23 21 16 00-0327 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0328	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	3,030.96	370.98
23 21 16 00-0329	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,621.73	494.33
23 21 16 00-0330	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	6,022.07	587.84
23 21 16 00-0331	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	7,021.82	666.26
23 21 16 00-0332	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,402.22	799.51
23 21 16 00-0333	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,895.16	908.54
23 21 16 00-0334	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	23,155.54	1,175.83

23 21 16 00-0335 Swivel Joints *(23 21 16)*

23 21 16 00-0336 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0335)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0337	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	378.79	40.12
23 21 16 00-0338	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	544.75	58.73
23 21 16 00-0339	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	757.73	68.66
23 21 16 00-0340	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,136.65	117.47
23 21 16 00-0341	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,441.39	162.25
23 21 16 00-0342	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,865.69	434.81
23 21 16 00-0343	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,388.01	549.23

23 21 16 00-0344 Basket Strainers *(23 21 16)*

23 21 16 00-0345 Bronze Body Basket Strainers *(23 21 16 00-0344)*

23 21 16 00-0346 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0345)*

23 21 16 00-0347	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	350.93	30.51
		For Work In Restricted Working Space, Add	*18.16*	
23 21 16 00-0348	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	414.67	35.86
		For Work In Restricted Working Space, Add	*21.34*	
23 21 16 00-0349	EA	1" Screwed Ends, Bronze Body Basket Strainer	481.43	42.72
		For Work In Restricted Working Space, Add	*25.43*	
23 21 16 00-0350	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	597.46	47.29
		For Work In Restricted Working Space, Add	*28.35*	
23 21 16 00-0351	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	704.55	53.40
		For Work In Restricted Working Space, Add	*32.01*	
23 21 16 00-0352	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,042.69	61.02
		For Work In Restricted Working Space, Add	*36.65*	
23 21 16 00-0353	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,473.25	81.62
		For Work In Restricted Working Space, Add	*49.10*	
23 21 16 00-0354	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,062.05	86.96
		For Work In Restricted Working Space, Add	*52.07*	

23 21 16 00-0355 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0345)*

23 21 16 00-0356	EA	2" Flanged, Bronze Body Basket Strainer	1,649.28	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0357	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,460.05	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0358	EA	3" Flanged, Bronze Body Basket Strainer	2,791.96	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0359	EA	4" Flanged, Bronze Body Basket Strainer	4,720.39	434.81
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0360	EA	6" Flanged, Bronze Body Basket Strainer	8,866.72	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0361	EA	8" Flanged, Bronze Body Basket Strainer	16,098.64	621.92
		For Work In Restricted Working Space, Add	*231.77*	

23 21 16 00-0362 Iron Body Basket Strainers *(23 21 16 00-0344)*

23 21 16 00-0363 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0362)*

23 21 16 00-0364	EA	1/2" Screwed Ends, Iron Body Basket Strainer	401.30	30.51
		For Work In Restricted Working Space, Add	*18.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0365	EA	3/4" Screwed Ends, Iron Body Basket Strainer	452.54	35.86
		For Work In Restricted Working Space, Add	*21.34*	
23 21 16 00-0366	EA	1" Screwed Ends, Iron Body Basket Strainer	534.94	42.72
		For Work In Restricted Working Space, Add	*25.43*	
23 21 16 00-0367	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	697.86	47.29
		For Work In Restricted Working Space, Add	*28.35*	
23 21 16 00-0368	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	766.32	53.40
		For Work In Restricted Working Space, Add	*32.01*	
23 21 16 00-0369	EA	2" Screwed Ends, Iron Body Basket Strainer	909.99	61.02
		For Work In Restricted Working Space, Add	*36.65*	
23 21 16 00-0370	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,289.09	81.62
		For Work In Restricted Working Space, Add	*49.10*	
23 21 16 00-0371	EA	3" Screwed Ends, Iron Body Basket Strainer	1,455.32	86.96
		For Work In Restricted Working Space, Add	*52.07*	

23 21 16 00-0372 Flanged, Iron Body Basket Strainers *(23 21 16 00-0362)*

23 21 16 00-0373	EA	2" Flanged, Iron Body Basket Strainer	1,754.08	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0374	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,298.86	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0375	EA	3" Flanged, Iron Body Basket Strainer	2,476.49	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0376	EA	4" Flanged, Iron Body Basket Strainer	3,783.56	434.81
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0377	EA	6" Flanged, Iron Body Basket Strainer	6,914.07	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0378	EA	8" Flanged, Iron Body Basket Strainer	12,401.44	621.92
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0379	EA	10" Flanged, Iron Body Basket Strainer	18,444.03	757.11
		For Work In Restricted Working Space, Add	*283.92*	
23 21 16 00-0380	EA	12" Flanged, Iron Body Basket Strainer	22,666.89	954.50
		For Work In Restricted Working Space, Add	*572.65*	
23 21 16 00-0381	EA	14" Flanged, Iron Body Basket Strainer	27,544.11	1,081.59
		For Work In Restricted Working Space, Add	*405.60*	
23 21 16 00-0382	EA	16" Flanged, Iron Body Basket Strainer	28,874.79	1,189.75
		For Work In Restricted Working Space, Add	*446.15*	

23 21 16 00-0383 Cast Steel Body Basket Strainers *(23 21 16 00-0344)*

23 21 16 00-0384 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0383)*

23 21 16 00-0385	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,048.26	42.72
		For Work In Restricted Working Space, Add	*25.43*	
23 21 16 00-0386	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,380.53	47.29
		For Work In Restricted Working Space, Add	*28.35*	
23 21 16 00-0387	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,556.00	53.40
		For Work In Restricted Working Space, Add	*32.00*	
23 21 16 00-0388	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,183.90	61.02
		For Work In Restricted Working Space, Add	*36.65*	
23 21 16 00-0389	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	3,062.29	81.62
		For Work In Restricted Working Space, Add	*49.09*	
23 21 16 00-0390	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	3,970.45	86.96
		For Work In Restricted Working Space, Add	*52.08*	

23 21 16 00-0391 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0383)*

23 21 16 00-0392	EA	2" Flanged, Cast Steel Body Basket Strainer	3,255.02	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0393	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	4,666.22	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0394	EA	3" Flanged, Cast Steel Body Basket Strainer	5,121.71	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0395	EA	4" Flanged, Cast Steel Body Basket Strainer	7,281.22	434.81
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0396	EA	6" Flanged, Cast Steel Body Basket Strainer	12,756.41	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0397	EA	8" Flanged, Cast Steel Body Basket Strainer	20,675.42	621.92
		For Work In Restricted Working Space, Add	*231.77*	

23 21 16 00-0398 Stainless Steel Body Basket Strainers *(23 21 16 00-0344)*

23 21 16 00-0399 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0398)*

23 21 16 00-0400	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	602.56	42.72
		For Work In Restricted Working Space, Add	*25.43*	
23 21 16 00-0401	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	860.95	47.29
		For Work In Restricted Working Space, Add	*28.35*	
23 21 16 00-0402	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	891.05	53.40
		For Work In Restricted Working Space, Add	*32.00*	
23 21 16 00-0403	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,309.01	61.02
		For Work In Restricted Working Space, Add	*36.65*	
23 21 16 00-0404	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,847.75	81.62
		For Work In Restricted Working Space, Add	*49.09*	
23 21 16 00-0405	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,595.98	86.96
		For Work In Restricted Working Space, Add	*52.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0406		**Flanged, Stainless Steel Body Basket Strainers** *(23 21 16 00-0398)*		
23 21 16 00-0407	EA	2" Flanged, Stainless Steel Body Basket Strainer	2,020.44	203.37
		For Work In Restricted Working Space, Add	*76.28*	
23 21 16 00-0408	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	3,027.88	221.21
		For Work In Restricted Working Space, Add	*83.22*	
23 21 16 00-0409	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,431.41	259.36
		For Work In Restricted Working Space, Add	*97.38*	
23 21 16 00-0410	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,799.77	434.81
		For Work In Restricted Working Space, Add	*163.46*	
23 21 16 00-0411	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,813.34	486.71
		For Work In Restricted Working Space, Add	*183.17*	
23 21 16 00-0412	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,229.95	621.92
		For Work In Restricted Working Space, Add	*231.77*	
23 21 16 00-0413		**Bag Filter And Mounting Stands** *(23 21 16)*		
23 21 16 00-0414		**Stainless Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0413)*		
23 21 16 00-0415	EA	4" Diameter Flanged, 395 GPM, 3-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	6,424.79	434.81
23 21 16 00-0416	EA	4" Diameter Flanged, 525 GPM, 4-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	7,369.79	434.81
23 21 16 00-0417	EA	6" Diameter Flanged, 785 GPM, 6-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	11,110.54	486.71
23 21 16 00-0418	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	15,388.52	621.92
23 21 16 00-0419	EA	10" Diameter Flanged, 2,115 GPM, 16-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	22,534.38	757.11
23 21 16 00-0420	EA	10" Diameter Flanged, 2,645 GPM, 20-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	26,145.13	757.11
23 21 16 00-0421	EA	4" Diameter Flanged PVC Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged PVC pipe headers with two 2" butterfly valves on each header.	5,527.95	867.03
23 21 16 00-0422	EA	4" Diameter Flanged Stainless Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged 304 stainless steel pipe headers with two 2" butterfly valves on each header.	7,417.95	867.03
23 21 16 00-0423	EA	4" Diameter Flanged Carbon Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	6,472.95	867.03
23 21 16 00-0424	EA	4" Diameter Flanged Carbon Steel Header, Dual 4" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 4" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	24,949.30	1,070.78
23 21 16 00-0425		**Carbon Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0413)*		
23 21 16 00-0426	EA	4" Diameter Flanged, 395 GPM, 3-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	4,954.79	434.81
23 21 16 00-0427	EA	4" Diameter Flanged, 525 GPM, 4-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,109.79	434.81
23 21 16 00-0428	EA	6" Diameter Flanged, 5,785 GPM, 6-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,910.54	486.71
23 21 16 00-0429	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	12,112.52	621.92
23 21 16 00-0430		**Air Vents** *(23 21 16)*		
23 21 16 00-0431		**Screwed Ends, Cast Iron, Automatic Air Vents** *(23 21 16 00-0430)* Note: With guided free floating lever.		
23 21 16 00-0432	EA	1/2" NPT, Cast Iron, Automatic Air Vent	349.09	44.24
23 21 16 00-0433	EA	3/4" NPT, Cast Iron, Automatic Air Vent	428.98	58.73
23 21 16 00-0434	EA	1" NPT, Cast Iron, Automatic Air Vent	946.89	61.02
23 21 16 00-0435	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,405.60	94.29
23 21 16 00-0436	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,320.01	101.46
23 21 16 00-0437	EA	2" NPT, Cast Iron, Automatic Air Vent	2,671.30	133.79
23 21 16 00-0438		**Forged Steel, Stainless Steel Internals, Automatic Air Vents** *(23 21 16 00-0430)* Note: With guided free floating lever.		
23 21 16 00-0439	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,105.93	51.11
23 21 16 00-0440	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,637.12	58.73
23 21 16 00-0441	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,142.86	61.02
23 21 16 00-0442	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,154.10	94.59
23 21 16 00-0443	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,949.69	101.46
23 21 16 00-0444	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	8,740.35	133.49
23 21 16 00-0445		**Manual Air Vent** *(23 21 16 00-0430)*		
23 21 16 00-0446	EA	Manual Air Vent	102.04	55.07
23 21 16 00-0447		**Air Release Valves** *(23 21 16 00-0430)*		
23 21 16 00-0448		**Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)** *(23 21 16 00-0447)* Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0449	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	212.97	22.89
23 21 16 00-0450	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	219.07	25.93
23 21 16 00-0451	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	231.28	32.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0452		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0447)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0453	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	845.42	32.03
23 21 16 00-0454	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,021.69	55.69
23 21 16 00-0455	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,343.33	129.84
23 21 16 00-0456		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0447)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0457	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	412.02	22.89
23 21 16 00-0458	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	509.95	32.03
23 21 16 00-0459	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	881.03	55.69
23 21 16 00-0460	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,279.63	129.84
23 21 16 00-0461	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	2,005.50	217.95
23 21 16 00-0462	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	3,038.31	275.59
23 21 16 00-0463		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0447)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0464	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	732.89	32.03
23 21 16 00-0465	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,127.85	55.69
23 21 16 00-0466	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,062.56	129.84
23 21 16 00-0467	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,687.58	217.95
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*		
		Note: For general service, 125 Lb. flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,463.83	407.52
		For Mechanical Seal, Add	*499.35*	
		For Cast Steel Case, Add	*1,123.54*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	8,170.62	493.24
		For Mechanical Seal, Add	*535.32*	
		For Cast Steel Case, Add	*1,204.46*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,450.84	585.98
		For Mechanical Seal, Add	*615.54*	
		For Cast Steel Case, Add	*1,384.97*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	10,638.92	781.30
		For Mechanical Seal, Add	*663.75*	
		For Cast Steel Case, Add	*1,493.44*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	12,177.87	851.56
		For Mechanical Seal, Add	*769.83*	
		For Cast Steel Case, Add	*1,732.13*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	18,060.72	937.28
		For Mechanical Seal, Add	*1,220.02*	
		For Cast Steel Case, Add	*2,745.05*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	21,252.93	1,170.55
		For Mechanical Seal, Add	*1,419.19*	
		For Cast Steel Case, Add	*3,193.17*	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	29,440.95	1,337.78
		For Mechanical Seal, Add	*2,034.08*	
		For Cast Steel Case, Add	*4,576.68*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	37,318.32	1,402.01
		For Mechanical Seal, Add	*2,648.97*	
		For Cast Steel Case, Add	*5,960.18*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	40,864.82	1,802.21
		For Mechanical Seal, Add	*2,836.55*	
		For Cast Steel Case, Add	*6,382.24*	
23 21 23 13-0012	EA	1/2 HP, 40 GPM At 25' Head, Single Stage Cast Iron In-Line Circulating Pump	1,627.46	283.85
23 21 23 13-0013	EA	3/4 HP, 50 GPM At 30' Head, Single Stage Cast Iron In-Line Circulating Pump	1,754.87	302.12
23 21 23 13-0014		Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*		
		Note: For general service, 125 Lb. flanged, 1,800 RPM TEFC motor.		
23 21 23 13-0015	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,448.34	233.97
23 21 23 13-0016	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,238.99	267.41
23 21 23 13-0017	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,612.48	299.45
23 21 23 13-0018	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,857.01	325.60
23 21 23 13-0019	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,307.84	356.50
23 21 23 13-0020	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,503.66	394.03
23 21 23 13-0021	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,446.01	467.94
23 21 23 13-0022	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,684.76	576.01
23 21 23 13-0023	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	11,101.01	623.92
23 21 23 13-0024	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,929.35	660.59
23 21 23 13-0025	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,517.04	701.91
23 21 23 13-0026	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,418.60	725.37
23 21 23 13-0027	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	18,320.16	748.70
23 21 23 13-0028	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,695.14	802.24
23 21 23 13-0029	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,473.56	914.60
23 21 23 13-0030	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	26,135.09	1,321.03
23 21 23 13-0031	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	31,542.93	2,642.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0032	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	36,344.16	3,170.45

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,938.99	445.46
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,766.85	446.02
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	10,223.15	585.98
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	11,243.67	720.88
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,541.07	720.88
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	12,240.17	781.30
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,977.79	781.30
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	14,173.71	819.24
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,831.39	1,041.27
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	16,790.26	1,170.55
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	26,398.41	2,777.42
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	37,857.21	3,332.31
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	43,164.73	4,165.39

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,056.39	327.42
		For 300 Lb. Flanges, Add	*1,616.49*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,928.84	351.31
		For 300 Lb. Flanges, Add	*2,100.47*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,182.27	375.20
		For 300 Lb. Flanges, Add	*2,639.43*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,063.21	445.46
		For 300 Lb. Flanges, Add	*3,065.06*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,728.99	446.02
		For 300 Lb. Flanges, Add	*3,221.46*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,395.16	585.98
		For 300 Lb. Flanges, Add	*3,335.31*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,710.09	585.98
		For 300 Lb. Flanges, Add	*3,414.04*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,407.68	585.98
		For 300 Lb. Flanges, Add	*3,588.44*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,905.94	720.88
		For 300 Lb. Flanges, Add	*4,152.20*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,192.19	720.32
		For 300 Lb. Flanges, Add	*4,210.68*	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,171.90	781.30
		For 300 Lb. Flanges, Add	*4,441.67*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	21,031.18	819.24
		For 300 Lb. Flanges, Add	*4,878.42*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	23,296.83	1,041.27
		For 300 Lb. Flanges, Add	*5,355.80*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	26,423.38	1,170.55
		For 300 Lb. Flanges, Add	*6,078.88*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	41,665.85	2,777.42
		For 300 Lb. Flanges, Add	*9,077.59*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	49,569.49	3,332.31
		For 300 Lb. Flanges, Add	*10,785.72*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	60,503.62	4,165.39
		For 300 Lb. Flanges, Add	*13,117.60*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,773.45	327.42
		For 300 Lb. Flanges, Add	*1,545.76*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,961.20	351.31
		For 300 Lb. Flanges, Add	*1,582.20*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,149.12	375.20
		For 300 Lb. Flanges, Add	*1,618.65*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,753.22	383.62
		For 300 Lb. Flanges, Add	*1,765.53*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,551.40	445.46
		For 300 Lb. Flanges, Add	*2,937.10*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	15,186.55	585.98
		For 300 Lb. Flanges, Add	*3,568.81*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,085.41	632.35
		For 300 Lb. Flanges, Add	*4,007.87*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	18,123.03	702.61
		For 300 Lb. Flanges, Add	*4,206.47*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	20,128.33	701.69
		For 300 Lb. Flanges, Add	*4,716.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,613.56	901.77
		For 300 Lb. Flanges, Add	*5,247.79*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,723.84	1,111.27
		For 300 Lb. Flanges, Add	*6,645.41*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	36,647.07	1,387.97
		For 300 Lb. Flanges, Add	*8,492.33*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	46,048.65	1,666.15
		For 300 Lb. Flanges, Add	*10,708.84*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	54,514.56	1,850.62
		For 300 Lb. Flanges, Add	*12,736.06*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	62,860.44	2,380.22
		For 300 Lb. Flanges, Add	*14,567.50*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	42,288.48	720.88
		For 300 Lb. Flanges, Add	*10,247.84*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,653.29	781.30
		For 300 Lb. Flanges, Add	*11,062.02*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,880.70	1,026.13
		For 300 Lb. Flanges, Add	*14,750.32*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	71,184.68	1,409.98
		For 300 Lb. Flanges, Add	*17,150.12*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	98,734.47	1,879.98
		For 300 Lb. Flanges, Add	*23,822.21*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,223.97	421.56
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,754.59	421.56
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,498.33	444.99
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,967.72	444.99
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	9,134.22	467.94
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,830.08	563.33
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	14,193.05	693.97
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	15,198.18	751.11
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,570.86	811.20

23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,589.94	217.71
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,695.59	230.82
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,967.91	245.78

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)*

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,960.22	1,041.27
		For Each Extra Column Assembly <60", Add	*1,179.27*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*495.95*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*356.35*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	16,036.78	1,170.55
		For Each Extra Column Assembly <60", Add	*1,345.90*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*578.51*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*418.15*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	19,312.05	1,111.27
		For Each Extra Column Assembly <60", Add	*1,624.66*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*692.79*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*499.67*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	22,698.17	1,282.35
		For Each Extra Column Assembly <60", Add	*1,898.25*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*825.53*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*598.55*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	27,879.65	1,387.97
		For Each Extra Column Assembly <60", Add	*2,319.63*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,025.93*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*747.13*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	36,595.00	1,666.15
		For Each Extra Column Assembly <60", Add	*3,034.71*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,356.69*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*990.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	43,837.44	2,082.69
		For Each Extra Column Assembly <60", Add	*3,640.88*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,619.61*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,181.24*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	69,809.53	2,380.22
		For Each Extra Column Assembly <60", Add	*5,737.78*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,639.37*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,941.27*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	91,393.26	2,777.42
		For Each Extra Column Assembly <60", Add	*7,489.98*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,477.21*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,563.28*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	127,712.36	3,332.31
		For Each Extra Column Assembly <60", Add	*10,431.21*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*4,894.27*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,617.15*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	259.44	45.67
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	280.47	45.67
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	432.89	52.69

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	144.71	35.13
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	153.69	35.13
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	252.56	45.67
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	273.49	52.69
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	495.87	59.72

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 Steam Temperature Regulator, Iron Body *(23 22 16)*

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,421.77	22.54
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,499.10	30.37
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,988.10	37.41
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,197.97	47.28
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,258.21	54.32
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,666.01	59.11
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,409.83	108.27
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,555.85	118.07
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,139.36	276.36
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,542.32	324.36

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,102.55	22.54
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,180.92	30.37
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,280.87	37.41
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,731.39	47.28
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,928.01	54.32
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,323.75	59.11
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,102.37	108.27
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,691.92	118.07
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,643.51	276.36
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,196.11	324.36

23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,861.60	22.54
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,906.85	30.37
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,183.29	37.41
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,469.38	47.28
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,597.81	54.32
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,057.74	59.11
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,508.81	108.27
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,893.22	118.07
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,777.92	276.36
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,326.56	324.36

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0035		Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,663.74	22.54
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,705.00	30.37
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,025.54	37.41
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,199.30	47.28
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,363.85	54.32
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,751.59	59.11
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,909.88	108.27
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,450.94	118.07
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,335.64	276.36
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,884.29	324.36
23 22 16 00-0046		High Temperature Safety Relief Valve *(23 22 16)*		
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047		Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0046)*		
		Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.		
23 22 16 00-0048		Threaded *(23 22 16 00-0047)*		
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	545.75	23.48
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	574.00	27.79
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	637.22	35.23
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	782.16	39.14
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	999.63	48.14
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,533.49	54.79
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,664.70	63.01
23 22 16 00-0056		Flanged *(23 22 16 00-0047)*		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,743.60	164.37
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,373.30	247.09
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,819.34	227.54
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,867.74	328.64
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,234.11	245.08
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,335.48	328.64
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,253.12	466.37
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,262.81	520.85
23 22 16 00-0065		Bronze Body Safety Valve, Threaded, Steam *(23 22 16 00-0046)*		
		Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.		
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	590.38	21.52
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	605.96	23.48
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	707.86	25.83
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	781.03	27.79
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	902.97	31.31
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	910.67	35.23
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,022.22	37.18
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,112.83	39.14
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,536.26	43.83
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,679.16	48.14
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	2,001.32	54.79
23 22 16 00-0077		Bronze Body Safety Valve, Threaded, Water *(23 22 16 00-0046)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	287.35	21.52
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	326.58	23.48
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	446.84	25.83
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	491.43	27.79
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	703.48	31.31
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	944.76	37.18
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,369.43	43.83
23 22 16 00-0085		Steam Traps *(23 22 16)*		
23 22 16 00-0086		Inverted Bucket Steam Traps *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	362.78	45.77
		For Work In Restricted Working Space, Add	*27.46*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	366.61	47.67
		For Work In Restricted Working Space, Add	*28.61*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	538.35	50.80
		For Work In Restricted Working Space, Add	*30.51*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	866.42	69.34
		For Work In Restricted Working Space, Add	*41.61*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,283.61	85.43
		For Work In Restricted Working Space, Add	*50.85*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,644.42	127.14
		For Work In Restricted Working Space, Add	*76.28*	
23 22 16 00-0093		Float And Thermostatic Steam Traps *(23 22 16 00-0085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	383.25	47.67
		For Work In Restricted Working Space, Add	*28.61*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	500.85	50.85
		For Work In Restricted Working Space, Add	*30.51*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	621.64	69.34
		For Work In Restricted Working Space, Add	*41.61*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	904.53	84.75
		For Work In Restricted Working Space, Add	*50.86*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,522.29	127.09
		For Work In Restricted Working Space, Add	*76.28*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	483.48	47.67
		For Work In Restricted Working Space, Add	*28.61*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	525.11	50.80
		For Work In Restricted Working Space, Add	*30.51*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	687.78	69.34
		For Work In Restricted Working Space, Add	*41.61*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,064.61	84.67
		For Work In Restricted Working Space, Add	*50.86*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,670.04	127.13
		For Work In Restricted Working Space, Add	*76.28*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	622.41	47.67
		For Work In Restricted Working Space, Add	*28.61*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	692.71	50.85
		For Work In Restricted Working Space, Add	*30.51*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,051.66	69.34
		For Work In Restricted Working Space, Add	*41.61*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,265.09	84.67
		For Work In Restricted Working Space, Add	*50.86*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,086.82	127.14
		For Work In Restricted Working Space, Add	*76.28*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	631.23	47.67
		For Work In Restricted Working Space, Add	*28.61*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	692.71	50.85
		For Work In Restricted Working Space, Add	*30.51*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,051.66	69.34
		For Work In Restricted Working Space, Add	*41.61*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,265.09	84.67
		For Work In Restricted Working Space, Add	*50.86*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,086.82	127.13
		For Work In Restricted Working Space, Add	*76.28*	

23 22 16 00-0114 Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	193.84	45.77
		For Work In Restricted Working Space, Add	*27.46*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	313.66	47.67
		For Work In Restricted Working Space, Add	*28.61*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	384.49	50.80
		For Work In Restricted Working Space, Add	*30.52*	

23 22 16 00-0118 Thermodynamic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	407.47	41.19
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	572.28	45.77
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	706.20	47.67
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	941.89	50.80

23 22 16 00-0123 Steam Moisture Separator *(23 22 16 00-0085)*

23 22 16 00-0124	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,071.08	115.95
23 22 16 00-0125	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,675.27	132.73
23 22 16 00-0126	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,067.09	203.37
23 22 16 00-0127	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,089.72	221.21
23 22 16 00-0128	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,549.26	259.36
23 22 16 00-0129	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,884.63	434.81
23 22 16 00-0130	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,447.09	549.23

23 22 16 00-0131 Steam/Condensate Meter *(23 22 16)*

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

23 22 16 00-0132	EA	1" Steam/Condensate Meter	12,909.89	129.74
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0133	EA	2" Steam/Condensate Meter	14,560.41	152.45
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0134	EA	2-1/2" Steam/Condensate Meter	15,419.56	189.22
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0135	EA	3" Steam/Condensate Meter	16,308.98	248.68
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	4" Steam/Condensate Meter	18,292.31	386.36
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	6" Steam/Condensate Meter	31,481.21	488.71
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	8" Steam/Condensate Meter	32,507.89	617.02
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	10" Steam/Condensate Meter	33,909.05	756.86
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	12" Steam/Condensate Meter	35,430.49	919.03
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	14" Steam/Condensate Meter	37,627.03	1,081.22
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	16" Steam/Condensate Meter	38,896.36	1,189.34
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*
Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,304.32	715.26
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,881.87	734.93
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,020.52	784.12
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,296.08	792.55
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,673.01	862.80
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,227.00	862.80
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,333.15	921.83
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,436.89	963.99
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,516.18	1,006.14

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,620.72	764.44
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,324.16	784.12
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,460.71	836.11
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,975.71	903.56
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,333.15	923.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,483.55	955.55
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,659.57	1,006.14
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,524.45	1,070.79
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,931.30	876.86
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,616.22	947.12
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,187.81	935.88
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,458.87	955.55
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,583.81	996.31
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,516.18	1,006.14
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,629.36	1,070.79
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,223.49	949.93
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,903.91	969.61
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,427.55	976.63
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,695.75	1,062.35
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,758.63	1,145.26
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,707.01	959.77
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,943.98	1,053.92
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,271.37	1,062.35
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,760.47	1,157.91
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,437.89	1,157.91
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,590.23	1,247.84
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,731.13	1,302.64
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,936.87	1,367.28
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,713.06	1,034.25
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,955.49	1,129.81
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,474.73	1,101.69
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,590.23	1,247.84
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,782.71	1,294.22
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,690.01	1,367.28
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,084.42	1,465.65
23 22 23 13-0053		**40 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,157.20	1,219.74
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,664.71	1,274.54
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,797.52	1,294.22
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,004.50	1,358.86
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,938.10	1,367.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,114.04	1,465.65
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,362.10	1,219.74
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,797.64	1,340.58
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,181.66	1,455.81
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	12,073.21	1,576.67

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001 Ball Valves *(23 23 13)*

23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	60.37	15.66
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	62.89	15.66
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	81.00	15.66
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	108.55	17.22
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	149.52	19.57
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	240.83	24.10

23 23 13 00-0009 Shut-Off Valves *(23 23 13)*

23 23 13 00-0010 Packless *(23 23 13 00-0009)*

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	73.50	15.87
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	91.02	17.39
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	182.52	23.80

23 23 13 00-0014 Packed *(23 23 13 00-0009)*

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	321.61	34.64
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	428.58	42.41
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	520.71	47.75
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	739.25	54.47
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,248.22	152.56
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,634.64	190.70
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,318.59	254.33

23 23 13 00-0022 Check Valves *(23 23 13)*

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	94.49	15.26
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	282.74	16.78
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	328.50	19.07
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	441.28	20.29
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	578.08	23.49
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	851.00	27.77
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,191.87	40.74
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,570.90	53.40

23 23 13 00-0031 Solenoid Valves *(23 23 13)*

23 23 13 00-0032 Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	239.80	15.26
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	245.33	15.26
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	304.36	16.78
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	304.36	16.78
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	423.73	19.07
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	675.01	20.29
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,229.33	23.49
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,250.66	27.77

23 23 16 Refrigerant Piping Specialties *(23 23)*

23 23 16 00-0001 Soft Refrigeration Copper Tubing *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0313 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	6.21	3.63
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	6.49	3.72
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	6.76	3.83
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	7.18	3.89
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	7.38	3.95
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	8.21	4.15
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	8.93	4.19
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	9.70	4.35
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	12.37	5.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	15.54	5.85
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	22.03	6.91
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	26.40	7.73

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0313 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.32	4.38
		For Medical Applications "Oxygen Clean", Add	*0.75*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	9.17	4.38
		For Medical Applications "Oxygen Clean", Add	*0.79*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.72	4.38
		For Medical Applications "Oxygen Clean", Add	*0.82*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	13.81	6.40
		For Medical Applications "Oxygen Clean", Add	*1.17*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.05	6.87
		For Medical Applications "Oxygen Clean", Add	*1.27*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	17.19	6.87
		For Medical Applications "Oxygen Clean", Add	*1.37*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	21.25	7.94
		For Medical Applications "Oxygen Clean", Add	*1.66*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	25.57	9.16
		For Medical Applications "Oxygen Clean", Add	*1.97*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	35.76	11.44
		For Medical Applications "Oxygen Clean", Add	*2.65*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	53.68	17.24
		For Medical Applications "Oxygen Clean", Add	*3.98*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	69.14	21.36
		For Medical Applications "Oxygen Clean", Add	*5.06*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	87.60	25.99
		For Medical Applications "Oxygen Clean", Add	*6.33*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	106.79	30.51
		For Medical Applications "Oxygen Clean", Add	*7.63*	

23 23 16 00-0028 Refrigeration Fittings *(23 23 16)*

23 23 16 00-0029 Brass Flare Fittings *(23 23 16 00-0028)*

23 23 16 00-0030 Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0031	EA	3/8" Brass Flare Union	36.93	16.91
23 23 16 00-0032	EA	1/2" Brass Flare Union	36.93	16.91
23 23 16 00-0033	EA	5/8" Brass Flare Union	39.93	16.91

23 23 16 00-0034 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	38.75	16.91
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	38.75	16.91
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	48.81	16.91

23 23 16 00-0038 Brass Flare Tees *(23 23 16 00-0029)*

23 23 16 00-0039	EA	3/8" Brass Flare Tee	59.45	28.17
23 23 16 00-0040	EA	1/2" Brass Flare Tee	63.94	28.17
23 23 16 00-0041	EA	5/8" Brass Flare Tee	88.36	28.17

23 23 16 00-0042 Male Connector, Half Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	28.67	16.91
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	31.68	16.91
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	35.96	16.91

23 23 16 00-0046 Female Connector, Half Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	32.54	16.91
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	36.61	16.91
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	36.61	16.91

23 23 16 00-0050 Long Forged Nuts *(23 23 16 00-0029)*

23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	30.50	16.91
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	31.68	16.91
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	44.74	16.91

23 23 16 00-0054 Short Forged Nuts *(23 23 16 00-0029)*

23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	28.80	16.91
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	31.51	16.91
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	32.07	16.91

23 23 16 00-0058 ACR Wrought Copper Fittings *(23 23 16 00-0028)*

Note: Soldered.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	27.98	16.91
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	27.50	16.91
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	28.21	16.91
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	28.34	17.24
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	40.62	22.73
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	39.86	23.34
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	53.21	28.99
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	76.70	39.67
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	92.59	46.53
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	122.56	56.45
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	214.05	85.74
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	285.63	112.74
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	465.86	133.95
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	34.43	16.91
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	34.91	16.91
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	34.43	16.91
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	36.71	17.24
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	53.78	22.73
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	54.46	23.34
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	69.50	28.99
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	86.09	39.67
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	111.32	46.53
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	160.15	56.45
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	279.78	85.74
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	359.16	112.74
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	687.36	133.95
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	42.49	16.91
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	38.23	16.91
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	41.61	16.91
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	40.60	17.24
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	49.04	22.73
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	53.95	23.34
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	73.97	28.99
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	109.08	39.67
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	136.42	46.53
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	259.72	56.45
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	405.81	85.74
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	536.27	112.74
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	1,184.47	133.95
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	48.35	16.91
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	42.49	16.91
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	39.99	16.91
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	31.84	17.24
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	60.02	22.73
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	45.32	23.34
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	69.44	28.99
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	94.36	39.67
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	111.85	46.53
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	154.69	56.45
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	277.95	85.74
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	377.62	112.74
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	645.15	133.95
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)* Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	60.60	28.17
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	61.63	28.17
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	57.81	28.17
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	57.31	34.64
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	87.30	34.64
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	65.89	35.09
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	110.93	46.53
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	140.14	56.45
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	186.09	66.97
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	267.48	89.25
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	561.69	194.83
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	708.12	214.20
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	1,293.32	238.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)* Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	54.17	16.91
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	63.53	16.91
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	47.97	16.91
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)* Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	50.49	16.91
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	45.12	16.91
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	47.15	16.91
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)* Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	21.34	11.28
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	19.64	11.28
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	21.30	11.28
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	149.38	14.06
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	206.18	15.46
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	175.21	15.46
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	242.64	16.86
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	423.93	16.86
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	605.83	18.26
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	1,121.35	19.68
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	71.12	21.08
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	86.09	25.30
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	103.67	30.92
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	114.54	35.13
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	153.23	44.96
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	178.41	54.80
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	268.26	64.64
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	334.09	88.53
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	410.87	109.61
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	588.45	12.64
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	600.94	15.46
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	769.61	15.46
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	775.90	16.86
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	871.77	18.26
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	995.27	19.68
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,165.77	21.08
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,455.56	21.08
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	108.42	12.64
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	138.56	12.64
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	176.26	14.06
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	202.77	14.06
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	223.77	14.06
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	253.00	14.06
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	285.36	15.46
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	401.23	15.46
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	439.81	15.46
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	144.70	12.64
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	164.38	12.64
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	197.39	14.06
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	174.62	12.64
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	218.51	14.06
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	256.63	14.06
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	134.26	12.64
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	148.38	12.64
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	178.35	12.64
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	239.97	15.46
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	314.14	15.46
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	373.81	16.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	472.73	18.26
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	834.91	19.68
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	941.01	21.08
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,165.99	21.08
23 23 16 00-0197		Expansion Valves And Vibration Absorbers *(23 23 16)*		
23 23 16 00-0198		Thermostatic Expansion Valves *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	271.03	12.64
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	376.98	14.06
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	628.87	14.06
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	746.13	15.46
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	816.39	15.46
23 23 16 00-0204		Electric Expansion Valves *(23 23 16 00-0197)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	650.99	17.57
		Note: Sporlan SEI.		
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	751.07	18.26
		Note: Sporlan SEI.		
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	851.71	18.97
		Note: Sporlan SEI.		
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	1,006.01	18.97
		Note: Sporlan SEH.		
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	1,131.21	19.68
		Note: Sporlan SEH.		
23 23 16 00-0210		Braided Stainless Steel Over Copper Vibration Absorber *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	72.15	18.26
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	74.32	21.08
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	95.76	26.70
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	104.31	32.32
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	123.42	39.34
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	142.35	44.96
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	202.75	16.86
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	281.08	18.26
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	347.96	18.26
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	468.45	19.68
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	786.68	21.08
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	1,027.65	21.08
23 23 16 00-0223		Accumulator, Refrigerant Suction Line *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	232.86	63.94
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	316.04	87.83
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	381.15	117.06
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	528.63	140.52
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	722.37	175.65
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	1,087.20	234.25
23 23 16 00-0230		Special Chemicals/Component *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	32.52	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	10.90	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	22.58	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush	387.40	
		Note: Up to 10 ton AC system.		
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		Refrigerant *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.57	
23 23 23 00-0003	LB	R-134A Refrigerant	14.10	
23 23 23 00-0004	LB	R-410A Refrigerant	14.78	
23 23 23 00-0005	LB	R-32 Refrigerant	19.72	
23 23 23 00-0006	LB	R-452A Refrigerant	22.06	
23 23 23 00-0007	LB	R-453A Refrigerant	25.67	
23 23 23 00-0008	LB	R-454A Refrigerant	35.10	
23 23 23 00-0009	LB	R-454B Refrigerant	28.14	
23 25		**HVAC Water Treatment** *(23 20)*		
23 25 13		**Water Treatment for Closed-Loop Hydronic Systems** *(23 25)*		
23 25 13 00-0001		Polyethylene Chemical Storage Tanks *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	511.56	117.32
23 25 13 00-0003		Bypass Shot Feeders *(23 25 13)*		
		Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0004		**In Line Mount, 125 PSIG** *(23 25 13 00-0003)*		
23 25 13 00-0005	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,351.04	397.68
23 25 13 00-0006		**Floor Mount, 175 PSIG** *(23 25 13 00-0003)*		
23 25 13 00-0007	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,997.10	598.63
23 25 13 00-0008	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,636.04	792.55
23 25 13 00-0009		**Floor Mount, 150 Lb. ASME Code** *(23 25 13 00-0003)*		
23 25 13 00-0010	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,997.10	598.63
23 25 13 00-0011	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,636.04	792.55
23 25 13 00-0012		**Floor Mount, 300 Lb. ASME Code** *(23 25 13 00-0003)*		
23 25 13 00-0013	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,381.81	598.63
23 25 13 00-0014	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	3,035.51	792.55
23 25 13 00-0015		**Gas Chlorinator** *(23 25 13)*		
23 25 13 00-0016	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,445.94	547.91
		For Booster Pump, Add	*596.86*	
23 25 13 00-0017	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,652.22	626.18
		For Booster Pump, Add	*682.30*	
23 25 13 00-0018	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	2,196.25	474.33
		For Booster Pump, Add	*819.80*	

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0393 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001		**Steel Sheet Metal Duct** *(23 31 13 13)*		
		Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.		
23 31 13 13-0002		**Galvanized Steel Sheet Metal Ductwork And Sealant** *(23 31 13 13-0001)*		
		Note: SMACNA weight for galvanized steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.906 Lbs./SF; 24 gauge - 1.156 Lbs./SF; 22 gauge - 1.406 Lbs./SF; 20 gauge - 1.656 Lbs./SF; 18 gauge - 2.156 Lbs./SF; 16 gauge - 2.656 Lbs./SF		
23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	14.44	3.88
		For Polyvinyl Chloride (PVC) Coated, Add	*0.50*	
		For Up To 200, Add	*5.08*	
		For >200 To 500, Add	*3.22*	
		For >500 To 1,000, Add	*2.20*	
		For >1,000 To 2,000, Add	*1.23*	
		For >2,000 To 5,000, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.58*	
		For Elevated Installation >10' To 15', Add	*0.72*	
		For Elevated Installation >15' To 20', Add	*1.43*	
		For Elevated Installation >20' To 25', Add	*1.79*	
		For Elevated Installation >25' To 30', Add	*2.51*	
		For Elevated Installation >30' To 35', Add	*2.87*	
		For Elevated Installation >35' To 40', Add	*3.58*	
		For Elevated Installation >40', Add	*3.94*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	16.49	3.88
		For Polyvinyl Chloride (PVC) Coated, Add	*0.55*	
		For Up To 200, Add	*5.77*	
		For >200 To 500, Add	*3.66*	
		For >500 To 1,000, Add	*2.50*	
		For >1,000 To 2,000, Add	*1.40*	
		For >2,000 To 5,000, Add	*0.63*	
		For Work In Restricted Working Space, Add	*4.12*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.65*	
		For Elevated Installation >20' To 25', Add	*2.06*	
		For Elevated Installation >25' To 30', Add	*2.89*	
		For Elevated Installation >30' To 35', Add	*3.30*	
		For Elevated Installation >35' To 40', Add	*4.12*	
		For Elevated Installation >40', Add	*4.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	19.71	3.88
		For Polyvinyl Chloride (PVC) Coated, Add	*0.60*	
		For Up To 200, Add	*6.81*	
		For >200 To 500, Add	*4.30*	
		For >500 To 1,000, Add	*2.97*	
		For >1,000 To 2,000, Add	*1.67*	
		For >2,000 To 5,000, Add	*0.76*	
		For Work In Restricted Working Space, Add	*5.02*	
		For Elevated Installation >10' To 15', Add	*1.00*	
		For Elevated Installation >15' To 20', Add	*2.01*	
		For Elevated Installation >20' To 25', Add	*2.51*	
		For Elevated Installation >25' To 30', Add	*3.51*	
		For Elevated Installation >30' To 35', Add	*4.01*	
		For Elevated Installation >35' To 40', Add	*5.02*	
		For Elevated Installation >40', Add	*5.52*	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for aluminum ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.224 Lbs./SF; 24 gauge - 0.282 Lbs./SF; 22 gauge - 0.352 Lbs./SF; 20 gauge - 0.451 Lbs./SF; 18 gauge - 0.563 Lbs./SF; 16 gauge - 0.718 Lbs./SF; 14 gauge – 0.901 Lbs./SF; 12 gauge – 0.141 Lbs./SF

23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	28.21	3.88
		For Work In Restricted Working Space, Add	*7.08*	
		For Up To 200, Add	*9.85*	
		For >200 To 500, Add	*6.23*	
		For >500 To 1,000, Add	*4.27*	
		For >1,000 To 2,000, Add	*2.40*	
		For >2,000 To 5,000, Add	*1.08*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.83*	
		For Elevated Installation >20' To 25', Add	*3.54*	
		For Elevated Installation >25' To 30', Add	*4.96*	
		For Elevated Installation >30' To 35', Add	*5.66*	
		For Elevated Installation >35' To 40', Add	*7.08*	
		For Elevated Installation >40', Add	*7.79*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	32.00	3.88
		For Work In Restricted Working Space, Add	*8.14*	
		For Up To 200, Add	*11.06*	
		For >200 To 500, Add	*6.98*	
		For >500 To 1,000, Add	*4.82*	
		For >1,000 To 2,000, Add	*2.71*	
		For >2,000 To 5,000, Add	*1.23*	
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.07*	
		For Elevated Installation >25' To 30', Add	*5.70*	
		For Elevated Installation >30' To 35', Add	*6.51*	
		For Elevated Installation >35' To 40', Add	*8.14*	
		For Elevated Installation >40', Add	*8.96*	
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	38.15	3.88
		For Work In Restricted Working Space, Add	*9.91*	
		For Up To 200, Add	*12.98*	
		For >200 To 500, Add	*8.14*	
		For >500 To 1,000, Add	*5.70*	
		For >1,000 To 2,000, Add	*3.21*	
		For >2,000 To 5,000, Add	*1.47*	
		For Elevated Installation >10' To 15', Add	*1.98*	
		For Elevated Installation >15' To 20', Add	*3.96*	
		For Elevated Installation >20' To 25', Add	*4.96*	
		For Elevated Installation >25' To 30', Add	*6.94*	
		For Elevated Installation >30' To 35', Add	*7.93*	
		For Elevated Installation >35' To 40', Add	*9.91*	
		For Elevated Installation >40', Add	*10.90*	

23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for stainless steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.748 Lbs./SF; 24 gauge - 0.987 Lbs./SF; 22 gauge – 1.231 Lbs./SF; 20 gauge - 1.491 Lbs./SF; 18 gauge - 2.016 Lbs./SF; 16 gauge - 2.499 Lbs./SF; 14 gauge – 3.154 Lbs./SF; Lbs./SF; gauge – 4.427 Lbs./SF

23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	20.70	5.17
		For Work In Restricted Working Space, Add	*4.35*	
		For Welded Seams, Add	*7.56*	
		For Up To 200, Add	*8.07*	
		For >200 To 500, Add	*5.28*	
		For >500 To 1,000, Add	*3.33*	
		For >1,000 To 2,000, Add	*1.84*	
		For >2,000 To 5,000, Add	*0.77*	
		For Elevated Installation >10' To 15', Add	*0.87*	
		For Elevated Installation >15' To 20', Add	*1.74*	
		For Elevated Installation >20' To 25', Add	*2.18*	
		For Elevated Installation >25' To 30', Add	*3.05*	
		For Elevated Installation >30' To 35', Add	*3.48*	
		For Elevated Installation >35' To 40', Add	*4.35*	
		For Elevated Installation >40', Add	*4.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	23.94	5.17
		For Work In Restricted Working Space, Add	*5.25*	
		For Welded Seams, Add	*9.07*	
		For Up To 200, Add	*9.12*	
		For >200 To 500, Add	*5.92*	
		For >500 To 1,000, Add	*3.80*	
		For >1,000 To 2,000, Add	*2.11*	
		For >2,000 To 5,000, Add	*0.89*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.67*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.25*	
		For Elevated Installation >40', Add	*5.77*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	27.00	5.17
		For Work In Restricted Working Space, Add	*6.09*	
		For Welded Seams, Add	*10.49*	
		For Up To 200, Add	*10.11*	
		For >200 To 500, Add	*6.54*	
		For >500 To 1,000, Add	*4.25*	
		For >1,000 To 2,000, Add	*2.36*	
		For >2,000 To 5,000, Add	*1.01*	
		For Elevated Installation >10' To 15', Add	*1.22*	
		For Elevated Installation >15' To 20', Add	*2.44*	
		For Elevated Installation >20' To 25', Add	*3.05*	
		For Elevated Installation >25' To 30', Add	*4.26*	
		For Elevated Installation >30' To 35', Add	*4.87*	
		For Elevated Installation >35' To 40', Add	*6.09*	
		For Elevated Installation >40', Add	*6.70*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.81	3.11
		For Seal Class B, Add	*0.95*	
		For Seal Class A, Add	*2.54*	
		For Up To 20', Add	*0.74*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.18*	
		For >500', Deduct	*-0.31*	
		For 28 Gauge, Deduct	*-0.34*	
		For 24 Gauge, Add	*0.34*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.02*	
		For 18 Gauge, Add	*1.35*	
		For 16 Gauge, Add	*1.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.82*	
		For Work In Restricted Working Space, Add	*1.91*	
		For Elevated Installation >10' To 15', Add	*0.64*	
		For Elevated Installation >15' To 20', Add	*1.27*	
		For Elevated Installation >20' To 25', Add	*1.59*	
		For Elevated Installation >25' To 30', Add	*2.22*	
		For Elevated Installation >30' To 35', Add	*2.54*	
		For Elevated Installation >35' To 40', Add	*3.18*	
		For Elevated Installation >40', Add	*3.49*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.16	3.52
		For Seal Class B, Add	*1.06*	
		For Seal Class A, Add	*2.82*	
		For Up To 20', Add	*0.93*	
		For >20' To 50', Add	*0.37*	
		For >200' To 500', Deduct	*-0.23*	
		For >500', Deduct	*-0.39*	
		For 28 Gauge, Deduct	*-0.43*	
		For 24 Gauge, Add	*0.43*	
		For 22 Gauge, Add	*0.86*	
		For 20 Gauge, Add	*1.29*	
		For 18 Gauge, Add	*1.71*	
		For 16 Gauge, Add	*2.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.30*	
		For Work In Restricted Working Space, Add	*2.12*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.41*	
		For Elevated Installation >20' To 25', Add	*1.76*	
		For Elevated Installation >25' To 30', Add	*2.47*	
		For Elevated Installation >30' To 35', Add	*2.82*	
		For Elevated Installation >35' To 40', Add	*3.53*	
		For Elevated Installation >40', Add	*3.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.52	4.23
		For Seal Class B, Add	*1.19*	
		For Seal Class A, Add	*3.17*	
		For Up To 20', Add	*1.08*	
		For >20' To 50', Add	*0.43*	
		For >200' To 500', Deduct	*-0.27*	
		For >500', Deduct	*-0.45*	
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*0.99*	
		For 20 Gauge, Add	*1.49*	
		For 18 Gauge, Add	*1.97*	
		For 16 Gauge, Add	*2.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.66*	
		For Work In Restricted Working Space, Add	*2.38*	
		For Elevated Installation >10' To 15', Add	*0.79*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.98*	
		For Elevated Installation >25' To 30', Add	*2.78*	
		For Elevated Installation >30' To 35', Add	*3.17*	
		For Elevated Installation >35' To 40', Add	*3.97*	
		For Elevated Installation >40', Add	*4.36*	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	12.94	4.93
		For Seal Class B, Add	*1.36*	
		For Seal Class A, Add	*3.63*	
		For Up To 20', Add	*1.16*	
		For >20' To 50', Add	*0.46*	
		For >200' To 500', Deduct	*-0.29*	
		For >500', Deduct	*-0.48*	
		For 28 Gauge, Deduct	*-0.54*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.07*	
		For 20 Gauge, Add	*1.60*	
		For 18 Gauge, Add	*2.13*	
		For 16 Gauge, Add	*2.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.86*	
		For Work In Restricted Working Space, Add	*2.72*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.81*	
		For Elevated Installation >20' To 25', Add	*2.27*	
		For Elevated Installation >25' To 30', Add	*3.17*	
		For Elevated Installation >30' To 35', Add	*3.63*	
		For Elevated Installation >35' To 40', Add	*4.54*	
		For Elevated Installation >40', Add	*4.99*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	14.72	5.64
		For Seal Class B, Add	*1.59*	
		For Seal Class A, Add	*4.23*	
		For Up To 20', Add	*1.25*	
		For >20' To 50', Add	*0.50*	
		For >200' To 500', Deduct	*-0.31*	
		For >500', Deduct	*-0.52*	
		For 28 Gauge, Deduct	*-0.57*	
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.14*	
		For 20 Gauge, Add	*1.72*	
		For 18 Gauge, Add	*2.28*	
		For 16 Gauge, Add	*2.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*3.17*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.11*	
		For Elevated Installation >20' To 25', Add	*2.64*	
		For Elevated Installation >25' To 30', Add	*3.70*	
		For Elevated Installation >30' To 35', Add	*4.23*	
		For Elevated Installation >35' To 40', Add	*5.29*	
		For Elevated Installation >40', Add	*5.81*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	18.74	7.05
		For Seal Class B, Add	*1.90*	
		For Seal Class A, Add	*5.08*	
		For Up To 20', Add	*1.82*	
		For >20' To 50', Add	*0.73*	
		For >200' To 500', Deduct	*-0.45*	
		For >500', Deduct	*-0.76*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.67*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.33*	
		For 16 Gauge, Add	*4.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.48*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.54*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.44*	
		For Elevated Installation >30' To 35', Add	*5.08*	
		For Elevated Installation >35' To 40', Add	*6.35*	
		For Elevated Installation >40', Add	*6.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	22.93	9.45
		For Seal Class B, Add	*2.38*	
		For Seal Class A, Add	*6.34*	
		For Up To 20', Add	*2.12*	
		For >20' To 50', Add	*0.85*	
		For >200' To 500', Deduct	*-0.53*	
		For >500', Deduct	*-0.88*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.98*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.93*	
		For 18 Gauge, Add	*3.89*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.23*	
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.97*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	27.86	14.10
		For Seal Class B, Add	*2.97*	
		For Seal Class A, Add	*7.93*	
		For Up To 20', Add	*2.41*	
		For >20' To 50', Add	*0.96*	
		For >200' To 500', Deduct	*-0.60*	
		For >500', Deduct	*-1.00*	
		For 28 Gauge, Deduct	*-1.11*	
		For 24 Gauge, Add	*1.11*	
		For 22 Gauge, Add	*2.21*	
		For 20 Gauge, Add	*3.32*	
		For 18 Gauge, Add	*4.42*	
		For 16 Gauge, Add	*5.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.94*	
		For Work In Restricted Working Space, Add	*5.95*	
		For Elevated Installation >10' To 15', Add	*1.98*	
		For Elevated Installation >15' To 20', Add	*3.97*	
		For Elevated Installation >20' To 25', Add	*4.96*	
		For Elevated Installation >25' To 30', Add	*6.94*	
		For Elevated Installation >30' To 35', Add	*7.93*	
		For Elevated Installation >35' To 40', Add	*9.92*	
		For Elevated Installation >40', Add	*10.91*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	37.47	18.90
		For Seal Class B, Add	*3.97*	
		For Seal Class A, Add	*10.58*	
		For Up To 20', Add	*3.31*	
		For >20' To 50', Add	*1.32*	
		For >200' To 500', Deduct	*-0.83*	
		For >500', Deduct	*-1.38*	
		For 28 Gauge, Deduct	*-1.53*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.04*	
		For 20 Gauge, Add	*4.57*	
		For 18 Gauge, Add	*6.07*	
		For 16 Gauge, Add	*7.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.16*	
		For Work In Restricted Working Space, Add	*7.93*	
		For Elevated Installation >10' To 15', Add	*2.64*	
		For Elevated Installation >15' To 20', Add	*5.29*	
		For Elevated Installation >20' To 25', Add	*6.61*	
		For Elevated Installation >25' To 30', Add	*9.25*	
		For Elevated Installation >30' To 35', Add	*10.58*	
		For Elevated Installation >35' To 40', Add	*13.22*	
		For Elevated Installation >40', Add	*14.54*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	53.05	22.70
		For Up To 20', Add	*6.40*	
		For >20' To 50', Add	*2.56*	
		For >200' To 500', Deduct	*-1.60*	
		For >500', Deduct	*-2.67*	
		For 28 Gauge, Deduct	*-2.95*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.87*	
		For 20 Gauge, Add	*8.83*	
		For 18 Gauge, Add	*11.73*	
		For 16 Gauge, Add	*14.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.78*	
		For Work In Restricted Working Space, Add	*9.52*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.35*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.11*	
		For Elevated Installation >30' To 35', Add	*12.69*	
		For Elevated Installation >35' To 40', Add	*15.87*	
		For Elevated Installation >40', Add	*17.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	60.46	26.23
		For Up To 20', Add	*7.14*	
		For >20' To 50', Add	*2.86*	
		For >200' To 500', Deduct	*-1.79*	
		For >500', Deduct	*-2.98*	
		For 28 Gauge, Deduct	*-3.30*	
		For 24 Gauge, Add	*3.28*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*9.85*	
		For 18 Gauge, Add	*13.09*	
		For 16 Gauge, Add	*16.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.61*	
		For Work In Restricted Working Space, Add	*11.00*	
		For Elevated Installation >10' To 15', Add	*3.67*	
		For Elevated Installation >15' To 20', Add	*7.33*	
		For Elevated Installation >20' To 25', Add	*9.17*	
		For Elevated Installation >25' To 30', Add	*12.83*	
		For Elevated Installation >30' To 35', Add	*14.66*	
		For Elevated Installation >35' To 40', Add	*18.33*	
		For Elevated Installation >40', Add	*20.16*	

23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	44.67	18.83
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*15.06*	
		For 28 Gauge, Deduct	*-0.97*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.93*	
		For 20 Gauge, Add	*2.91*	
		For 18 Gauge, Add	*3.86*	
		For 16 Gauge, Add	*4.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.19*	
		For Work In Restricted Working Space, Add	*11.30*	
		For Elevated Installation >10' To 15', Add	*3.77*	
		For Elevated Installation >15' To 20', Add	*7.53*	
		For Elevated Installation >20' To 25', Add	*9.41*	
		For Elevated Installation >25' To 30', Add	*13.18*	
		For Elevated Installation >30' To 35', Add	*15.06*	
		For Elevated Installation >35' To 40', Add	*18.83*	
		For Elevated Installation >40', Add	*20.71*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	51.07	21.72
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*17.37*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.05*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.16*	
		For 18 Gauge, Add	*4.20*	
		For 16 Gauge, Add	*5.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.65*	
		For Work In Restricted Working Space, Add	*13.03*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.69*	
		For Elevated Installation >20' To 25', Add	*10.86*	
		For Elevated Installation >25' To 30', Add	*15.20*	
		For Elevated Installation >30' To 35', Add	*17.37*	
		For Elevated Installation >35' To 40', Add	*21.72*	
		For Elevated Installation >40', Add	*23.89*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	59.93	25.67
		For Seal Class B, Add	*7.70*	
		For Seal Class A, Add	*20.53*	
		For 28 Gauge, Deduct	*-1.19*	
		For 24 Gauge, Add	*1.19*	
		For 22 Gauge, Add	*2.37*	
		For 20 Gauge, Add	*3.56*	
		For 18 Gauge, Add	*4.73*	
		For 16 Gauge, Add	*5.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.36*	
		For Work In Restricted Working Space, Add	*15.40*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.27*	
		For Elevated Installation >20' To 25', Add	*12.83*	
		For Elevated Installation >25' To 30', Add	*17.97*	
		For Elevated Installation >30' To 35', Add	*20.53*	
		For Elevated Installation >35' To 40', Add	*25.67*	
		For Elevated Installation >40', Add	*28.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	76.57	33.00
		For Seal Class B, Add	*9.90*	
		For Seal Class A, Add	*26.40*	
		For 28 Gauge, Deduct	*-1.46*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*2.91*	
		For 20 Gauge, Add	*4.38*	
		For 18 Gauge, Add	*5.81*	
		For 16 Gauge, Add	*7.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.82*	
		For Work In Restricted Working Space, Add	*19.80*	
		For Elevated Installation >10' To 15', Add	*6.60*	
		For Elevated Installation >15' To 20', Add	*13.20*	
		For Elevated Installation >20' To 25', Add	*16.50*	
		For Elevated Installation >25' To 30', Add	*23.10*	
		For Elevated Installation >30' To 35', Add	*26.40*	
		For Elevated Installation >35' To 40', Add	*33.00*	
		For Elevated Installation >40', Add	*36.30*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	91.79	40.19
		For Seal Class B, Add	*12.06*	
		For Seal Class A, Add	*32.15*	
		For 28 Gauge, Deduct	*-1.58*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.14*	
		For 20 Gauge, Add	*4.72*	
		For 18 Gauge, Add	*6.28*	
		For 16 Gauge, Add	*7.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.44*	
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	140.57	62.75
		For Seal Class B, Add	*18.83*	
		For Seal Class A, Add	*50.20*	
		For 28 Gauge, Deduct	*-2.09*	
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.15*	
		For 20 Gauge, Add	*6.23*	
		For 18 Gauge, Add	*8.28*	
		For 16 Gauge, Add	*10.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.14*	
		For Work In Restricted Working Space, Add	*37.65*	
		For Elevated Installation >10' To 15', Add	*12.55*	
		For Elevated Installation >15' To 20', Add	*25.10*	
		For Elevated Installation >20' To 25', Add	*31.38*	
		For Elevated Installation >25' To 30', Add	*43.93*	
		For Elevated Installation >30' To 35', Add	*50.20*	
		For Elevated Installation >35' To 40', Add	*62.76*	
		For Elevated Installation >40', Add	*69.03*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	193.87	86.72
		For Seal Class B, Add	*26.02*	
		For Seal Class A, Add	*69.38*	
		For 28 Gauge, Deduct	*-2.83*	
		For 24 Gauge, Add	*2.82*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*8.45*	
		For 18 Gauge, Add	*11.23*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.10*	
		For Work In Restricted Working Space, Add	*52.04*	
		For Elevated Installation >10' To 15', Add	*17.35*	
		For Elevated Installation >15' To 20', Add	*34.69*	
		For Elevated Installation >20' To 25', Add	*43.37*	
		For Elevated Installation >25' To 30', Add	*60.71*	
		For Elevated Installation >30' To 35', Add	*69.38*	
		For Elevated Installation >35' To 40', Add	*86.73*	
		For Elevated Installation >40', Add	*95.40*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	236.47	102.59
		For Seal Class B, Add	*30.78*	
		For Seal Class A, Add	*82.08*	
		For 28 Gauge, Deduct	*-4.33*	
		For 24 Gauge, Add	*4.32*	
		For 22 Gauge, Add	*8.62*	
		For 20 Gauge, Add	*12.95*	
		For 18 Gauge, Add	*17.20*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*61.56*	
		For Elevated Installation >10' To 15', Add	*20.52*	
		For Elevated Installation >15' To 20', Add	*41.04*	
		For Elevated Installation >20' To 25', Add	*51.30*	
		For Elevated Installation >25' To 30', Add	*71.82*	
		For Elevated Installation >30' To 35', Add	*82.08*	
		For Elevated Installation >35' To 40', Add	*102.60*	
		For Elevated Installation >40', Add	*112.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	270.46	112.81
		For Seal Class B, Add	*33.84*	
		For Seal Class A, Add	*90.25*	
		For 28 Gauge, Deduct	*-6.21*	
		For 24 Gauge, Add	*6.19*	
		For 22 Gauge, Add	*12.35*	
		For 20 Gauge, Add	*18.56*	
		For 18 Gauge, Add	*24.66*	
		For 16 Gauge, Add	*30.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*67.69*	
		For Elevated Installation >10' To 15', Add	*22.56*	
		For Elevated Installation >15' To 20', Add	*45.13*	
		For Elevated Installation >20' To 25', Add	*56.41*	
		For Elevated Installation >25' To 30', Add	*78.97*	
		For Elevated Installation >30' To 35', Add	*90.25*	
		For Elevated Installation >35' To 40', Add	*112.82*	
		For Elevated Installation >40', Add	*124.10*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	301.92	117.40
		For Seal Class B, Add	*35.22*	
		For Seal Class A, Add	*93.92*	
		For 28 Gauge, Deduct	*-9.30*	
		For 24 Gauge, Add	*9.26*	
		For 22 Gauge, Add	*18.49*	
		For 20 Gauge, Add	*27.79*	
		For 18 Gauge, Add	*36.92*	
		For 16 Gauge, Add	*45.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.67*	
		For Work In Restricted Working Space, Add	*70.44*	
		For Elevated Installation >10' To 15', Add	*23.48*	
		For Elevated Installation >15' To 20', Add	*46.96*	
		For Elevated Installation >20' To 25', Add	*58.70*	
		For Elevated Installation >25' To 30', Add	*82.18*	
		For Elevated Installation >30' To 35', Add	*93.92*	
		For Elevated Installation >35' To 40', Add	*117.40*	
		For Elevated Installation >40', Add	*129.14*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	332.05	121.28
		For Seal Class B, Add	*36.38*	
		For Seal Class A, Add	*97.02*	
		For 28 Gauge, Deduct	*-12.39*	
		For 24 Gauge, Add	*12.35*	
		For 22 Gauge, Add	*24.65*	
		For 20 Gauge, Add	*37.05*	
		For 18 Gauge, Add	*49.22*	
		For 16 Gauge, Add	*60.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.22*	
		For Work In Restricted Working Space, Add	*72.77*	
		For Elevated Installation >10' To 15', Add	*24.26*	
		For Elevated Installation >15' To 20', Add	*48.51*	
		For Elevated Installation >20' To 25', Add	*60.64*	
		For Elevated Installation >25' To 30', Add	*84.90*	
		For Elevated Installation >30' To 35', Add	*97.02*	
		For Elevated Installation >35' To 40', Add	*121.28*	
		For Elevated Installation >40', Add	*133.41*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	37.63	12.69
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*12.69*	
		For 28 Gauge, Deduct	*-0.82*	
		For 24 Gauge, Add	*0.81*	
		For 22 Gauge, Add	*1.63*	
		For 20 Gauge, Add	*2.44*	
		For 18 Gauge, Add	*3.25*	
		For 16 Gauge, Add	*3.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.37*	
		For Work In Restricted Working Space, Add	*9.52*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.35*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.11*	
		For Elevated Installation >30' To 35', Add	*12.69*	
		For Elevated Installation >35' To 40', Add	*15.87*	
		For Elevated Installation >40', Add	*17.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	42.99	14.53
		For Seal Class B, Add	*5.44*	
		For Seal Class A, Add	*14.50*	
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.85*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.70*	
		For 16 Gauge, Add	*4.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*10.88*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.25*	
		For Elevated Installation >20' To 25', Add	*9.07*	
		For Elevated Installation >25' To 30', Add	*12.69*	
		For Elevated Installation >30' To 35', Add	*14.50*	
		For Elevated Installation >35' To 40', Add	*18.13*	
		For Elevated Installation >40', Add	*19.94*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	49.96	16.92
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*16.92*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.06*	
		For 22 Gauge, Add	*2.11*	
		For 20 Gauge, Add	*3.17*	
		For 18 Gauge, Add	*4.21*	
		For 16 Gauge, Add	*5.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.67*	
		For Work In Restricted Working Space, Add	*12.69*	
		For Elevated Installation >10' To 15', Add	*4.23*	
		For Elevated Installation >15' To 20', Add	*8.46*	
		For Elevated Installation >20' To 25', Add	*10.58*	
		For Elevated Installation >25' To 30', Add	*14.81*	
		For Elevated Installation >30' To 35', Add	*16.92*	
		For Elevated Installation >35' To 40', Add	*21.15*	
		For Elevated Installation >40', Add	*23.27*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	58.89	20.31
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*20.31*	
		For 28 Gauge, Deduct	*-1.12*	
		For 24 Gauge, Add	*1.12*	
		For 22 Gauge, Add	*2.24*	
		For 20 Gauge, Add	*3.36*	
		For 18 Gauge, Add	*4.47*	
		For 16 Gauge, Add	*5.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.01*	
		For Work In Restricted Working Space, Add	*15.23*	
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.15*	
		For Elevated Installation >20' To 25', Add	*12.69*	
		For Elevated Installation >25' To 30', Add	*17.77*	
		For Elevated Installation >30' To 35', Add	*20.31*	
		For Elevated Installation >35' To 40', Add	*25.39*	
		For Elevated Installation >40', Add	*27.92*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	72.89	25.38
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*25.38*	
		For 28 Gauge, Deduct	*-1.31*	
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*2.60*	
		For 20 Gauge, Add	*3.90*	
		For 18 Gauge, Add	*5.19*	
		For 16 Gauge, Add	*6.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.98*	
		For Work In Restricted Working Space, Add	*19.04*	
		For Elevated Installation >10' To 15', Add	*6.35*	
		For Elevated Installation >15' To 20', Add	*12.69*	
		For Elevated Installation >20' To 25', Add	*15.87*	
		For Elevated Installation >25' To 30', Add	*22.21*	
		For Elevated Installation >30' To 35', Add	*25.38*	
		For Elevated Installation >35' To 40', Add	*31.73*	
		For Elevated Installation >40', Add	*34.90*	
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	98.09	33.85
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*33.85*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*25.39*	
		For Elevated Installation >10' To 15', Add	*8.46*	
		For Elevated Installation >15' To 20', Add	*16.92*	
		For Elevated Installation >20' To 25', Add	*21.16*	
		For Elevated Installation >25' To 30', Add	*29.62*	
		For Elevated Installation >30' To 35', Add	*33.85*	
		For Elevated Installation >35' To 40', Add	*42.31*	
		For Elevated Installation >40', Add	*46.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	144.74	50.77
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*50.77*	
		For 28 Gauge, Deduct	*-2.47*	
		For 24 Gauge, Add	*2.46*	
		For 22 Gauge, Add	*4.91*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*9.80*	
		For 16 Gauge, Add	*12.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.19*	
		For Work In Restricted Working Space, Add	*38.08*	
		For Elevated Installation >10' To 15', Add	*12.69*	
		For Elevated Installation >15' To 20', Add	*25.38*	
		For Elevated Installation >20' To 25', Add	*31.73*	
		For Elevated Installation >25' To 30', Add	*44.42*	
		For Elevated Installation >30' To 35', Add	*50.77*	
		For Elevated Installation >35' To 40', Add	*63.46*	
		For Elevated Installation >40', Add	*69.81*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	195.53	64.87
		For Seal Class B, Add	*24.33*	
		For Seal Class A, Add	*64.87*	
		For 28 Gauge, Deduct	*-4.62*	
		For 24 Gauge, Add	*4.60*	
		For 22 Gauge, Add	*9.19*	
		For 20 Gauge, Add	*13.81*	
		For 18 Gauge, Add	*18.34*	
		For 16 Gauge, Add	*22.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.68*	
		For Work In Restricted Working Space, Add	*48.65*	
		For Elevated Installation >10' To 15', Add	*16.22*	
		For Elevated Installation >15' To 20', Add	*32.44*	
		For Elevated Installation >20' To 25', Add	*40.55*	
		For Elevated Installation >25' To 30', Add	*56.76*	
		For Elevated Installation >30' To 35', Add	*64.87*	
		For Elevated Installation >35' To 40', Add	*81.09*	
		For Elevated Installation >40', Add	*89.20*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	245.29	81.79
		For Seal Class B, Add	*30.67*	
		For Seal Class A, Add	*81.79*	
		For 28 Gauge, Deduct	*-5.65*	
		For 24 Gauge, Add	*5.63*	
		For 22 Gauge, Add	*11.24*	
		For 20 Gauge, Add	*16.90*	
		For 18 Gauge, Add	*22.45*	
		For 16 Gauge, Add	*27.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.20*	
		For Work In Restricted Working Space, Add	*61.34*	
		For Elevated Installation >10' To 15', Add	*20.45*	
		For Elevated Installation >15' To 20', Add	*40.90*	
		For Elevated Installation >20' To 25', Add	*51.12*	
		For Elevated Installation >25' To 30', Add	*71.57*	
		For Elevated Installation >30' To 35', Add	*81.79*	
		For Elevated Installation >35' To 40', Add	*102.24*	
		For Elevated Installation >40', Add	*112.46*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	276.33	85.32
		For Seal Class B, Add	*31.94*	
		For Seal Class A, Add	*85.18*	
		For 28 Gauge, Deduct	*-8.78*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*17.46*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*34.86*	
		For 16 Gauge, Add	*42.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.91*	
		For Work In Restricted Working Space, Add	*63.88*	
		For Elevated Installation >10' To 15', Add	*21.29*	
		For Elevated Installation >15' To 20', Add	*42.59*	
		For Elevated Installation >20' To 25', Add	*53.24*	
		For Elevated Installation >25' To 30', Add	*74.53*	
		For Elevated Installation >30' To 35', Add	*85.18*	
		For Elevated Installation >35' To 40', Add	*106.47*	
		For Elevated Installation >40', Add	*117.12*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	303.11	87.43
		For Seal Class B, Add	*32.79*	
		For Seal Class A, Add	*87.44*	
		For 28 Gauge, Deduct	*-11.71*	
		For 24 Gauge, Add	*11.66*	
		For 22 Gauge, Add	*23.29*	
		For 20 Gauge, Add	*34.99*	
		For 18 Gauge, Add	*46.49*	
		For 16 Gauge, Add	*57.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.54*	
		For Work In Restricted Working Space, Add	*65.58*	
		For Elevated Installation >10' To 15', Add	*21.86*	
		For Elevated Installation >15' To 20', Add	*43.72*	
		For Elevated Installation >20' To 25', Add	*54.65*	
		For Elevated Installation >25' To 30', Add	*76.51*	
		For Elevated Installation >30' To 35', Add	*87.44*	
		For Elevated Installation >35' To 40', Add	*109.30*	
		For Elevated Installation >40', Add	*120.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0038		Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*		
23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	35.44	12.69
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*12.69*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.04*	
		For 16 Gauge, Add	*2.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*9.52*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.35*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.11*	
		For Elevated Installation >30' To 35', Add	*12.69*	
		For Elevated Installation >35' To 40', Add	*15.87*	
		For Elevated Installation >40', Add	*17.45*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	41.02	14.53
		For Seal Class B, Add	*5.44*	
		For Seal Class A, Add	*14.50*	
		For 28 Gauge, Deduct	*-0.66*	
		For 24 Gauge, Add	*0.66*	
		For 22 Gauge, Add	*1.31*	
		For 20 Gauge, Add	*1.97*	
		For 18 Gauge, Add	*2.62*	
		For 16 Gauge, Add	*3.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.52*	
		For Work In Restricted Working Space, Add	*10.88*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.25*	
		For Elevated Installation >20' To 25', Add	*9.07*	
		For Elevated Installation >25' To 30', Add	*12.69*	
		For Elevated Installation >30' To 35', Add	*14.50*	
		For Elevated Installation >35' To 40', Add	*18.13*	
		For Elevated Installation >40', Add	*19.94*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	47.50	16.92
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*16.92*	
		For 28 Gauge, Deduct	*-0.72*	
		For 24 Gauge, Add	*0.72*	
		For 22 Gauge, Add	*1.43*	
		For 20 Gauge, Add	*2.15*	
		For 18 Gauge, Add	*2.86*	
		For 16 Gauge, Add	*3.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.85*	
		For Work In Restricted Working Space, Add	*12.69*	
		For Elevated Installation >10' To 15', Add	*4.23*	
		For Elevated Installation >15' To 20', Add	*8.46*	
		For Elevated Installation >20' To 25', Add	*10.58*	
		For Elevated Installation >25' To 30', Add	*14.81*	
		For Elevated Installation >30' To 35', Add	*16.92*	
		For Elevated Installation >35' To 40', Add	*21.15*	
		For Elevated Installation >40', Add	*23.27*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	56.80	20.31
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*20.31*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.66*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.32*	
		For 16 Gauge, Add	*4.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.46*	
		For Work In Restricted Working Space, Add	*15.23*	
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.15*	
		For Elevated Installation >20' To 25', Add	*12.69*	
		For Elevated Installation >25' To 30', Add	*17.77*	
		For Elevated Installation >30' To 35', Add	*20.31*	
		For Elevated Installation >35' To 40', Add	*25.39*	
		For Elevated Installation >40', Add	*27.92*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	70.32	25.38
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*25.38*	
		For 28 Gauge, Deduct	*-0.95*	
		For 24 Gauge, Add	*0.95*	
		For 22 Gauge, Add	*1.89*	
		For 20 Gauge, Add	*2.84*	
		For 18 Gauge, Add	*3.77*	
		For 16 Gauge, Add	*4.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.08*	
		For Work In Restricted Working Space, Add	*19.04*	
		For Elevated Installation >10' To 15', Add	*6.35*	
		For Elevated Installation >15' To 20', Add	*12.69*	
		For Elevated Installation >20' To 25', Add	*15.87*	
		For Elevated Installation >25' To 30', Add	*22.21*	
		For Elevated Installation >30' To 35', Add	*25.38*	
		For Elevated Installation >35' To 40', Add	*31.73*	
		For Elevated Installation >40', Add	*34.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	95.08	33.85
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*33.85*	
		For 28 Gauge, Deduct	*-1.45*	
		For 24 Gauge, Add	*1.44*	
		For 22 Gauge, Add	*2.88*	
		For 20 Gauge, Add	*4.33*	
		For 18 Gauge, Add	*5.75*	
		For 16 Gauge, Add	*7.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.74*	
		For Work In Restricted Working Space, Add	*25.39*	
		For Elevated Installation >10' To 15', Add	*8.46*	
		For Elevated Installation >15' To 20', Add	*16.92*	
		For Elevated Installation >20' To 25', Add	*21.16*	
		For Elevated Installation >25' To 30', Add	*29.62*	
		For Elevated Installation >30' To 35', Add	*33.85*	
		For Elevated Installation >35' To 40', Add	*42.31*	
		For Elevated Installation >40', Add	*46.54*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	140.39	50.77
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*50.77*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*38.08*	
		For Elevated Installation >10' To 15', Add	*12.69*	
		For Elevated Installation >15' To 20', Add	*25.38*	
		For Elevated Installation >20' To 25', Add	*31.73*	
		For Elevated Installation >25' To 30', Add	*44.42*	
		For Elevated Installation >30' To 35', Add	*50.77*	
		For Elevated Installation >35' To 40', Add	*63.46*	
		For Elevated Installation >40', Add	*69.81*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	185.49	64.87
		For Seal Class B, Add	*24.33*	
		For Seal Class A, Add	*64.87*	
		For 28 Gauge, Deduct	*-3.23*	
		For 24 Gauge, Add	*3.22*	
		For 22 Gauge, Add	*6.42*	
		For 20 Gauge, Add	*9.65*	
		For 18 Gauge, Add	*12.82*	
		For 16 Gauge, Add	*15.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.25*	
		For Work In Restricted Working Space, Add	*48.65*	
		For Elevated Installation >10' To 15', Add	*16.22*	
		For Elevated Installation >15' To 20', Add	*32.44*	
		For Elevated Installation >20' To 25', Add	*40.55*	
		For Elevated Installation >25' To 30', Add	*56.76*	
		For Elevated Installation >30' To 35', Add	*64.87*	
		For Elevated Installation >35' To 40', Add	*81.09*	
		For Elevated Installation >40', Add	*89.20*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	242.70	81.79
		For Seal Class B, Add	*30.67*	
		For Seal Class A, Add	*81.79*	
		For 28 Gauge, Deduct	*-5.29*	
		For 24 Gauge, Add	*5.27*	
		For 22 Gauge, Add	*10.53*	
		For 20 Gauge, Add	*15.82*	
		For 18 Gauge, Add	*21.02*	
		For 16 Gauge, Add	*25.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.28*	
		For Work In Restricted Working Space, Add	*61.34*	
		For Elevated Installation >10' To 15', Add	*20.45*	
		For Elevated Installation >15' To 20', Add	*40.90*	
		For Elevated Installation >20' To 25', Add	*51.12*	
		For Elevated Installation >25' To 30', Add	*71.57*	
		For Elevated Installation >30' To 35', Add	*81.79*	
		For Elevated Installation >35' To 40', Add	*102.24*	
		For Elevated Installation >40', Add	*112.46*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	259.14	85.32
		For Seal Class B, Add	*31.94*	
		For Seal Class A, Add	*85.18*	
		For 28 Gauge, Deduct	*-6.40*	
		For 24 Gauge, Add	*6.38*	
		For 22 Gauge, Add	*12.73*	
		For 20 Gauge, Add	*19.13*	
		For 18 Gauge, Add	*25.41*	
		For 16 Gauge, Add	*31.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.19*	
		For Work In Restricted Working Space, Add	*63.88*	
		For Elevated Installation >10' To 15', Add	*21.29*	
		For Elevated Installation >15' To 20', Add	*42.59*	
		For Elevated Installation >20' To 25', Add	*53.24*	
		For Elevated Installation >25' To 30', Add	*74.53*	
		For Elevated Installation >30' To 35', Add	*85.18*	
		For Elevated Installation >35' To 40', Add	*106.47*	
		For Elevated Installation >40', Add	*117.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	277.78	87.43
		For Seal Class B, Add	*32.79*	
		For Seal Class A, Add	*87.44*	
		For 28 Gauge, Deduct	*-8.20*	
		For 24 Gauge, Add	*8.17*	
		For 22 Gauge, Add	*16.31*	
		For 20 Gauge, Add	*24.50*	
		For 18 Gauge, Add	*32.55*	
		For 16 Gauge, Add	*39.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.80*	
		For Work In Restricted Working Space, Add	*65.58*	
		For Elevated Installation >10' To 15', Add	*21.86*	
		For Elevated Installation >15' To 20', Add	*43.72*	
		For Elevated Installation >20' To 25', Add	*54.65*	
		For Elevated Installation >25' To 30', Add	*76.51*	
		For Elevated Installation >30' To 35', Add	*87.44*	
		For Elevated Installation >35' To 40', Add	*109.30*	
		For Elevated Installation >40', Add	*120.22*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	55.86	19.04
		For Seal Class B, Add	*7.14*	
		For Seal Class A, Add	*19.04*	
		For 28 Gauge, Deduct	*-1.15*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.55*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.12*	
		For Work In Restricted Working Space, Add	*14.28*	
		For Elevated Installation >10' To 15', Add	*4.76*	
		For Elevated Installation >15' To 20', Add	*9.52*	
		For Elevated Installation >20' To 25', Add	*11.90*	
		For Elevated Installation >25' To 30', Add	*16.66*	
		For Elevated Installation >30' To 35', Add	*19.04*	
		For Elevated Installation >35' To 40', Add	*23.80*	
		For Elevated Installation >40', Add	*26.17*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	65.38	21.72
		For Seal Class B, Add	*8.16*	
		For Seal Class A, Add	*21.76*	
		For 28 Gauge, Deduct	*-1.52*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.02*	
		For 20 Gauge, Add	*4.55*	
		For 18 Gauge, Add	*6.04*	
		For 16 Gauge, Add	*7.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.13*	
		For Work In Restricted Working Space, Add	*16.32*	
		For Elevated Installation >10' To 15', Add	*5.44*	
		For Elevated Installation >15' To 20', Add	*10.88*	
		For Elevated Installation >20' To 25', Add	*13.60*	
		For Elevated Installation >25' To 30', Add	*19.04*	
		For Elevated Installation >30' To 35', Add	*21.76*	
		For Elevated Installation >35' To 40', Add	*27.20*	
		For Elevated Installation >40', Add	*29.92*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	75.37	25.38
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*25.38*	
		For 28 Gauge, Deduct	*-1.65*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.28*	
		For 20 Gauge, Add	*4.93*	
		For 18 Gauge, Add	*6.55*	
		For 16 Gauge, Add	*8.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*19.04*	
		For Elevated Installation >10' To 15', Add	*6.35*	
		For Elevated Installation >15' To 20', Add	*12.69*	
		For Elevated Installation >20' To 25', Add	*15.87*	
		For Elevated Installation >25' To 30', Add	*22.21*	
		For Elevated Installation >30' To 35', Add	*25.38*	
		For Elevated Installation >35' To 40', Add	*31.73*	
		For Elevated Installation >40', Add	*34.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	89.85	30.46
		For Seal Class B, Add	*11.42*	
		For Seal Class A, Add	*30.46*	
		For 28 Gauge, Deduct	*-1.90*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.78*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*7.54*	
		For 16 Gauge, Add	*9.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.15*	
		For Work In Restricted Working Space, Add	*22.84*	
		For Elevated Installation >10' To 15', Add	*7.61*	
		For Elevated Installation >15' To 20', Add	*15.23*	
		For Elevated Installation >20' To 25', Add	*19.04*	
		For Elevated Installation >25' To 30', Add	*26.65*	
		For Elevated Installation >30' To 35', Add	*30.46*	
		For Elevated Installation >35' To 40', Add	*38.07*	
		For Elevated Installation >40', Add	*41.88*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	117.37	38.08
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*38.08*	
		For 28 Gauge, Deduct	*-3.07*	
		For 24 Gauge, Add	*3.06*	
		For 22 Gauge, Add	*6.11*	
		For 20 Gauge, Add	*9.18*	
		For 18 Gauge, Add	*12.19*	
		For 16 Gauge, Add	*14.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*28.56*	
		For Elevated Installation >10' To 15', Add	*9.52*	
		For Elevated Installation >15' To 20', Add	*19.04*	
		For Elevated Installation >20' To 25', Add	*23.80*	
		For Elevated Installation >25' To 30', Add	*33.32*	
		For Elevated Installation >30' To 35', Add	*38.08*	
		For Elevated Installation >35' To 40', Add	*47.60*	
		For Elevated Installation >40', Add	*52.36*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	155.20	50.77
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*50.77*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*38.08*	
		For Elevated Installation >10' To 15', Add	*12.69*	
		For Elevated Installation >15' To 20', Add	*25.38*	
		For Elevated Installation >20' To 25', Add	*31.73*	
		For Elevated Installation >25' To 30', Add	*44.42*	
		For Elevated Installation >30' To 35', Add	*50.77*	
		For Elevated Installation >35' To 40', Add	*63.46*	
		For Elevated Installation >40', Add	*69.81*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	218.62	76.15
		For Seal Class B, Add	*28.55*	
		For Seal Class A, Add	*76.14*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*57.10*	
		For Elevated Installation >10' To 15', Add	*19.03*	
		For Elevated Installation >15' To 20', Add	*38.07*	
		For Elevated Installation >20' To 25', Add	*47.59*	
		For Elevated Installation >25' To 30', Add	*66.62*	
		For Elevated Installation >30' To 35', Add	*76.14*	
		For Elevated Installation >35' To 40', Add	*95.17*	
		For Elevated Installation >40', Add	*104.69*	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	297.00	97.02
		For Seal Class B, Add	*36.47*	
		For Seal Class A, Add	*97.26*	
		For 28 Gauge, Deduct	*-7.46*	
		For 24 Gauge, Add	*7.43*	
		For 22 Gauge, Add	*14.84*	
		For 20 Gauge, Add	*22.30*	
		For 18 Gauge, Add	*29.62*	
		For 16 Gauge, Add	*36.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.86*	
		For Work In Restricted Working Space, Add	*72.94*	
		For Elevated Installation >10' To 15', Add	*24.31*	
		For Elevated Installation >15' To 20', Add	*48.63*	
		For Elevated Installation >20' To 25', Add	*60.79*	
		For Elevated Installation >25' To 30', Add	*85.10*	
		For Elevated Installation >30' To 35', Add	*97.26*	
		For Elevated Installation >35' To 40', Add	*121.57*	
		For Elevated Installation >40', Add	*133.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	382.18	122.97
		For Seal Class B, Add	*45.99*	
		For Seal Class A, Add	*122.63*	
		For 28 Gauge, Deduct	*-10.47*	
		For 24 Gauge, Add	*10.43*	
		For 22 Gauge, Add	*20.83*	
		For 20 Gauge, Add	*31.30*	
		For 18 Gauge, Add	*41.59*	
		For 16 Gauge, Add	*51.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.95*	
		For Work In Restricted Working Space, Add	*91.97*	
		For Elevated Installation >10' To 15', Add	*30.66*	
		For Elevated Installation >15' To 20', Add	*61.31*	
		For Elevated Installation >20' To 25', Add	*76.64*	
		For Elevated Installation >25' To 30', Add	*107.30*	
		For Elevated Installation >30' To 35', Add	*122.63*	
		For Elevated Installation >35' To 40', Add	*153.29*	
		For Elevated Installation >40', Add	*168.61*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	439.01	136.79
		For Seal Class B, Add	*51.40*	
		For Seal Class A, Add	*137.07*	
		For 28 Gauge, Deduct	*-13.34*	
		For 24 Gauge, Add	*13.29*	
		For 22 Gauge, Add	*26.54*	
		For 20 Gauge, Add	*39.88*	
		For 18 Gauge, Add	*52.98*	
		For 16 Gauge, Add	*65.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.28*	
		For Work In Restricted Working Space, Add	*102.80*	
		For Elevated Installation >10' To 15', Add	*34.27*	
		For Elevated Installation >15' To 20', Add	*68.54*	
		For Elevated Installation >20' To 25', Add	*85.67*	
		For Elevated Installation >25' To 30', Add	*119.94*	
		For Elevated Installation >30' To 35', Add	*137.07*	
		For Elevated Installation >35' To 40', Add	*171.34*	
		For Elevated Installation >40', Add	*188.47*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	460.85	141.73
		For Seal Class B, Add	*53.09*	
		For Seal Class A, Add	*141.58*	
		For 28 Gauge, Deduct	*-14.80*	
		For 24 Gauge, Add	*14.75*	
		For 22 Gauge, Add	*29.45*	
		For 20 Gauge, Add	*44.25*	
		For 18 Gauge, Add	*58.79*	
		For 16 Gauge, Add	*72.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*79.10*	
		For Work In Restricted Working Space, Add	*106.19*	
		For Elevated Installation >10' To 15', Add	*35.40*	
		For Elevated Installation >15' To 20', Add	*70.79*	
		For Elevated Installation >20' To 25', Add	*88.49*	
		For Elevated Installation >25' To 30', Add	*123.89*	
		For Elevated Installation >30' To 35', Add	*141.58*	
		For Elevated Installation >35' To 40', Add	*176.98*	
		For Elevated Installation >40', Add	*194.68*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	25.34	
		For Seal Class B, Add	*3.38*	
		For Seal Class A, Add	*9.02*	
		For Work In Restricted Working Space, Add	*6.77*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.51*	
		For Elevated Installation >20' To 25', Add	*5.64*	
		For Elevated Installation >25' To 30', Add	*7.90*	
		For Elevated Installation >30' To 35', Add	*9.02*	
		For Elevated Installation >35' To 40', Add	*11.28*	
		For Elevated Installation >40', Add	*12.41*	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.69	
		For Seal Class B, Add	*3.56*	
		For Seal Class A, Add	*9.48*	
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.86*	
		For Elevated Installation >40', Add	*13.04*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	28.59	
		For Seal Class B, Add	*3.81*	
		For Seal Class A, Add	*10.15*	
		For Work In Restricted Working Space, Add	*7.61*	
		For Elevated Installation >10' To 15', Add	*2.54*	
		For Elevated Installation >15' To 20', Add	*5.08*	
		For Elevated Installation >20' To 25', Add	*6.35*	
		For Elevated Installation >25' To 30', Add	*8.88*	
		For Elevated Installation >30' To 35', Add	*10.15*	
		For Elevated Installation >35' To 40', Add	*12.69*	
		For Elevated Installation >40', Add	*13.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	30.47	
		For Seal Class B, Add	*4.02*	
		For Seal Class A, Add	*10.72*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Elevated Installation >10' To 15', Add	*2.68*	
		For Elevated Installation >15' To 20', Add	*5.36*	
		For Elevated Installation >20' To 25', Add	*6.70*	
		For Elevated Installation >25' To 30', Add	*9.38*	
		For Elevated Installation >30' To 35', Add	*10.72*	
		For Elevated Installation >35' To 40', Add	*13.40*	
		For Elevated Installation >40', Add	*14.74*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	33.04	
		For Seal Class B, Add	*4.34*	
		For Seal Class A, Add	*11.56*	
		For Work In Restricted Working Space, Add	*8.67*	
		For Elevated Installation >10' To 15', Add	*2.89*	
		For Elevated Installation >15' To 20', Add	*5.78*	
		For Elevated Installation >20' To 25', Add	*7.23*	
		For Elevated Installation >25' To 30', Add	*10.12*	
		For Elevated Installation >30' To 35', Add	*11.56*	
		For Elevated Installation >35' To 40', Add	*14.45*	
		For Elevated Installation >40', Add	*15.90*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	38.82	
		For Seal Class B, Add	*4.84*	
		For Seal Class A, Add	*12.92*	
		For Work In Restricted Working Space, Add	*9.69*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.46*	
		For Elevated Installation >20' To 25', Add	*8.07*	
		For Elevated Installation >25' To 30', Add	*11.30*	
		For Elevated Installation >30' To 35', Add	*12.92*	
		For Elevated Installation >35' To 40', Add	*16.15*	
		For Elevated Installation >40', Add	*17.76*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	53.00	
		For Seal Class B, Add	*6.77*	
		For Seal Class A, Add	*18.05*	
		For Work In Restricted Working Space, Add	*13.54*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.03*	
		For Elevated Installation >20' To 25', Add	*11.28*	
		For Elevated Installation >25' To 30', Add	*15.80*	
		For Elevated Installation >30' To 35', Add	*18.05*	
		For Elevated Installation >35' To 40', Add	*22.57*	
		For Elevated Installation >40', Add	*24.82*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	60.51	
		For Seal Class B, Add	*7.70*	
		For Seal Class A, Add	*20.54*	
		For Work In Restricted Working Space, Add	*15.41*	
		For Elevated Installation >10' To 15', Add	*5.14*	
		For Elevated Installation >15' To 20', Add	*10.27*	
		For Elevated Installation >20' To 25', Add	*12.84*	
		For Elevated Installation >25' To 30', Add	*17.97*	
		For Elevated Installation >30' To 35', Add	*20.54*	
		For Elevated Installation >35' To 40', Add	*25.68*	
		For Elevated Installation >40', Add	*28.24*	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	66.53	
		For Seal Class B, Add	*8.44*	
		For Seal Class A, Add	*22.51*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.26*	
		For Elevated Installation >20' To 25', Add	*14.07*	
		For Elevated Installation >25' To 30', Add	*19.70*	
		For Elevated Installation >30' To 35', Add	*22.51*	
		For Elevated Installation >35' To 40', Add	*28.14*	
		For Elevated Installation >40', Add	*30.95*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	72.38	
		For Seal Class B, Add	*9.14*	
		For Seal Class A, Add	*24.37*	
		For Work In Restricted Working Space, Add	*18.28*	
		For Elevated Installation >10' To 15', Add	*6.09*	
		For Elevated Installation >15' To 20', Add	*12.18*	
		For Elevated Installation >20' To 25', Add	*15.23*	
		For Elevated Installation >25' To 30', Add	*21.32*	
		For Elevated Installation >30' To 35', Add	*24.37*	
		For Elevated Installation >35' To 40', Add	*30.46*	
		For Elevated Installation >40', Add	*33.51*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	78.86	
		For Seal Class B, Add	*9.96*	
		For Seal Class A, Add	*26.57*	
		For Work In Restricted Working Space, Add	*19.93*	
		For Elevated Installation >10' To 15', Add	*6.64*	
		For Elevated Installation >15' To 20', Add	*13.29*	
		For Elevated Installation >20' To 25', Add	*16.61*	
		For Elevated Installation >25' To 30', Add	*23.25*	
		For Elevated Installation >30' To 35', Add	*26.57*	
		For Elevated Installation >35' To 40', Add	*33.22*	
		For Elevated Installation >40', Add	*36.54*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0075		Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*		
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	11.26	1.30
		For Seal Class B, Add	*1.05*	
		For Seal Class A, Add	*2.79*	
		For Up To 20', Add	*1.28*	
		For >20' To 50', Add	*0.51*	
		For >200' To 500', Deduct	*-0.32*	
		For >500', Deduct	*-0.54*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.97*	
		For 20 Gauge, Add	*3.21*	
		For 18 Gauge, Add	*4.92*	
		For 16 Gauge, Add	*5.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*2.09*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	14.58	2.60
		For Seal Class B, Add	*1.26*	
		For Seal Class A, Add	*3.35*	
		For Up To 20', Add	*1.86*	
		For >20' To 50', Add	*0.74*	
		For >200' To 500', Deduct	*-0.47*	
		For >500', Deduct	*-0.78*	
		For 24 Gauge, Add	*1.24*	
		For 22 Gauge, Add	*2.85*	
		For 20 Gauge, Add	*4.65*	
		For 18 Gauge, Add	*7.13*	
		For 16 Gauge, Add	*8.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.59*	
		For Work In Restricted Working Space, Add	*2.51*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	18.56	2.60
		For Seal Class B, Add	*1.56*	
		For Seal Class A, Add	*4.16*	
		For Up To 20', Add	*2.45*	
		For >20' To 50', Add	*0.98*	
		For >200' To 500', Deduct	*-0.61*	
		For >500', Deduct	*-1.02*	
		For 24 Gauge, Add	*1.63*	
		For 22 Gauge, Add	*3.76*	
		For 20 Gauge, Add	*6.13*	
		For 18 Gauge, Add	*9.40*	
		For 16 Gauge, Add	*11.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.05*	
		For Work In Restricted Working Space, Add	*3.12*	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	22.56	2.60
		For Seal Class B, Add	*1.87*	
		For Seal Class A, Add	*4.99*	
		For Up To 20', Add	*3.02*	
		For >20' To 50', Add	*1.21*	
		For >200' To 500', Deduct	*-0.76*	
		For >500', Deduct	*-1.26*	
		For 24 Gauge, Add	*2.02*	
		For 22 Gauge, Add	*4.64*	
		For 20 Gauge, Add	*7.56*	
		For 18 Gauge, Add	*11.59*	
		For 16 Gauge, Add	*14.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.46*	
		For Work In Restricted Working Space, Add	*3.74*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	28.02	3.91
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*6.25*	
		For Up To 20', Add	*3.72*	
		For >20' To 50', Add	*1.49*	
		For >200' To 500', Deduct	*-0.93*	
		For >500', Deduct	*-1.55*	
		For 24 Gauge, Add	*2.48*	
		For 22 Gauge, Add	*5.70*	
		For 20 Gauge, Add	*9.30*	
		For 18 Gauge, Add	*14.26*	
		For 16 Gauge, Add	*17.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.18*	
		For Work In Restricted Working Space, Add	*4.69*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	33.90	3.91
		For Seal Class B, Add	*2.93*	
		For Seal Class A, Add	*7.81*	
		For Up To 20', Add	*4.31*	
		For >20' To 50', Add	*1.72*	
		For >200' To 500', Deduct	*-1.08*	
		For >500', Deduct	*-1.80*	
		For 24 Gauge, Add	*2.87*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*10.78*	
		For 18 Gauge, Add	*16.53*	
		For 16 Gauge, Add	*20.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.63*	
		For Work In Restricted Working Space, Add	*5.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	46.88	3.91
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*10.40*	
		For Up To 20', Add	*6.26*	
		For >20' To 50', Add	*2.50*	
		For >200' To 500', Deduct	*-1.57*	
		For >500', Deduct	*-2.61*	
		For 24 Gauge, Add	*4.17*	
		For 22 Gauge, Add	*9.60*	
		For 20 Gauge, Add	*15.65*	
		For 18 Gauge, Add	*24.00*	
		For 16 Gauge, Add	*29.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.44*	
		For Work In Restricted Working Space, Add	*7.80*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	53.45	5.21
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*12.12*	
		For Up To 20', Add	*6.94*	
		For >20' To 50', Add	*2.78*	
		For >200' To 500', Deduct	*-1.74*	
		For >500', Deduct	*-2.89*	
		For 24 Gauge, Add	*4.63*	
		For 22 Gauge, Add	*10.64*	
		For 20 Gauge, Add	*17.36*	
		For 18 Gauge, Add	*26.61*	
		For 16 Gauge, Add	*32.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.12*	
		For Work In Restricted Working Space, Add	*9.09*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	60.24	5.21
		For Seal Class B, Add	*5.16*	
		For Seal Class A, Add	*13.77*	
		For Up To 20', Add	*7.74*	
		For >20' To 50', Add	*3.10*	
		For >200' To 500', Deduct	*-1.94*	
		For >500', Deduct	*-3.23*	
		For 24 Gauge, Add	*5.16*	
		For 22 Gauge, Add	*11.87*	
		For 20 Gauge, Add	*19.36*	
		For 18 Gauge, Add	*29.68*	
		For 16 Gauge, Add	*36.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.10*	
		For Work In Restricted Working Space, Add	*10.33*	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	67.30	6.51
		For Seal Class B, Add	*5.82*	
		For Seal Class A, Add	*15.51*	
		For Up To 20', Add	*8.56*	
		For >20' To 50', Add	*3.42*	
		For >200' To 500', Deduct	*-2.14*	
		For >500', Deduct	*-3.57*	
		For 24 Gauge, Add	*5.71*	
		For 22 Gauge, Add	*13.12*	
		For 20 Gauge, Add	*21.40*	
		For 18 Gauge, Add	*32.81*	
		For 16 Gauge, Add	*39.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.11*	
		For Work In Restricted Working Space, Add	*11.63*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	74.39	7.81
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*17.36*	
		For Up To 20', Add	*9.30*	
		For >20' To 50', Add	*3.72*	
		For >200' To 500', Deduct	*-2.33*	
		For >500', Deduct	*-3.88*	
		For 24 Gauge, Add	*6.20*	
		For 22 Gauge, Add	*14.26*	
		For 20 Gauge, Add	*23.25*	
		For 18 Gauge, Add	*35.65*	
		For 16 Gauge, Add	*43.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.94*	
		For Work In Restricted Working Space, Add	*13.02*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	89.93	18.23
		For Seal Class B, Add	*10.56*	
		For Seal Class A, Add	*28.15*	
		For 24 Gauge, Add	*3.91*	
		For 22 Gauge, Add	*9.00*	
		For 20 Gauge, Add	*14.67*	
		For 18 Gauge, Add	*22.49*	
		For 16 Gauge, Add	*27.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.47*	
		For Work In Restricted Working Space, Add	*21.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	131.92	26.04
		For Seal Class B, Add	*15.62*	
		For Seal Class A, Add	*41.66*	
		For 24 Gauge, Add	*5.55*	
		For 22 Gauge, Add	*12.77*	
		For 20 Gauge, Add	*20.83*	
		For 18 Gauge, Add	*31.94*	
		For 16 Gauge, Add	*38.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.55*	
		For Work In Restricted Working Space, Add	*31.25*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	190.02	33.85
		For Seal Class B, Add	*20.56*	
		For Seal Class A, Add	*54.82*	
		For 24 Gauge, Add	*10.59*	
		For 22 Gauge, Add	*24.37*	
		For 20 Gauge, Add	*39.73*	
		For 18 Gauge, Add	*60.92*	
		For 16 Gauge, Add	*74.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.20*	
		For Work In Restricted Working Space, Add	*41.12*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	235.96	42.97
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*69.44*	
		For 24 Gauge, Add	*12.47*	
		For 22 Gauge, Add	*28.69*	
		For 20 Gauge, Add	*46.78*	
		For 18 Gauge, Add	*71.73*	
		For 16 Gauge, Add	*87.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.15*	
		For Work In Restricted Working Space, Add	*52.08*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	290.22	54.68
		For Seal Class B, Add	*32.55*	
		For Seal Class A, Add	*86.80*	
		For 24 Gauge, Add	*14.65*	
		For 22 Gauge, Add	*33.69*	
		For 20 Gauge, Add	*54.92*	
		For 18 Gauge, Add	*84.21*	
		For 16 Gauge, Add	*102.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.19*	
		For Work In Restricted Working Space, Add	*65.10*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	318.23	59.88
		For Seal Class B, Add	*35.51*	
		For Seal Class A, Add	*94.68*	
		For 24 Gauge, Add	*16.30*	
		For 22 Gauge, Add	*37.50*	
		For 20 Gauge, Add	*61.14*	
		For 18 Gauge, Add	*93.75*	
		For 16 Gauge, Add	*114.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.32*	
		For Work In Restricted Working Space, Add	*71.01*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	375.39	70.30
		For Seal Class B, Add	*42.00*	
		For Seal Class A, Add	*111.99*	
		For 24 Gauge, Add	*19.08*	
		For 22 Gauge, Add	*43.89*	
		For 20 Gauge, Add	*71.56*	
		For 18 Gauge, Add	*109.72*	
		For 16 Gauge, Add	*133.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*70.60*	
		For Work In Restricted Working Space, Add	*83.99*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	456.98	87.23
		For Seal Class B, Add	*52.08*	
		For Seal Class A, Add	*138.88*	
		For 24 Gauge, Add	*21.96*	
		For 22 Gauge, Add	*50.50*	
		For 20 Gauge, Add	*82.34*	
		For 18 Gauge, Add	*126.26*	
		For 16 Gauge, Add	*153.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.24*	
		For Work In Restricted Working Space, Add	*104.16*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	549.57	105.46
		For Seal Class B, Add	*63.00*	
		For Seal Class A, Add	*167.99*	
		For 24 Gauge, Add	*25.92*	
		For 22 Gauge, Add	*59.61*	
		For 20 Gauge, Add	*97.19*	
		For 18 Gauge, Add	*149.03*	
		For 16 Gauge, Add	*181.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*95.90*	
		For Work In Restricted Working Space, Add	*125.99*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	638.37	122.38
		For Seal Class B, Add	*73.69*	
		For Seal Class A, Add	*196.52*	
		For 24 Gauge, Add	*29.42*	
		For 22 Gauge, Add	*67.66*	
		For 20 Gauge, Add	*110.31*	
		For 18 Gauge, Add	*169.14*	
		For 16 Gauge, Add	*205.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*108.84*	
		For Work In Restricted Working Space, Add	*147.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	735.52	139.31
		For Seal Class B, Add	*83.10*	
		For Seal Class A, Add	*221.60*	
		For 24 Gauge, Add	*36.30*	
		For 22 Gauge, Add	*83.49*	
		For 20 Gauge, Add	*136.13*	
		For 18 Gauge, Add	*208.74*	
		For 16 Gauge, Add	*254.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*134.32*	
		For Work In Restricted Working Space, Add	*166.20*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	90.85	18.23
		For Seal Class B, Add	*10.56*	
		For Seal Class A, Add	*28.15*	
		For 24 Gauge, Add	*4.10*	
		For 22 Gauge, Add	*9.42*	
		For 20 Gauge, Add	*15.36*	
		For 18 Gauge, Add	*23.55*	
		For 16 Gauge, Add	*28.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.16*	
		For Work In Restricted Working Space, Add	*21.11*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	127.16	26.04
		For Seal Class B, Add	*15.62*	
		For Seal Class A, Add	*41.66*	
		For 24 Gauge, Add	*4.60*	
		For 22 Gauge, Add	*10.58*	
		For 20 Gauge, Add	*17.26*	
		For 18 Gauge, Add	*26.46*	
		For 16 Gauge, Add	*32.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.03*	
		For Work In Restricted Working Space, Add	*31.25*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	167.91	33.85
		For Seal Class B, Add	*20.56*	
		For Seal Class A, Add	*54.82*	
		For 24 Gauge, Add	*6.17*	
		For 22 Gauge, Add	*14.20*	
		For 20 Gauge, Add	*23.15*	
		For 18 Gauge, Add	*35.49*	
		For 16 Gauge, Add	*43.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.84*	
		For Work In Restricted Working Space, Add	*41.12*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	212.16	42.97
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*69.44*	
		For 24 Gauge, Add	*7.71*	
		For 22 Gauge, Add	*17.74*	
		For 20 Gauge, Add	*28.93*	
		For 18 Gauge, Add	*44.36*	
		For 16 Gauge, Add	*54.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.54*	
		For Work In Restricted Working Space, Add	*52.08*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	261.81	54.68
		For Seal Class B, Add	*32.55*	
		For Seal Class A, Add	*86.80*	
		For 24 Gauge, Add	*8.96*	
		For 22 Gauge, Add	*20.62*	
		For 20 Gauge, Add	*33.62*	
		For 18 Gauge, Add	*51.54*	
		For 16 Gauge, Add	*62.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*65.10*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	286.54	59.88
		For Seal Class B, Add	*35.51*	
		For Seal Class A, Add	*94.68*	
		For 24 Gauge, Add	*9.97*	
		For 22 Gauge, Add	*22.92*	
		For 20 Gauge, Add	*37.37*	
		For 18 Gauge, Add	*57.30*	
		For 16 Gauge, Add	*69.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.87*	
		For Work In Restricted Working Space, Add	*71.01*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	361.67	70.30
		For Seal Class B, Add	*42.00*	
		For Seal Class A, Add	*111.99*	
		For 24 Gauge, Add	*16.34*	
		For 22 Gauge, Add	*37.58*	
		For 20 Gauge, Add	*61.27*	
		For 18 Gauge, Add	*93.94*	
		For 16 Gauge, Add	*114.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.45*	
		For Work In Restricted Working Space, Add	*83.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	447.26	87.23
		For Seal Class B, Add	*52.08*	
		For Seal Class A, Add	*138.88*	
		For 24 Gauge, Add	*20.01*	
		For 22 Gauge, Add	*46.03*	
		For 20 Gauge, Add	*75.05*	
		For 18 Gauge, Add	*115.08*	
		For 16 Gauge, Add	*140.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*74.05*	
		For Work In Restricted Working Space, Add	*104.16*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	546.59	105.46
		For Seal Class B, Add	*63.00*	
		For Seal Class A, Add	*167.99*	
		For 24 Gauge, Add	*25.32*	
		For 22 Gauge, Add	*58.24*	
		For 20 Gauge, Add	*94.96*	
		For 18 Gauge, Add	*145.60*	
		For 16 Gauge, Add	*177.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*93.69*	
		For Work In Restricted Working Space, Add	*125.99*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	604.63	122.38
		For Seal Class B, Add	*73.69*	
		For Seal Class A, Add	*196.52*	
		For 24 Gauge, Add	*22.67*	
		For 22 Gauge, Add	*52.14*	
		For 20 Gauge, Add	*85.01*	
		For 18 Gauge, Add	*130.34*	
		For 16 Gauge, Add	*158.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.87*	
		For Work In Restricted Working Space, Add	*147.39*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	723.51	139.31
		For Seal Class B, Add	*83.10*	
		For Seal Class A, Add	*221.60*	
		For 24 Gauge, Add	*33.90*	
		For 22 Gauge, Add	*77.97*	
		For 20 Gauge, Add	*127.13*	
		For 18 Gauge, Add	*194.93*	
		For 16 Gauge, Add	*237.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*125.43*	
		For Work In Restricted Working Space, Add	*166.20*	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*

23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	181.08	33.85
		For Seal Class B, Add	*20.56*	
		For Seal Class A, Add	*54.82*	
		For 24 Gauge, Add	*8.81*	
		For 22 Gauge, Add	*20.25*	
		For 20 Gauge, Add	*33.02*	
		For 18 Gauge, Add	*50.63*	
		For 16 Gauge, Add	*61.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.58*	
		For Work In Restricted Working Space, Add	*41.12*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	263.15	54.68
		For Seal Class B, Add	*32.55*	
		For Seal Class A, Add	*86.80*	
		For 24 Gauge, Add	*9.23*	
		For 22 Gauge, Add	*21.23*	
		For 20 Gauge, Add	*34.62*	
		For 18 Gauge, Add	*53.08*	
		For 16 Gauge, Add	*64.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.16*	
		For Work In Restricted Working Space, Add	*65.10*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	330.66	70.30
		For Seal Class B, Add	*42.00*	
		For Seal Class A, Add	*111.99*	
		For 24 Gauge, Add	*10.14*	
		For 22 Gauge, Add	*23.31*	
		For 20 Gauge, Add	*38.01*	
		For 18 Gauge, Add	*58.28*	
		For 16 Gauge, Add	*70.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.50*	
		For Work In Restricted Working Space, Add	*83.99*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	400.13	87.23
		For Seal Class B, Add	*52.08*	
		For Seal Class A, Add	*138.88*	
		For 24 Gauge, Add	*10.59*	
		For 22 Gauge, Add	*24.35*	
		For 20 Gauge, Add	*39.71*	
		For 18 Gauge, Add	*60.88*	
		For 16 Gauge, Add	*74.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.18*	
		For Work In Restricted Working Space, Add	*104.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	474.65	105.46
		For Seal Class B, Add	*63.00*	
		For Seal Class A, Add	*167.99*	
		For 24 Gauge, Add	*10.93*	
		For 22 Gauge, Add	*25.15*	
		For 20 Gauge, Add	*41.00*	
		For 18 Gauge, Add	*62.87*	
		For 16 Gauge, Add	*76.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.46*	
		For Work In Restricted Working Space, Add	*125.99*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	550.75	122.38
		For Seal Class B, Add	*73.69*	
		For Seal Class A, Add	*196.52*	
		For 24 Gauge, Add	*11.89*	
		For 22 Gauge, Add	*27.35*	
		For 20 Gauge, Add	*44.60*	
		For 18 Gauge, Add	*68.38*	
		For 16 Gauge, Add	*83.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.00*	
		For Work In Restricted Working Space, Add	*147.39*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	615.86	139.31
		For Seal Class B, Add	*83.10*	
		For Seal Class A, Add	*221.60*	
		For 24 Gauge, Add	*12.37*	
		For 22 Gauge, Add	*28.45*	
		For 20 Gauge, Add	*46.39*	
		For 18 Gauge, Add	*71.13*	
		For 16 Gauge, Add	*86.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.77*	
		For Work In Restricted Working Space, Add	*166.20*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	699.19	158.83
		For Seal Class B, Add	*95.26*	
		For Seal Class A, Add	*254.03*	
		For 24 Gauge, Add	*12.82*	
		For 22 Gauge, Add	*29.49*	
		For 20 Gauge, Add	*48.08*	
		For 18 Gauge, Add	*73.73*	
		For 16 Gauge, Add	*89.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.44*	
		For Work In Restricted Working Space, Add	*190.52*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	780.90	175.76
		For Seal Class B, Add	*105.56*	
		For Seal Class A, Add	*281.50*	
		For 24 Gauge, Add	*15.43*	
		For 22 Gauge, Add	*35.49*	
		For 20 Gauge, Add	*57.86*	
		For 18 Gauge, Add	*88.72*	
		For 16 Gauge, Add	*108.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.09*	
		For Work In Restricted Working Space, Add	*211.13*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	845.51	191.38
		For Seal Class B, Add	*114.88*	
		For Seal Class A, Add	*306.34*	
		For 24 Gauge, Add	*15.93*	
		For 22 Gauge, Add	*36.65*	
		For 20 Gauge, Add	*59.75*	
		For 18 Gauge, Add	*91.62*	
		For 16 Gauge, Add	*111.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*58.96*	
		For Work In Restricted Working Space, Add	*229.75*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	274.81	58.98
		For Seal Class B, Add	*35.40*	
		For Seal Class A, Add	*94.41*	
		For 24 Gauge, Add	*7.76*	
		For 22 Gauge, Add	*17.84*	
		For 20 Gauge, Add	*29.09*	
		For 18 Gauge, Add	*44.60*	
		For 16 Gauge, Add	*54.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.70*	
		For Work In Restricted Working Space, Add	*70.81*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	332.73	70.96
		For Seal Class B, Add	*42.57*	
		For Seal Class A, Add	*113.51*	
		For 24 Gauge, Add	*9.79*	
		For 22 Gauge, Add	*22.52*	
		For 20 Gauge, Add	*36.72*	
		For 18 Gauge, Add	*56.30*	
		For 16 Gauge, Add	*68.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.23*	
		For Work In Restricted Working Space, Add	*85.13*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	404.22	86.19
		For Seal Class B, Add	*51.72*	
		For Seal Class A, Add	*137.92*	
		For 24 Gauge, Add	*11.89*	
		For 22 Gauge, Add	*27.34*	
		For 20 Gauge, Add	*44.57*	
		For 18 Gauge, Add	*68.34*	
		For 16 Gauge, Add	*83.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.98*	
		For Work In Restricted Working Space, Add	*103.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	481.21	102.46
		For Seal Class B, Add	*61.57*	
		For Seal Class A, Add	*164.18*	
		For 24 Gauge, Add	*14.15*	
		For 22 Gauge, Add	*32.55*	
		For 20 Gauge, Add	*53.08*	
		For 18 Gauge, Add	*81.39*	
		For 16 Gauge, Add	*99.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.37*	
		For Work In Restricted Working Space, Add	*123.13*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	608.71	131.75
		For Seal Class B, Add	*79.00*	
		For Seal Class A, Add	*210.67*	
		For 24 Gauge, Add	*16.41*	
		For 22 Gauge, Add	*37.74*	
		For 20 Gauge, Add	*61.53*	
		For 18 Gauge, Add	*94.35*	
		For 16 Gauge, Add	*114.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.71*	
		For Work In Restricted Working Space, Add	*158.00*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	676.28	146.20
		For Seal Class B, Add	*87.65*	
		For Seal Class A, Add	*233.74*	
		For 24 Gauge, Add	*18.39*	
		For 22 Gauge, Add	*42.29*	
		For 20 Gauge, Add	*68.95*	
		For 18 Gauge, Add	*105.72*	
		For 16 Gauge, Add	*128.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.03*	
		For Work In Restricted Working Space, Add	*175.31*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	768.89	166.39
		For Seal Class B, Add	*99.64*	
		For Seal Class A, Add	*265.70*	
		For 24 Gauge, Add	*20.93*	
		For 22 Gauge, Add	*48.13*	
		For 20 Gauge, Add	*78.48*	
		For 18 Gauge, Add	*120.34*	
		For 16 Gauge, Add	*146.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*77.43*	
		For Work In Restricted Working Space, Add	*199.28*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	825.74	177.45
		For Seal Class B, Add	*106.37*	
		For Seal Class A, Add	*283.64*	
		For 24 Gauge, Add	*23.33*	
		For 22 Gauge, Add	*53.65*	
		For 20 Gauge, Add	*87.47*	
		For 18 Gauge, Add	*134.12*	
		For 16 Gauge, Add	*163.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*86.31*	
		For Work In Restricted Working Space, Add	*212.73*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	895.84	192.42
		For Seal Class B, Add	*115.42*	
		For Seal Class A, Add	*307.78*	
		For 24 Gauge, Add	*25.28*	
		For 22 Gauge, Add	*58.13*	
		For 20 Gauge, Add	*94.79*	
		For 18 Gauge, Add	*145.34*	
		For 16 Gauge, Add	*176.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*93.52*	
		For Work In Restricted Working Space, Add	*230.84*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	363.62	78.11
		For Seal Class B, Add	*46.81*	
		For Seal Class A, Add	*124.82*	
		For 24 Gauge, Add	*10.31*	
		For 22 Gauge, Add	*23.72*	
		For 20 Gauge, Add	*38.67*	
		For 18 Gauge, Add	*59.29*	
		For 16 Gauge, Add	*72.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.15*	
		For Work In Restricted Working Space, Add	*93.62*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	441.89	95.04
		For Seal Class B, Add	*56.90*	
		For Seal Class A, Add	*151.74*	
		For 24 Gauge, Add	*12.51*	
		For 22 Gauge, Add	*28.77*	
		For 20 Gauge, Add	*46.91*	
		For 18 Gauge, Add	*71.92*	
		For 16 Gauge, Add	*87.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.28*	
		For Work In Restricted Working Space, Add	*113.81*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	525.96	112.61
		For Seal Class B, Add	*67.71*	
		For Seal Class A, Add	*180.57*	
		For 24 Gauge, Add	*14.91*	
		For 22 Gauge, Add	*34.28*	
		For 20 Gauge, Add	*55.90*	
		For 18 Gauge, Add	*85.71*	
		For 16 Gauge, Add	*104.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.15*	
		For Work In Restricted Working Space, Add	*135.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	610.49	131.24
		For Seal Class B, Add	*78.62*	
		For Seal Class A, Add	*209.65*	
		For 24 Gauge, Add	*17.27*	
		For 22 Gauge, Add	*39.73*	
		For 20 Gauge, Add	*64.78*	
		For 18 Gauge, Add	*99.33*	
		For 16 Gauge, Add	*120.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*63.91*	
		For Work In Restricted Working Space, Add	*157.24*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	683.22	146.73
		For Seal Class B, Add	*87.97*	
		For Seal Class A, Add	*234.58*	
		For 24 Gauge, Add	*19.35*	
		For 22 Gauge, Add	*44.51*	
		For 20 Gauge, Add	*72.58*	
		For 18 Gauge, Add	*111.29*	
		For 16 Gauge, Add	*135.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.61*	
		For Work In Restricted Working Space, Add	*175.94*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	777.10	166.91
		For Seal Class B, Add	*100.05*	
		For Seal Class A, Add	*266.79*	
		For 24 Gauge, Add	*22.03*	
		For 22 Gauge, Add	*50.66*	
		For 20 Gauge, Add	*82.60*	
		For 18 Gauge, Add	*126.65*	
		For 16 Gauge, Add	*154.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.50*	
		For Work In Restricted Working Space, Add	*200.09*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	867.57	186.17
		For Seal Class B, Add	*111.72*	
		For Seal Class A, Add	*297.92*	
		For 24 Gauge, Add	*24.55*	
		For 22 Gauge, Add	*56.47*	
		For 20 Gauge, Add	*92.07*	
		For 18 Gauge, Add	*141.17*	
		For 16 Gauge, Add	*171.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*90.84*	
		For Work In Restricted Working Space, Add	*223.44*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	940.67	202.06
		For Seal Class B, Add	*121.15*	
		For Seal Class A, Add	*323.06*	
		For 24 Gauge, Add	*26.60*	
		For 22 Gauge, Add	*61.19*	
		For 20 Gauge, Add	*99.77*	
		For 18 Gauge, Add	*152.97*	
		For 16 Gauge, Add	*186.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*98.43*	
		For Work In Restricted Working Space, Add	*242.30*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	119.98	26.04
		For Seal Class B, Add	*15.62*	
		For Seal Class A, Add	*41.66*	
		For 24 Gauge, Add	*3.17*	
		For 22 Gauge, Add	*7.28*	
		For 20 Gauge, Add	*11.87*	
		For 18 Gauge, Add	*18.20*	
		For 16 Gauge, Add	*22.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.71*	
		For Work In Restricted Working Space, Add	*31.25*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	154.47	33.85
		For Seal Class B, Add	*20.56*	
		For Seal Class A, Add	*54.82*	
		For 24 Gauge, Add	*3.48*	
		For 22 Gauge, Add	*8.01*	
		For 20 Gauge, Add	*13.07*	
		For 18 Gauge, Add	*20.03*	
		For 16 Gauge, Add	*24.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.89*	
		For Work In Restricted Working Space, Add	*41.12*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	192.88	42.97
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*69.44*	
		For 24 Gauge, Add	*3.86*	
		For 22 Gauge, Add	*8.87*	
		For 20 Gauge, Add	*14.47*	
		For 18 Gauge, Add	*22.18*	
		For 16 Gauge, Add	*27.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.27*	
		For Work In Restricted Working Space, Add	*52.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	238.14	54.68
		For Seal Class B, Add	*32.55*	
		For Seal Class A, Add	*86.80*	
		For 24 Gauge, Add	*4.23*	
		For 22 Gauge, Add	*9.73*	
		For 20 Gauge, Add	*15.86*	
		For 18 Gauge, Add	*24.32*	
		For 16 Gauge, Add	*29.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.65*	
		For Work In Restricted Working Space, Add	*65.10*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	260.25	59.88
		For Seal Class B, Add	*35.51*	
		For Seal Class A, Add	*94.68*	
		For 24 Gauge, Add	*4.71*	
		For 22 Gauge, Add	*10.83*	
		For 20 Gauge, Add	*17.66*	
		For 18 Gauge, Add	*27.07*	
		For 16 Gauge, Add	*32.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.42*	
		For Work In Restricted Working Space, Add	*71.01*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	320.68	70.30
		For Seal Class B, Add	*42.00*	
		For Seal Class A, Add	*111.99*	
		For 24 Gauge, Add	*8.14*	
		For 22 Gauge, Add	*18.72*	
		For 20 Gauge, Add	*30.53*	
		For 18 Gauge, Add	*46.81*	
		For 16 Gauge, Add	*56.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.12*	
		For Work In Restricted Working Space, Add	*83.99*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	390.68	87.23
		For Seal Class B, Add	*52.08*	
		For Seal Class A, Add	*138.88*	
		For 24 Gauge, Add	*8.70*	
		For 22 Gauge, Add	*20.01*	
		For 20 Gauge, Add	*32.62*	
		For 18 Gauge, Add	*50.01*	
		For 16 Gauge, Add	*60.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.18*	
		For Work In Restricted Working Space, Add	*104.16*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	466.40	105.46
		For Seal Class B, Add	*63.00*	
		For Seal Class A, Add	*167.99*	
		For 24 Gauge, Add	*9.28*	
		For 22 Gauge, Add	*21.35*	
		For 20 Gauge, Add	*34.82*	
		For 18 Gauge, Add	*53.38*	
		For 16 Gauge, Add	*64.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.35*	
		For Work In Restricted Working Space, Add	*125.99*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	540.64	122.38
		For Seal Class B, Add	*73.69*	
		For Seal Class A, Add	*196.52*	
		For 24 Gauge, Add	*9.87*	
		For 22 Gauge, Add	*22.70*	
		For 20 Gauge, Add	*37.01*	
		For 18 Gauge, Add	*56.75*	
		For 16 Gauge, Add	*69.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.52*	
		For Work In Restricted Working Space, Add	*147.39*	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	606.02	139.31
		For Seal Class B, Add	*83.10*	
		For Seal Class A, Add	*221.60*	
		For 24 Gauge, Add	*10.40*	
		For 22 Gauge, Add	*23.92*	
		For 20 Gauge, Add	*39.01*	
		For 18 Gauge, Add	*59.81*	
		For 16 Gauge, Add	*72.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.49*	
		For Work In Restricted Working Space, Add	*166.20*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	77.86	18.23
		For Seal Class B, Add	*10.56*	
		For Seal Class A, Add	*28.15*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*3.45*	
		For 20 Gauge, Add	*5.62*	
		For 18 Gauge, Add	*8.61*	
		For 16 Gauge, Add	*10.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.54*	
		For Work In Restricted Working Space, Add	*21.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	112.66	26.04
		For Seal Class B, Add	*15.62*	
		For Seal Class A, Add	*41.66*	
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.91*	
		For 20 Gauge, Add	*6.38*	
		For 18 Gauge, Add	*9.79*	
		For 16 Gauge, Add	*11.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.30*	
		For Work In Restricted Working Space, Add	*31.25*	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	146.23	33.85
		For Seal Class B, Add	*20.56*	
		For Seal Class A, Add	*54.82*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.22*	
		For 20 Gauge, Add	*6.89*	
		For 18 Gauge, Add	*10.56*	
		For 16 Gauge, Add	*12.85*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.79*	
		For Work In Restricted Working Space, Add	*41.12*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	183.43	42.97
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*69.44*	
		For 24 Gauge, Add	*1.97*	
		For 22 Gauge, Add	*4.53*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*11.32*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.28*	
		For Work In Restricted Working Space, Add	*52.08*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	227.50	54.68
		For Seal Class B, Add	*32.55*	
		For Seal Class A, Add	*86.80*	
		For 24 Gauge, Add	*2.10*	
		For 22 Gauge, Add	*4.83*	
		For 20 Gauge, Add	*7.88*	
		For 18 Gauge, Add	*12.09*	
		For 16 Gauge, Add	*14.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.78*	
		For Work In Restricted Working Space, Add	*65.10*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	247.88	59.88
		For Seal Class B, Add	*35.51*	
		For Seal Class A, Add	*94.68*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.14*	
		For 20 Gauge, Add	*8.38*	
		For 18 Gauge, Add	*12.85*	
		For 16 Gauge, Add	*15.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.27*	
		For Work In Restricted Working Space, Add	*71.01*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	292.35	70.30
		For Seal Class B, Add	*42.00*	
		For Seal Class A, Add	*111.99*	
		For 24 Gauge, Add	*2.47*	
		For 22 Gauge, Add	*5.69*	
		For 20 Gauge, Add	*9.28*	
		For 18 Gauge, Add	*14.23*	
		For 16 Gauge, Add	*17.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.15*	
		For Work In Restricted Working Space, Add	*83.99*	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	360.22	87.23
		For Seal Class B, Add	*52.08*	
		For Seal Class A, Add	*138.88*	
		For 24 Gauge, Add	*2.61*	
		For 22 Gauge, Add	*5.99*	
		For 20 Gauge, Add	*9.77*	
		For 18 Gauge, Add	*14.98*	
		For 16 Gauge, Add	*18.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.64*	
		For Work In Restricted Working Space, Add	*104.16*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	433.81	105.46
		For Seal Class B, Add	*63.00*	
		For Seal Class A, Add	*167.99*	
		For 24 Gauge, Add	*2.77*	
		For 22 Gauge, Add	*6.36*	
		For 20 Gauge, Add	*10.37*	
		For 18 Gauge, Add	*15.90*	
		For 16 Gauge, Add	*19.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.23*	
		For Work In Restricted Working Space, Add	*125.99*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	505.65	246.07
		For Seal Class B, Add	*73.69*	
		For Seal Class A, Add	*196.52*	
		For 24 Gauge, Add	*2.87*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*10.77*	
		For 18 Gauge, Add	*16.51*	
		For 16 Gauge, Add	*20.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.63*	
		For Work In Restricted Working Space, Add	*147.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	569.17	277.31
		For Seal Class B, Add	*83.10*	
		For Seal Class A, Add	*221.60*	
		For 24 Gauge, Add	*3.03*	
		For 22 Gauge, Add	*6.97*	
		For 20 Gauge, Add	*11.37*	
		For 18 Gauge, Add	*17.43*	
		For 16 Gauge, Add	*21.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.22*	
		For Work In Restricted Working Space, Add	*166.20*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	43.97	18.23
		For Seal Class B, Add	*5.28*	
		For Seal Class A, Add	*14.08*	
		For 24 Gauge, Add	*1.76*	
		For 22 Gauge, Add	*4.04*	
		For 20 Gauge, Add	*6.59*	
		For 18 Gauge, Add	*10.10*	
		For 16 Gauge, Add	*12.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.50*	
		For Work In Restricted Working Space, Add	*10.56*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	61.91	26.04
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*20.83*	
		For 24 Gauge, Add	*1.97*	
		For 22 Gauge, Add	*4.53*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*11.32*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.28*	
		For Work In Restricted Working Space, Add	*15.62*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	79.29	35.16
		For Seal Class B, Add	*10.28*	
		For Seal Class A, Add	*27.41*	
		For 24 Gauge, Add	*2.15*	
		For 22 Gauge, Add	*4.95*	
		For 20 Gauge, Add	*8.08*	
		For 18 Gauge, Add	*12.39*	
		For 16 Gauge, Add	*15.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.97*	
		For Work In Restricted Working Space, Add	*20.56*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	98.76	44.27
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*34.72*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*5.51*	
		For 20 Gauge, Add	*8.98*	
		For 18 Gauge, Add	*13.77*	
		For 16 Gauge, Add	*16.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.86*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	121.79	54.68
		For Seal Class B, Add	*16.27*	
		For Seal Class A, Add	*43.40*	
		For 24 Gauge, Add	*2.66*	
		For 22 Gauge, Add	*6.12*	
		For 20 Gauge, Add	*9.98*	
		For 18 Gauge, Add	*15.30*	
		For 16 Gauge, Add	*18.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.84*	
		For Work In Restricted Working Space, Add	*32.55*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	132.99	59.88
		For Seal Class B, Add	*17.75*	
		For Seal Class A, Add	*47.34*	
		For 24 Gauge, Add	*2.93*	
		For 22 Gauge, Add	*6.73*	
		For 20 Gauge, Add	*10.97*	
		For 18 Gauge, Add	*16.82*	
		For 16 Gauge, Add	*20.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.83*	
		For Work In Restricted Working Space, Add	*35.51*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	153.94	69.00
		For Seal Class B, Add	*20.56*	
		For Seal Class A, Add	*54.82*	
		For 24 Gauge, Add	*3.38*	
		For 22 Gauge, Add	*7.77*	
		For 20 Gauge, Add	*12.67*	
		For 18 Gauge, Add	*19.42*	
		For 16 Gauge, Add	*23.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.50*	
		For Work In Restricted Working Space, Add	*41.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	230.52	87.23
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*69.44*	
		For 24 Gauge, Add	*11.39*	
		For 22 Gauge, Add	*26.19*	
		For 20 Gauge, Add	*42.70*	
		For 18 Gauge, Add	*65.47*	
		For 16 Gauge, Add	*79.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.13*	
		For Work In Restricted Working Space, Add	*52.08*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	278.71	108.06
		For Seal Class B, Add	*32.55*	
		For Seal Class A, Add	*86.80*	
		For 24 Gauge, Add	*12.34*	
		For 22 Gauge, Add	*28.39*	
		For 20 Gauge, Add	*46.29*	
		For 18 Gauge, Add	*70.98*	
		For 16 Gauge, Add	*86.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.67*	
		For Work In Restricted Working Space, Add	*65.10*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	303.22	118.48
		For Seal Class B, Add	*35.51*	
		For Seal Class A, Add	*94.68*	
		For 24 Gauge, Add	*13.30*	
		For 22 Gauge, Add	*30.59*	
		For 20 Gauge, Add	*49.88*	
		For 18 Gauge, Add	*76.49*	
		For 16 Gauge, Add	*93.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.22*	
		For Work In Restricted Working Space, Add	*71.01*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	348.44	138.01
		For Seal Class B, Add	*41.55*	
		For Seal Class A, Add	*110.80*	
		For 24 Gauge, Add	*14.29*	
		For 22 Gauge, Add	*32.86*	
		For 20 Gauge, Add	*53.57*	
		For 18 Gauge, Add	*82.14*	
		For 16 Gauge, Add	*100.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.86*	
		For Work In Restricted Working Space, Add	*83.10*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	51.43	41.36
		For Work In Restricted Working Space, Add	*15.12*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.08*	
		For Elevated Installation >20' To 25', Add	*12.60*	
		For Elevated Installation >25' To 30', Add	*17.64*	
		For Elevated Installation >30' To 35', Add	*20.16*	
		For Elevated Installation >35' To 40', Add	*25.21*	
		For Elevated Installation >40', Add	*27.73*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	45.04	17.63
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	45.04	17.63
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	48.09	19.04
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	48.09	19.04
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	50.50	19.04
		For Stainless Steel, Add	*14.90*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	52.10	20.45
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	52.10	20.45
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	53.60	20.45
		For Stainless Steel, Add	*15.24*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	52.53	21.86
		For Stainless Steel, Add	*10.57*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	55.61	23.26
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	61.77	23.26
		For Stainless Steel, Add	*18.28*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	58.96	24.68
		For Stainless Steel, Add	*11.53*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	64.99	24.68
		For Stainless Steel, Add	*18.77*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	46.63	19.04
		For Stainless Steel, Add	*10.26*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	46.63	19.04
		For Stainless Steel, Add	*10.26*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	50.43	20.45
		For Stainless Steel, Add	*11.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	51.86	20.45
		For Stainless Steel, Add	*13.15*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	52.73	21.86
		For Stainless Steel, Add	*10.81*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	55.78	23.26
		For Stainless Steel, Add	*11.09*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	47.61	19.04
		For Stainless Steel, Add	*11.44*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	51.01	20.45
		For Stainless Steel, Add	*12.13*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	45.04	17.63
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	48.09	19.04
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	52.10	20.45
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	52.10	20.45
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	52.53	21.86
		For Stainless Steel, Add	*10.57*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	55.61	23.26
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	61.77	23.26
		For Stainless Steel, Add	*18.28*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	64.58	24.68
		For Stainless Steel, Add	*18.28*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	29.28	12.53
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*7.54*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.03*	
		For Elevated Installation >20' To 25', Add	*6.28*	
		For Elevated Installation >25' To 30', Add	*8.80*	
		For Elevated Installation >30' To 35', Add	*10.05*	
		For Elevated Installation >35' To 40', Add	*12.57*	
		For Elevated Installation >40', Add	*13.82*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	26.78	12.93
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.69*	
		For Work In Restricted Working Space, Add	*7.76*	
		For Elevated Installation >10' To 15', Add	*2.59*	
		For Elevated Installation >15' To 20', Add	*5.17*	
		For Elevated Installation >20' To 25', Add	*6.46*	
		For Elevated Installation >25' To 30', Add	*9.05*	
		For Elevated Installation >30' To 35', Add	*10.34*	
		For Elevated Installation >35' To 40', Add	*12.93*	
		For Elevated Installation >40', Add	*14.22*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	12.71	2.59
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	14.92	2.85
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	17.24	3.13

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	22.80	7.64
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	28.49	8.94
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	38.78	13.12
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	51.28	16.57
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	64.96	20.76
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	78.32	24.94
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	88.30	29.12
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	100.58	31.86
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	108.64	33.88
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	134.58	38.06
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	141.63	40.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	173.85	43.53
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	199.18	50.46
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	230.28	60.83
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	306.20	67.76
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	343.04	76.12
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	381.43	87.22
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	433.24	101.78
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	466.71	124.56
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	569.56	152.24
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	80.99	30.99
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	97.28	36.76
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	112.61	43.25
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	148.58	57.67
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	182.16	72.09
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	213.36	86.50
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	264.66	107.40
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	282.39	115.33
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	305.88	123.26
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	329.37	132.63
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	359.56	144.16
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	412.14	158.58
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	471.84	172.99
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	534.11	194.62
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	596.36	216.25
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	658.58	237.87
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	814.12	288.32
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	982.03	360.41
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,178.37	432.49
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,346.14	490.15
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	118.98	30.99
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	137.65	36.76
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	157.73	43.25
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	205.57	57.67
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	251.02	72.09
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	296.48	86.50
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	352.52	107.40
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	389.25	115.33
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	424.62	123.26
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	452.85	132.63
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	478.30	144.16
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	554.62	158.58
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	609.58	172.99
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	740.71	194.62
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	824.33	216.25
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	931.67	237.87
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	1,099.09	288.32
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,321.62	360.41
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,544.08	432.49
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,764.09	490.15
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	202.93	74.68
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	239.02	89.23
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	277.47	103.79
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	361.27	138.39
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	445.05	172.99
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	528.87	207.60
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	651.08	258.20
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	728.68	273.33
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	822.50	296.83
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	962.76	318.31
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	1,099.18	345.99
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,263.72	380.59
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,653.80	415.19
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	2,084.69	467.08
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,693.67	519.13
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	3,172.08	571.03
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,765.52	691.98
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,576.29	864.97
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,386.50	1,037.69
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	6,139.34	1,175.94
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	176.79	74.68
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	208.15	89.23
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	241.82	103.79
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	309.03	138.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	376.19	172.99
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	448.22	207.60
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	553.82	258.20
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	597.94	273.33
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	698.76	296.69
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	792.17	318.60
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	904.36	345.99
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	1,032.70	380.30
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,273.31	414.90
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,536.80	467.52
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,917.75	519.42
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,234.06	571.03
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,668.39	691.98
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	3,217.94	864.97
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,792.11	1,035.67
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	4,289.18	1,177.09
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	268.80	111.43
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	318.72	134.22
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	366.35	155.69
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	476.62	207.60
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	584.59	258.20
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	699.38	312.83
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	845.69	379.15
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	921.35	410.29
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	1,051.52	445.75
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,175.73	477.47
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,340.07	519.13
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,521.64	571.03
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,785.78	622.64
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	2,118.16	700.92
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,722.67	778.76
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	3,208.98	856.76
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,868.33	1,038.70
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,656.79	1,298.04
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	5,444.41	1,556.81
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	6,148.00	1,765.28
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	233.15	111.43
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	275.93	134.22
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	316.52	155.69
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	407.85	207.60
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	496.82	258.20
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	597.33	312.83
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	717.78	379.44
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	778.23	410.00
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	852.34	445.89
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	919.97	477.90
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	1,003.47	519.42
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	1,108.43	571.03
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,220.00	622.35
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,376.48	700.49
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,536.24	779.20
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,688.57	856.48
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	2,022.93	1,035.67
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,487.80	1,300.35
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	3,000.31	1,557.97
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	3,369.55	1,765.28
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	186.34	74.82
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	220.09	89.39
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	258.56	103.79
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	335.15	138.39
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	407.06	172.99
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	489.86	208.46
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	587.06	258.20
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	626.44	273.33
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	689.26	296.69
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	754.18	318.60
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	837.87	345.99
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	948.55	381.02
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	1,058.80	415.91
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,197.21	467.52
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,335.94	519.42
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,497.89	571.03
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,782.62	691.98
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	2,146.93	864.97
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,438.51	1,035.67
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,745.59	1,177.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	214.84	74.82
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	239.09	89.39
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	277.56	103.79
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	361.27	138.39
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	445.05	172.99
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	530.24	208.46
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	639.31	258.20
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	692.93	273.33
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	755.75	296.69
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	844.42	318.60
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	1,037.35	345.99
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,240.64	381.02
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,334.27	415.91
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,515.43	467.52
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,649.40	519.42
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,806.61	571.03
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	2,031.96	691.98
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,382.03	864.97
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,699.73	1,035.67
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,983.07	1,177.09
23 31 16 16-0191		**Fiber Reinforced Plastic Butterfly Dampers** *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	512.94	74.68
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	578.07	89.23
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	643.16	103.79
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	762.17	138.39
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	901.60	172.99
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	1,020.62	207.60
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,166.16	258.20
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,293.73	273.33
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,435.15	296.83
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,573.13	318.31
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,680.64	345.99
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,901.85	380.59
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,204.78	415.19
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,536.64	467.08
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,909.38	519.13
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,241.27	571.03
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,810.85	691.98
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,467.13	864.97
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	5,081.99	1,037.69
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,843.89	1,175.94
23 31 16 23		**Fabric Ducts** *(23 31 16)*		
23 31 16 23-0001		Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*		
23 31 16 23-0002		Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*		
		Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.		
23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	207.83	9.79
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	324.68	13.06
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	251.39	16.33
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	373.89	21.45
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	305.40	22.39
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	437.36	29.85
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	356.09	28.91
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	500.82	38.24
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	397.32	33.11
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	595.26	44.30
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	437.17	36.84
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	664.06	48.97
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	476.48	41.97
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	766.07	55.96
23 31 16 23-0017		Heavy-Duty Fabric Duct With Vents *(23 31 16 23-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	562.37	13.06
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	625.84	21.45
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	701.19	29.85
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	778.92	38.24
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	937.53	44.30
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,006.33	48.97
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,136.87	55.96
23 31 16 23-0025		**Heavy-Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	420.21	13.99
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	471.78	22.39
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	636.70	24.25
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	778.59	32.64
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	982.43	36.38
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,222.88	39.64
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,389.26	44.30
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	322.76	13.99
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	381.46	22.39
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	427.53	24.25
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	500.50	32.64
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	578.36	36.38
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	692.83	39.64
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	790.17	44.30
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,025.79	32.64
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,080.40	34.97
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,174.19	47.11
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,236.31	52.70
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,283.71	57.36
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,347.70	64.36
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	168.26	13.99
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	200.82	22.39
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	215.99	24.25
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	250.92	32.64
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	269.36	36.38
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	288.76	39.64
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	317.16	44.30
23 31 16 23-0056		**Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	99.00	8.39
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	126.43	13.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	148.27	14.46
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	206.61	19.58
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	246.95	21.91
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	307.27	23.78
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	346.65	26.58

23 31 16 23-0064 Heavy-Duty Fabric Duct Suspension Hardware *(23 31 16 23-0001)*

23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	40.08	7.07
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	62.37	10.60
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	15.15	3.53
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.87	0.14
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	34.83	7.07
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	71.65	7.07
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	98.26	10.60
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	19.60	3.53
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	2.68	0.14
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	46.33	7.07

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) *(23 33 13 13)*

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	135.86	11.28
		For Stainless Steel, Add	*110.51*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	144.19	12.69
		For Stainless Steel, Add	*112.10*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	153.44	14.10
		For Stainless Steel, Add	*113.29*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	165.39	16.92
		For Stainless Steel, Add	*120.37*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	178.74	18.33
		For Stainless Steel, Add	*127.45*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	215.04	19.74
		For Stainless Steel, Add	*162.85*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	235.05	21.16
		For Stainless Steel, Add	*177.02*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	247.41	23.97
		For Stainless Steel, Add	*184.07*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	272.64	25.38
		For Stainless Steel, Add	*205.33*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	322.78	28.21
		For Stainless Steel, Add	*254.90*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	357.26	28.21
		For Stainless Steel, Add	*290.26*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	410.11	32.44
		For Stainless Steel, Add	*339.83*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	442.18	33.85
		For Stainless Steel, Add	*370.30*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.64	15.68
		For Stainless Steel, Add	*120.70*	
		For Parallel Blade Damper, Add	*40.23*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.90	16.40
		For Stainless Steel, Add	*129.26*	
		For Parallel Blade Damper, Add	*43.09*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.38	16.54
		For Stainless Steel, Add	*137.89*	
		For Parallel Blade Damper, Add	*45.96*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.38	16.54
		For Stainless Steel, Add	*137.89*	
		For Parallel Blade Damper, Add	*45.96*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.99	16.96
		For Stainless Steel, Add	*146.53*	
		For Parallel Blade Damper, Add	*48.84*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.97	18.80
		For Stainless Steel, Add	*163.73*	
		For Parallel Blade Damper, Add	*54.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.99	16.96
		For Stainless Steel, Add	*146.53*	
		For Parallel Blade Damper, Add	*48.84*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.14	17.95
		For Stainless Steel, Add	*163.73*	
		For Parallel Blade Damper, Add	*54.58*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.21	18.80
		For Stainless Steel, Add	*172.42*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.32	21.20
		For Stainless Steel, Add	*189.28*	
		For Parallel Blade Damper, Add	*63.09*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.59	17.95
		For Stainless Steel, Add	*159.47*	
		For Parallel Blade Damper, Add	*53.16*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.21	18.80
		For Stainless Steel, Add	*172.42*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.23	19.79
		For Stainless Steel, Add	*181.04*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.65	21.20
		For Stainless Steel, Add	*189.67*	
		For Parallel Blade Damper, Add	*63.22*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.65	23.60
		For Stainless Steel, Add	*211.19*	
		For Parallel Blade Damper, Add	*70.40*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.21	18.80
		For Stainless Steel, Add	*172.42*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.64	20.21
		For Stainless Steel, Add	*181.04*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.48	22.19
		For Stainless Steel, Add	*189.67*	
		For Parallel Blade Damper, Add	*63.22*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.87	23.60
		For Stainless Steel, Add	*198.25*	
		For Parallel Blade Damper, Add	*66.08*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.95	25.86
		For Stainless Steel, Add	*219.88*	
		For Parallel Blade Damper, Add	*73.29*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.95	28.27
		For Stainless Steel, Add	*241.39*	
		For Parallel Blade Damper, Add	*80.46*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.23	19.79
		For Stainless Steel, Add	*181.04*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.20	21.20
		For Stainless Steel, Add	*193.93*	
		For Parallel Blade Damper, Add	*64.64*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.11	23.60
		For Stainless Steel, Add	*206.94*	
		For Parallel Blade Damper, Add	*68.98*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.15	25.86
		For Stainless Steel, Add	*228.52*	
		For Parallel Blade Damper, Add	*76.17*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.55	28.27
		For Stainless Steel, Add	*245.71*	
		For Parallel Blade Damper, Add	*81.90*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	304.43	30.53
		For Stainless Steel, Add	*255.08*	
		For Parallel Blade Damper, Add	*85.03*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.78	32.93
		For Stainless Steel, Add	*267.43*	
		For Parallel Blade Damper, Add	*89.14*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.28	21.20
		For Stainless Steel, Add	*172.43*	
		For Parallel Blade Damper, Add	*57.48*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.38	23.60
		For Stainless Steel, Add	*188.06*	
		For Parallel Blade Damper, Add	*62.69*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	247.52	25.86
		For Stainless Steel, Add	*203.76*	
		For Parallel Blade Damper, Add	*67.92*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.74	28.27
		For Stainless Steel, Add	*235.14*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.62	30.53
		For Stainless Steel, Add	*246.91*	
		For Parallel Blade Damper, Add	*82.30*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.48	32.93
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	334.58	35.33
		For Stainless Steel, Add	*274.31*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	354.68	37.60
		For Stainless Steel, Add	*289.94*	
		For Parallel Blade Damper, Add	*96.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.92	23.60
		For Stainless Steel, Add	*195.91*	
		For Parallel Blade Damper, Add	*65.30*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.60	25.86
		For Stainless Steel, Add	*219.46*	
		For Parallel Blade Damper, Add	*73.15*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.74	28.27
		For Stainless Steel, Add	*235.14*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	307.42	30.53
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.25	32.93
		For Stainless Steel, Add	*270.40*	
		For Parallel Blade Damper, Add	*90.13*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.12	35.33
		For Stainless Steel, Add	*282.16*	
		For Parallel Blade Damper, Add	*94.05*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	367.76	37.60
		For Stainless Steel, Add	*305.64*	
		For Parallel Blade Damper, Add	*101.88*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.46	42.40
		For Stainless Steel, Add	*329.12*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	441.78	47.06
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.60	25.86
		For Stainless Steel, Add	*219.46*	
		For Parallel Blade Damper, Add	*73.15*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.74	28.27
		For Stainless Steel, Add	*235.14*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	307.42	30.53
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.51	32.93
		For Stainless Steel, Add	*274.31*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.88	35.33
		For Stainless Steel, Add	*293.87*	
		For Parallel Blade Damper, Add	*97.96*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.25	37.60
		For Stainless Steel, Add	*313.43*	
		For Parallel Blade Damper, Add	*104.48*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.00	42.40
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	441.78	47.06
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.99	49.47
		For Stainless Steel, Add	*407.52*	
		For Parallel Blade Damper, Add	*135.84*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	534.76	54.13
		For Stainless Steel, Add	*446.69*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	300.35	28.27
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.92	30.53
		For Stainless Steel, Add	*266.47*	
		For Parallel Blade Damper, Add	*88.82*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.51	32.93
		For Stainless Steel, Add	*274.31*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.61	35.33
		For Stainless Steel, Add	*289.94*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	375.52	37.60
		For Stainless Steel, Add	*314.95*	
		For Parallel Blade Damper, Add	*104.98*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.00	42.40
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.32	47.06
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.57	51.72
		For Stainless Steel, Add	*399.73*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	534.76	54.13
		For Stainless Steel, Add	*446.69*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	591.83	57.94
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	653.97	61.19
		For Stainless Steel, Add	*564.31*	
		For Parallel Blade Damper, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.99	30.53
		For Stainless Steel, Add	*282.16*	
		For Parallel Blade Damper, Add	*94.05*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.08	32.93
		For Stainless Steel, Add	*297.79*	
		For Parallel Blade Damper, Add	*99.26*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	367.18	35.33
		For Stainless Steel, Add	*313.43*	
		For Parallel Blade Damper, Add	*104.48*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.87	37.60
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.85	42.40
		For Stainless Steel, Add	*348.79*	
		For Parallel Blade Damper, Add	*116.26*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.72	44.66
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.57	51.72
		For Stainless Steel, Add	*399.73*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	535.30	56.53
		For Stainless Steel, Add	*438.85*	
		For Parallel Blade Damper, Add	*146.28*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	580.17	58.37
		For Stainless Steel, Add	*485.92*	
		For Parallel Blade Damper, Add	*161.97*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	645.10	62.61
		For Stainless Steel, Add	*548.57*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	700.71	65.85
		For Stainless Steel, Add	*603.43*	
		For Parallel Blade Damper, Add	*201.14*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	760.03	68.25
		For Stainless Steel, Add	*666.14*	
		For Parallel Blade Damper, Add	*222.05*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.54	35.33
		For Stainless Steel, Add	*289.94*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	373.72	37.60
		For Stainless Steel, Add	*321.28*	
		For Parallel Blade Damper, Add	*107.09*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.33	40.00
		For Stainless Steel, Add	*329.12*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.93	42.40
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	437.95	44.66
		For Stainless Steel, Add	*364.43*	
		For Parallel Blade Damper, Add	*121.48*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.89	47.06
		For Stainless Steel, Add	*391.88*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	515.20	54.13
		For Stainless Steel, Add	*423.22*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.49	58.79
		For Stainless Steel, Add	*454.60*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	605.97	62.61
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	687.68	65.85
		For Stainless Steel, Add	*587.80*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	738.13	69.68
		For Stainless Steel, Add	*634.76*	
		For Parallel Blade Damper, Add	*211.59*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	815.65	71.51
		For Stainless Steel, Add	*721.01*	
		For Parallel Blade Damper, Add	*240.34*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	892.28	75.32
		For Stainless Steel, Add	*799.40*	
		For Parallel Blade Damper, Add	*266.47*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.69	35.33
		For Stainless Steel, Add	*305.64*	
		For Parallel Blade Damper, Add	*101.88*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.87	37.60
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	420.58	40.00
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.19	42.40
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.37	44.66
		For Stainless Steel, Add	*399.73*	
		For Parallel Blade Damper, Add	*133.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	500.53	47.06
		For Stainless Steel, Add	*431.05*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	561.49	56.53
		For Stainless Steel, Add	*470.28*	
		For Parallel Blade Damper, Add	*156.76*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	608.21	61.19
		For Stainless Steel, Add	*509.40*	
		For Parallel Blade Damper, Add	*169.80*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	687.68	65.85
		For Stainless Steel, Add	*587.80*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	760.61	70.66
		For Stainless Steel, Add	*658.36*	
		For Parallel Blade Damper, Add	*219.45*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	839.98	75.32
		For Stainless Steel, Add	*736.64*	
		For Parallel Blade Damper, Add	*245.55*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	905.84	77.58
		For Stainless Steel, Add	*807.19*	
		For Parallel Blade Damper, Add	*269.06*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	971.71	79.99
		For Stainless Steel, Add	*877.75*	
		For Parallel Blade Damper, Add	*292.58*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,037.56	82.39
		For Stainless Steel, Add	*948.30*	
		For Parallel Blade Damper, Add	*316.10*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.33	37.60
		For Stainless Steel, Add	*329.12*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	420.58	40.00
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.19	42.40
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.89	47.06
		For Stainless Steel, Add	*391.88*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	508.14	51.72
		For Stainless Steel, Add	*423.22*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	548.42	56.53
		For Stainless Steel, Add	*454.60*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	601.72	61.19
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	654.99	65.85
		For Stainless Steel, Add	*548.57*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	727.92	70.66
		For Stainless Steel, Add	*619.13*	
		For Parallel Blade Damper, Add	*206.38*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	813.87	75.32
		For Stainless Steel, Add	*705.31*	
		For Parallel Blade Damper, Add	*235.10*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	879.78	77.58
		For Stainless Steel, Add	*775.92*	
		For Parallel Blade Damper, Add	*258.64*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	965.17	79.99
		For Stainless Steel, Add	*869.90*	
		For Parallel Blade Damper, Add	*289.97*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,038.09	84.65
		For Stainless Steel, Add	*940.45*	
		For Parallel Blade Damper, Add	*313.48*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,123.52	87.05
		For Stainless Steel, Add	*1,034.48*	
		For Parallel Blade Damper, Add	*344.83*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,196.98	94.12
		For Stainless Steel, Add	*1,097.20*	
		For Parallel Blade Damper, Add	*365.73*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	414.05	40.00
		For Stainless Steel, Add	*352.72*	
		For Parallel Blade Damper, Add	*117.57*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	447.22	42.40
		For Stainless Steel, Add	*384.04*	
		For Parallel Blade Damper, Add	*128.01*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.46	47.06
		For Stainless Steel, Add	*415.37*	
		For Parallel Blade Damper, Add	*138.46*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	508.14	51.72
		For Stainless Steel, Add	*423.22*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	551.68	56.53
		For Stainless Steel, Add	*458.51*	
		For Parallel Blade Damper, Add	*152.84*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	595.18	61.19
		For Stainless Steel, Add	*493.76*	
		For Parallel Blade Damper, Add	*164.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	648.50	65.85
		For Stainless Steel, Add	*540.78*	
		For Parallel Blade Damper, Add	*180.26*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	701.81	70.66
		For Stainless Steel, Add	*587.80*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	774.74	75.32
		For Stainless Steel, Add	*658.36*	
		For Parallel Blade Damper, Add	*219.45*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	867.19	79.99
		For Stainless Steel, Add	*752.33*	
		For Parallel Blade Damper, Add	*250.78*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	939.54	82.39
		For Stainless Steel, Add	*830.68*	
		For Parallel Blade Damper, Add	*276.89*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,031.55	84.65
		For Stainless Steel, Add	*932.60*	
		For Parallel Blade Damper, Add	*310.87*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,124.00	89.45
		For Stainless Steel, Add	*1,026.59*	
		For Parallel Blade Damper, Add	*342.20*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,196.98	94.12
		For Stainless Steel, Add	*1,097.20*	
		For Parallel Blade Damper, Add	*365.73*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,296.53	101.19
		For Stainless Steel, Add	*1,191.23*	
		For Parallel Blade Damper, Add	*397.08*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,375.99	105.85
		For Stainless Steel, Add	*1,269.62*	
		For Parallel Blade Damper, Add	*423.21*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.19	42.40
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.92	47.06
		For Stainless Steel, Add	*407.52*	
		For Parallel Blade Damper, Add	*135.84*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.67	51.72
		For Stainless Steel, Add	*431.05*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	535.30	56.53
		For Stainless Steel, Add	*438.85*	
		For Parallel Blade Damper, Add	*146.28*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	585.37	61.19
		For Stainless Steel, Add	*481.99*	
		For Parallel Blade Damper, Add	*160.66*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.42	65.85
		For Stainless Steel, Add	*525.08*	
		For Parallel Blade Damper, Add	*175.03*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	685.47	70.66
		For Stainless Steel, Add	*568.19*	
		For Parallel Blade Damper, Add	*189.40*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	735.51	75.32
		For Stainless Steel, Add	*611.28*	
		For Parallel Blade Damper, Add	*203.76*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	828.01	79.99
		For Stainless Steel, Add	*705.31*	
		For Parallel Blade Damper, Add	*235.10*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	913.48	82.39
		For Stainless Steel, Add	*799.40*	
		For Parallel Blade Damper, Add	*266.47*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	992.37	84.65
		For Stainless Steel, Add	*885.59*	
		For Parallel Blade Damper, Add	*295.20*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,097.94	89.45
		For Stainless Steel, Add	*995.32*	
		For Parallel Blade Damper, Add	*331.77*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,190.44	94.12
		For Stainless Steel, Add	*1,089.35*	
		For Parallel Blade Damper, Add	*363.12*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,289.47	98.78
		For Stainless Steel, Add	*1,191.23*	
		For Parallel Blade Damper, Add	*397.08*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,368.92	103.59
		For Stainless Steel, Add	*1,269.62*	
		For Parallel Blade Damper, Add	*423.21*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,467.96	108.25
		For Stainless Steel, Add	*1,371.50*	
		For Parallel Blade Damper, Add	*457.17*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,566.99	112.92
		For Stainless Steel, Add	*1,473.38*	
		For Parallel Blade Damper, Add	*491.13*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.89	47.06
		For Stainless Steel, Add	*391.88*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.67	51.72
		For Stainless Steel, Add	*431.05*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	541.83	56.53
		For Stainless Steel, Add	*446.69*	
		For Parallel Blade Damper, Add	*148.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	562.54	61.19
		For Stainless Steel, Add	*454.60*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	615.86	65.85
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	669.12	70.66
		For Stainless Steel, Add	*548.57*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	725.70	75.32
		For Stainless Steel, Add	*599.51*	
		For Parallel Blade Damper, Add	*199.84*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.29	79.99
		For Stainless Steel, Add	*650.45*	
		For Parallel Blade Damper, Add	*216.82*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	874.25	82.39
		For Stainless Steel, Add	*752.33*	
		For Parallel Blade Damper, Add	*250.78*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	959.68	84.65
		For Stainless Steel, Add	*846.36*	
		For Parallel Blade Damper, Add	*282.12*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,058.76	89.45
		For Stainless Steel, Add	*948.30*	
		For Parallel Blade Damper, Add	*316.10*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,157.80	94.12
		For Stainless Steel, Add	*1,050.18*	
		For Parallel Blade Damper, Add	*350.06*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,237.22	98.78
		For Stainless Steel, Add	*1,128.53*	
		For Parallel Blade Damper, Add	*376.18*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,355.80	103.59
		For Stainless Steel, Add	*1,253.88*	
		For Parallel Blade Damper, Add	*417.96*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,461.38	108.25
		For Stainless Steel, Add	*1,363.61*	
		For Parallel Blade Damper, Add	*454.54*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,566.99	112.92
		For Stainless Steel, Add	*1,473.38*	
		For Parallel Blade Damper, Add	*491.13*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,659.40	117.72
		For Stainless Steel, Add	*1,567.32*	
		For Parallel Blade Damper, Add	*522.44*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,751.99	122.39
		For Stainless Steel, Add	*1,661.46*	
		For Parallel Blade Damper, Add	*553.82*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	151.96	15.26
		For Smoke Damper, Add	*90.13*	
		For Spring Activated Horizontal Mount Operation, Add	*23.86*	
		For Dynamic Damper, Add	*57.26*	
		For 3 Hour Rated, Add	*31.81*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	209.80	15.26
		For Smoke Damper, Add	*139.29*	
		For Spring Activated Horizontal Mount Operation, Add	*36.87*	
		For Dynamic Damper, Add	*88.49*	
		For 3 Hour Rated, Add	*49.16*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.12	15.68
		For Spring Activated Horizontal Mount Operation, Add	*7.21*	
		For Dynamic Damper, Add	*17.31*	
		For 3 Hour Rated, Add	*9.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.02*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.52	16.40
		For Spring Activated Horizontal Mount Operation, Add	*7.73*	
		For Dynamic Damper, Add	*18.54*	
		For 3 Hour Rated, Add	*10.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.59*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.10	16.54
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.10	16.54
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.81	16.96
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.03	18.80
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.88*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.81	16.96
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.20	17.95
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.88*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.32	18.80
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.68	21.20
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.06	17.95
		For Spring Activated Horizontal Mount Operation, Add	*9.53*	
		For Dynamic Damper, Add	*22.87*	
		For 3 Hour Rated, Add	*12.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.59*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.32	18.80
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.45	19.79
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.97	21.20
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.77	23.60
		For Spring Activated Horizontal Mount Operation, Add	*12.62*	
		For Dynamic Damper, Add	*30.30*	
		For 3 Hour Rated, Add	*16.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.03*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.32	18.80
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.86	20.21
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.80	22.19
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.32	23.60
		For Spring Activated Horizontal Mount Operation, Add	*11.85*	
		For Dynamic Damper, Add	*28.44*	
		For 3 Hour Rated, Add	*15.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.17*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.12	25.86
		For Spring Activated Horizontal Mount Operation, Add	*13.14*	
		For Dynamic Damper, Add	*31.54*	
		For 3 Hour Rated, Add	*17.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.60*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.92	28.27
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.45	19.79
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.11	21.20
		For Spring Activated Horizontal Mount Operation, Add	*11.59*	
		For Dynamic Damper, Add	*27.82*	
		For 3 Hour Rated, Add	*15.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.63	23.60
		For Spring Activated Horizontal Mount Operation, Add	*12.37*	
		For Dynamic Damper, Add	*29.68*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.41	25.86
		For Spring Activated Horizontal Mount Operation, Add	*13.66*	
		For Dynamic Damper, Add	*32.77*	
		For 3 Hour Rated, Add	*18.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.17*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.05	28.27
		For Spring Activated Horizontal Mount Operation, Add	*14.68*	
		For Dynamic Damper, Add	*35.24*	
		For 3 Hour Rated, Add	*19.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.32*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.85	30.53
		For Spring Activated Horizontal Mount Operation, Add	*15.97*	
		For Dynamic Damper, Add	*38.33*	
		For 3 Hour Rated, Add	*21.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.75*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.34	32.93
		For Spring Activated Horizontal Mount Operation, Add	*16.74*	
		For Dynamic Damper, Add	*40.19*	
		For 3 Hour Rated, Add	*22.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.61*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.97	21.20
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.61	23.60
		For Spring Activated Horizontal Mount Operation, Add	*12.36*	
		For Dynamic Damper, Add	*29.67*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.26	25.86
		For Spring Activated Horizontal Mount Operation, Add	*13.40*	
		For Dynamic Damper, Add	*32.15*	
		For 3 Hour Rated, Add	*17.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.89*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.50	28.27
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.01	30.53
		For Spring Activated Horizontal Mount Operation, Add	*16.23*	
		For Dynamic Damper, Add	*38.96*	
		For 3 Hour Rated, Add	*21.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.04*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.50	32.93
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.14	35.33
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.78	37.60
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.90	23.60
		For Spring Activated Horizontal Mount Operation, Add	*12.88*	
		For Dynamic Damper, Add	*30.91*	
		For 3 Hour Rated, Add	*17.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.31*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.85	25.86
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.50	28.27
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.44	30.53
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.93	32.93
		For Spring Activated Horizontal Mount Operation, Add	*17.78*	
		For Dynamic Damper, Add	*42.67*	
		For 3 Hour Rated, Add	*23.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.43	35.33
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.52*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.37	37.60
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.23*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.36	42.40
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.67	47.06
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.85	25.86
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.50	28.27
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.44	30.53
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.07	32.93
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.86	35.33
		For Spring Activated Horizontal Mount Operation, Add	*19.32*	
		For Dynamic Damper, Add	*46.37*	
		For 3 Hour Rated, Add	*25.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.47*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.64	37.60
		For Spring Activated Horizontal Mount Operation, Add	*20.61*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.90*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.65	42.40
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.67	47.06
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.46	49.47
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.30*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.05	54.13
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.37	28.27
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.71	30.53
		For Spring Activated Horizontal Mount Operation, Add	*17.52*	
		For Dynamic Damper, Add	*42.04*	
		For 3 Hour Rated, Add	*23.36*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.46*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.07	32.93
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.71	35.33
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.08	37.60
		For Spring Activated Horizontal Mount Operation, Add	*20.70*	
		For Dynamic Damper, Add	*49.69*	
		For 3 Hour Rated, Add	*27.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.01*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.65	42.40
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.96	47.06
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.26	51.72
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.05	54.13
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.39	57.94
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.59	61.19
		For Spring Activated Horizontal Mount Operation, Add	*37.10*	
		For Dynamic Damper, Add	*89.04*	
		For 3 Hour Rated, Add	*49.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.22*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.30	30.53
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.52*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.93	32.93
		For Spring Activated Horizontal Mount Operation, Add	*19.58*	
		For Dynamic Damper, Add	*46.99*	
		For 3 Hour Rated, Add	*26.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.75*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.57	35.33
		For Spring Activated Horizontal Mount Operation, Add	*20.61*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.90*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.52	37.60
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.10	42.40
		For Spring Activated Horizontal Mount Operation, Add	*22.93*	
		For Dynamic Damper, Add	*55.03*	
		For 3 Hour Rated, Add	*30.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.61	44.66
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.26	51.72
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.82	56.53
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.37	58.37
		For Spring Activated Horizontal Mount Operation, Add	*18.25*	
		For Dynamic Damper, Add	*43.81*	
		For 3 Hour Rated, Add	*24.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.28*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.26	62.61
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.17	65.85
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.21*	
		For 3 Hour Rated, Add	*52.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.54	68.25
		For Spring Activated Horizontal Mount Operation, Add	*43.79*	
		For Dynamic Damper, Add	*105.10*	
		For 3 Hour Rated, Add	*58.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.66*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.64	35.33
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.87	37.60
		For Spring Activated Horizontal Mount Operation, Add	*21.12*	
		For Dynamic Damper, Add	*50.70*	
		For 3 Hour Rated, Add	*28.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.47*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.23	40.00
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.58	42.40
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.74	44.66
		For Spring Activated Horizontal Mount Operation, Add	*23.96*	
		For Dynamic Damper, Add	*57.50*	
		For 3 Hour Rated, Add	*31.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.62*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.82	47.06
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.18	54.13
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.48	58.79
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.53	62.61
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.60	65.85
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.64	69.68
		For Spring Activated Horizontal Mount Operation, Add	*41.73*	
		For Dynamic Damper, Add	*100.16*	
		For 3 Hour Rated, Add	*55.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.37*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.48	71.51
		For Spring Activated Horizontal Mount Operation, Add	*47.40*	
		For Dynamic Damper, Add	*113.76*	
		For 3 Hour Rated, Add	*63.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.67*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.69	75.32
		For Spring Activated Horizontal Mount Operation, Add	*52.56*	
		For Dynamic Damper, Add	*126.13*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.40*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.30	35.33
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.23*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.52	37.60
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.47	40.00
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.83	42.40
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.06	44.66
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.28	47.06
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.00	56.53
		For Spring Activated Horizontal Mount Operation, Add	*30.92*	
		For Dynamic Damper, Add	*74.20*	
		For 3 Hour Rated, Add	*41.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.35*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.55	61.19
		For Spring Activated Horizontal Mount Operation, Add	*33.49*	
		For Dynamic Damper, Add	*80.37*	
		For 3 Hour Rated, Add	*44.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.21*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.60	65.85
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.34	70.66
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.87*	
		For 3 Hour Rated, Add	*57.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.36	75.32
		For Spring Activated Horizontal Mount Operation, Add	*48.43*	
		For Dynamic Damper, Add	*116.24*	
		For 3 Hour Rated, Add	*64.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*53.81*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.04	77.58
		For Spring Activated Horizontal Mount Operation, Add	*53.07*	
		For Dynamic Damper, Add	*127.36*	
		For 3 Hour Rated, Add	*70.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.97*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.72	79.99
		For Spring Activated Horizontal Mount Operation, Add	*57.71*	
		For Dynamic Damper, Add	*138.49*	
		For 3 Hour Rated, Add	*76.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.12*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.40	82.39
		For Spring Activated Horizontal Mount Operation, Add	*62.35*	
		For Dynamic Damper, Add	*149.63*	
		For 3 Hour Rated, Add	*83.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.23	37.60
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.47	40.00
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.83	42.40
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.82	47.06
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.12	51.72
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.41	56.53
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.28	61.19
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.15	65.85
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.89	70.66
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.69*	
		For 3 Hour Rated, Add	*54.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.23*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.20	75.32
		For Spring Activated Horizontal Mount Operation, Add	*46.37*	
		For Dynamic Damper, Add	*111.29*	
		For 3 Hour Rated, Add	*61.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.89	77.58
		For Spring Activated Horizontal Mount Operation, Add	*51.01*	
		For Dynamic Damper, Add	*122.42*	
		For 3 Hour Rated, Add	*68.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.68*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.42	79.99
		For Spring Activated Horizontal Mount Operation, Add	*57.19*	
		For Dynamic Damper, Add	*137.25*	
		For 3 Hour Rated, Add	*76.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.54*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.18	84.65
		For Spring Activated Horizontal Mount Operation, Add	*61.83*	
		For Dynamic Damper, Add	*148.39*	
		For 3 Hour Rated, Add	*82.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.70*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	563.72	87.05
		For Spring Activated Horizontal Mount Operation, Add	*68.01*	
		For Dynamic Damper, Add	*163.23*	
		For 3 Hour Rated, Add	*90.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*75.57*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.24	94.12
		For Spring Activated Horizontal Mount Operation, Add	*72.13*	
		For Dynamic Damper, Add	*173.12*	
		For 3 Hour Rated, Add	*96.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.15*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.17	40.00
		For Spring Activated Horizontal Mount Operation, Add	*23.19*	
		For Dynamic Damper, Add	*55.65*	
		For 3 Hour Rated, Add	*30.92*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.76*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.40	42.40
		For Spring Activated Horizontal Mount Operation, Add	*25.25*	
		For Dynamic Damper, Add	*60.59*	
		For 3 Hour Rated, Add	*33.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.05*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.69	47.06
		For Spring Activated Horizontal Mount Operation, Add	*27.31*	
		For Dynamic Damper, Add	*65.54*	
		For 3 Hour Rated, Add	*36.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.34*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.12	51.72
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.57	56.53
		For Spring Activated Horizontal Mount Operation, Add	*30.15*	
		For Dynamic Damper, Add	*72.35*	
		For 3 Hour Rated, Add	*40.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.50*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.98	61.19
		For Spring Activated Horizontal Mount Operation, Add	*32.46*	
		For Dynamic Damper, Add	*77.91*	
		For 3 Hour Rated, Add	*43.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.07*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.87	65.85
		For Spring Activated Horizontal Mount Operation, Add	*35.55*	
		For Dynamic Damper, Add	*85.33*	
		For 3 Hour Rated, Add	*47.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.51*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.73	70.66
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.47	75.32
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.87*	
		For 3 Hour Rated, Add	*57.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.08	79.99
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.71*	
		For 3 Hour Rated, Add	*65.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.96*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.03	82.39
		For Spring Activated Horizontal Mount Operation, Add	*54.61*	
		For Dynamic Damper, Add	*131.07*	
		For 3 Hour Rated, Add	*72.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.89	84.65
		For Spring Activated Horizontal Mount Operation, Add	*61.31*	
		For Dynamic Damper, Add	*147.16*	
		For 3 Hour Rated, Add	*81.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.13*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.47	89.45
		For Spring Activated Horizontal Mount Operation, Add	*67.49*	
		For Dynamic Damper, Add	*161.98*	
		For 3 Hour Rated, Add	*89.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.99*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.24	94.12
		For Spring Activated Horizontal Mount Operation, Add	*72.13*	
		For Dynamic Damper, Add	*173.12*	
		For 3 Hour Rated, Add	*96.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.15*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.91	101.19
		For Spring Activated Horizontal Mount Operation, Add	*78.32*	
		For Dynamic Damper, Add	*187.96*	
		For 3 Hour Rated, Add	*104.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.02*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	688.94	105.85
		For Spring Activated Horizontal Mount Operation, Add	*83.47*	
		For Dynamic Damper, Add	*200.32*	
		For 3 Hour Rated, Add	*111.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.74*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.83	42.40
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.39	47.06
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.30*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.42	51.72
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.82	56.53
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.55	61.19
		For Spring Activated Horizontal Mount Operation, Add	*31.69*	
		For Dynamic Damper, Add	*76.05*	
		For 3 Hour Rated, Add	*42.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.21*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.28	65.85
		For Spring Activated Horizontal Mount Operation, Add	*34.52*	
		For Dynamic Damper, Add	*82.85*	
		For 3 Hour Rated, Add	*46.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.36*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.00	70.66
		For Spring Activated Horizontal Mount Operation, Add	*37.35*	
		For Dynamic Damper, Add	*89.65*	
		For 3 Hour Rated, Add	*49.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.51*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.72	75.32
		For Spring Activated Horizontal Mount Operation, Add	*40.19*	
		For Dynamic Damper, Add	*96.45*	
		For 3 Hour Rated, Add	*53.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.65*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.34	79.99
		For Spring Activated Horizontal Mount Operation, Add	*46.37*	
		For Dynamic Damper, Add	*111.29*	
		For 3 Hour Rated, Add	*61.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.89	82.39
		For Spring Activated Horizontal Mount Operation, Add	*52.56*	
		For Dynamic Damper, Add	*126.13*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.40*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.14	84.65
		For Spring Activated Horizontal Mount Operation, Add	*58.22*	
		For Dynamic Damper, Add	*139.73*	
		For 3 Hour Rated, Add	*77.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.69*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.33	89.45
		For Spring Activated Horizontal Mount Operation, Add	*65.43*	
		For Dynamic Damper, Add	*157.04*	
		For 3 Hour Rated, Add	*87.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.71*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.95	94.12
		For Spring Activated Horizontal Mount Operation, Add	*71.62*	
		For Dynamic Damper, Add	*171.88*	
		For 3 Hour Rated, Add	*95.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*79.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.85	98.78
		For Spring Activated Horizontal Mount Operation, Add	*78.32*	
		For Dynamic Damper, Add	*187.96*	
		For 3 Hour Rated, Add	*104.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.02*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	681.87	103.59
		For Spring Activated Horizontal Mount Operation, Add	*83.47*	
		For Dynamic Damper, Add	*200.32*	
		For 3 Hour Rated, Add	*111.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.74*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.78	108.25
		For Spring Activated Horizontal Mount Operation, Add	*90.17*	
		For Dynamic Damper, Add	*216.40*	
		For 3 Hour Rated, Add	*120.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.19*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	769.68	112.92
		For Spring Activated Horizontal Mount Operation, Add	*96.86*	
		For Dynamic Damper, Add	*232.48*	
		For 3 Hour Rated, Add	*129.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.63*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.82	47.06
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.42	51.72
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.12	56.53
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.53	61.19
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.42	65.85
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.28	70.66
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.29	75.32
		For Spring Activated Horizontal Mount Operation, Add	*39.42*	
		For Dynamic Damper, Add	*94.60*	
		For 3 Hour Rated, Add	*52.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.80*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.31	79.99
		For Spring Activated Horizontal Mount Operation, Add	*42.76*	
		For Dynamic Damper, Add	*102.63*	
		For 3 Hour Rated, Add	*57.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.52*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.14	82.39
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.71*	
		For 3 Hour Rated, Add	*65.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.96*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.69	84.65
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.55*	
		For 3 Hour Rated, Add	*74.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.83*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.60	89.45
		For Spring Activated Horizontal Mount Operation, Add	*62.35*	
		For Dynamic Damper, Add	*149.63*	
		For 3 Hour Rated, Add	*83.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.51	94.12
		For Spring Activated Horizontal Mount Operation, Add	*69.04*	
		For Dynamic Damper, Add	*165.70*	
		For 3 Hour Rated, Add	*92.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.72*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.53	98.78
		For Spring Activated Horizontal Mount Operation, Add	*74.19*	
		For Dynamic Damper, Add	*178.07*	
		For 3 Hour Rated, Add	*98.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.44*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.28	103.59
		For Spring Activated Horizontal Mount Operation, Add	*82.44*	
		For Dynamic Damper, Add	*197.85*	
		For 3 Hour Rated, Add	*109.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	723.49	108.25
		For Spring Activated Horizontal Mount Operation, Add	*89.65*	
		For Dynamic Damper, Add	*215.16*	
		For 3 Hour Rated, Add	*119.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.61*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	769.68	112.92
		For Spring Activated Horizontal Mount Operation, Add	*96.86*	
		For Dynamic Damper, Add	*232.48*	
		For 3 Hour Rated, Add	*129.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.63*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	811.27	117.72
		For Spring Activated Horizontal Mount Operation, Add	*103.04*	
		For Dynamic Damper, Add	*247.30*	
		For 3 Hour Rated, Add	*137.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.49*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	852.92	122.39
		For Spring Activated Horizontal Mount Operation, Add	*109.23*	
		For Dynamic Damper, Add	*262.16*	
		For 3 Hour Rated, Add	*145.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*121.37*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.41	15.68
		For Spring Activated Horizontal Mount Operation, Add	*14.93*	
		For Dynamic Damper, Add	*35.83*	
		For 3 Hour Rated, Add	*19.91*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.37	16.40
		For Spring Activated Horizontal Mount Operation, Add	*15.57*	
		For Dynamic Damper, Add	*37.36*	
		For 3 Hour Rated, Add	*20.76*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.53	16.54
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.53	16.54
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.81	16.96
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.17	18.80
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.55*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.81	16.96
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.34	17.95
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.55*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.04	18.80
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.10*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.97	21.20
		For Spring Activated Horizontal Mount Operation, Add	*19.44*	
		For Dynamic Damper, Add	*46.65*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.92	17.95
		For Spring Activated Horizontal Mount Operation, Add	*17.82*	
		For Dynamic Damper, Add	*42.78*	
		For 3 Hour Rated, Add	*23.77*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.04	18.80
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.10*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.74	19.79
		For Spring Activated Horizontal Mount Operation, Add	*19.44*	
		For Dynamic Damper, Add	*46.65*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.83	21.20
		For Spring Activated Horizontal Mount Operation, Add	*20.08*	
		For Dynamic Damper, Add	*48.19*	
		For 3 Hour Rated, Add	*26.77*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.06	23.60
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.06*	
		For 3 Hour Rated, Add	*28.92*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.17	18.80
		For Spring Activated Horizontal Mount Operation, Add	*26.24*	
		For Dynamic Damper, Add	*62.99*	
		For 3 Hour Rated, Add	*34.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.62	20.21
		For Spring Activated Horizontal Mount Operation, Add	*26.97*	
		For Dynamic Damper, Add	*64.72*	
		For 3 Hour Rated, Add	*35.96*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.49	22.19
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.46*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.91	23.60
		For Spring Activated Horizontal Mount Operation, Add	*28.41*	
		For Dynamic Damper, Add	*68.18*	
		For 3 Hour Rated, Add	*37.88*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.01	25.86
		For Spring Activated Horizontal Mount Operation, Add	*30.22*	
		For Dynamic Damper, Add	*72.52*	
		For 3 Hour Rated, Add	*40.29*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.10	28.27
		For Spring Activated Horizontal Mount Operation, Add	*32.02*	
		For Dynamic Damper, Add	*76.85*	
		For 3 Hour Rated, Add	*42.69*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.21	19.79
		For Spring Activated Horizontal Mount Operation, Add	*26.97*	
		For Dynamic Damper, Add	*64.72*	
		For 3 Hour Rated, Add	*35.96*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.25	21.20
		For Spring Activated Horizontal Mount Operation, Add	*28.05*	
		For Dynamic Damper, Add	*67.32*	
		For 3 Hour Rated, Add	*37.40*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.15	23.60
		For Spring Activated Horizontal Mount Operation, Add	*29.14*	
		For Dynamic Damper, Add	*69.92*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.22	25.86
		For Spring Activated Horizontal Mount Operation, Add	*30.94*	
		For Dynamic Damper, Add	*74.25*	
		For 3 Hour Rated, Add	*41.25*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.70	28.27
		For Spring Activated Horizontal Mount Operation, Add	*32.38*	
		For Dynamic Damper, Add	*77.71*	
		For 3 Hour Rated, Add	*43.17*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.79	30.53
		For Spring Activated Horizontal Mount Operation, Add	*34.18*	
		For Dynamic Damper, Add	*82.04*	
		For 3 Hour Rated, Add	*45.58*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.64	32.93
		For Spring Activated Horizontal Mount Operation, Add	*35.26*	
		For Dynamic Damper, Add	*84.63*	
		For 3 Hour Rated, Add	*47.02*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.66	21.20
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.46*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.12	23.60
		For Spring Activated Horizontal Mount Operation, Add	*29.13*	
		For Dynamic Damper, Add	*69.91*	
		For 3 Hour Rated, Add	*38.84*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.61	25.86
		For Spring Activated Horizontal Mount Operation, Add	*30.58*	
		For Dynamic Damper, Add	*73.38*	
		For 3 Hour Rated, Add	*40.77*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.53	28.27
		For Spring Activated Horizontal Mount Operation, Add	*33.47*	
		For Dynamic Damper, Add	*80.32*	
		For 3 Hour Rated, Add	*44.62*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.40	30.53
		For Spring Activated Horizontal Mount Operation, Add	*34.55*	
		For Dynamic Damper, Add	*82.91*	
		For 3 Hour Rated, Add	*46.06*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.25	32.93
		For Spring Activated Horizontal Mount Operation, Add	*35.62*	
		For Dynamic Damper, Add	*85.50*	
		For 3 Hour Rated, Add	*47.50*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.73	35.33
		For Spring Activated Horizontal Mount Operation, Add	*37.07*	
		For Dynamic Damper, Add	*88.96*	
		For 3 Hour Rated, Add	*49.42*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.20	37.60
		For Spring Activated Horizontal Mount Operation, Add	*38.51*	
		For Dynamic Damper, Add	*92.42*	
		For 3 Hour Rated, Add	*51.34*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.61	23.60
		For Spring Activated Horizontal Mount Operation, Add	*35.76*	
		For Dynamic Damper, Add	*85.83*	
		For 3 Hour Rated, Add	*47.69*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.30	25.86
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.03*	
		For 3 Hour Rated, Add	*50.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.79	28.27
		For Spring Activated Horizontal Mount Operation, Add	*39.38*	
		For Dynamic Damper, Add	*94.50*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.46	30.53
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.34	32.93
		For Spring Activated Horizontal Mount Operation, Add	*42.62*	
		For Dynamic Damper, Add	*102.29*	
		For 3 Hour Rated, Add	*56.83*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.20	35.33
		For Spring Activated Horizontal Mount Operation, Add	*43.70*	
		For Dynamic Damper, Add	*104.87*	
		For 3 Hour Rated, Add	*58.26*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.89	37.60
		For Spring Activated Horizontal Mount Operation, Add	*45.86*	
		For Dynamic Damper, Add	*110.07*	
		For 3 Hour Rated, Add	*61.15*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.63	42.40
		For Spring Activated Horizontal Mount Operation, Add	*48.02*	
		For Dynamic Damper, Add	*115.26*	
		For 3 Hour Rated, Add	*64.03*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.60	47.06
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.19*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.30	25.86
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.03*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.79	28.27
		For Spring Activated Horizontal Mount Operation, Add	*39.38*	
		For Dynamic Damper, Add	*94.50*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.46	30.53
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.93	32.93
		For Spring Activated Horizontal Mount Operation, Add	*42.98*	
		For Dynamic Damper, Add	*103.15*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.02	35.33
		For Spring Activated Horizontal Mount Operation, Add	*44.78*	
		For Dynamic Damper, Add	*107.48*	
		For 3 Hour Rated, Add	*59.71*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.08	37.60
		For Spring Activated Horizontal Mount Operation, Add	*46.58*	
		For Dynamic Damper, Add	*111.79*	
		For 3 Hour Rated, Add	*62.11*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.84	42.40
		For Spring Activated Horizontal Mount Operation, Add	*48.75*	
		For Dynamic Damper, Add	*116.99*	
		For 3 Hour Rated, Add	*65.00*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.60	47.06
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.19*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.89	49.47
		For Spring Activated Horizontal Mount Operation, Add	*55.24*	
		For Dynamic Damper, Add	*132.57*	
		For 3 Hour Rated, Add	*73.65*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.06	54.13
		For Spring Activated Horizontal Mount Operation, Add	*58.85*	
		For Dynamic Damper, Add	*141.23*	
		For 3 Hour Rated, Add	*78.46*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.39	28.27
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.65	30.53
		For Spring Activated Horizontal Mount Operation, Add	*42.25*	
		For Dynamic Damper, Add	*101.41*	
		For 3 Hour Rated, Add	*56.34*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.93	32.93
		For Spring Activated Horizontal Mount Operation, Add	*42.98*	
		For Dynamic Damper, Add	*103.15*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.39	35.33
		For Spring Activated Horizontal Mount Operation, Add	*44.42*	
		For Dynamic Damper, Add	*106.60*	
		For 3 Hour Rated, Add	*59.22*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.69	37.60
		For Spring Activated Horizontal Mount Operation, Add	*46.72*	
		For Dynamic Damper, Add	*112.12*	
		For 3 Hour Rated, Add	*62.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.84	42.40
		For Spring Activated Horizontal Mount Operation, Add	*48.75*	
		For Dynamic Damper, Add	*116.99*	
		For 3 Hour Rated, Add	*65.00*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.82	47.06
		For Spring Activated Horizontal Mount Operation, Add	*51.64*	
		For Dynamic Damper, Add	*123.93*	
		For 3 Hour Rated, Add	*68.85*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.78	51.72
		For Spring Activated Horizontal Mount Operation, Add	*54.52*	
		For Dynamic Damper, Add	*130.85*	
		For 3 Hour Rated, Add	*72.70*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.06	54.13
		For Spring Activated Horizontal Mount Operation, Add	*58.85*	
		For Dynamic Damper, Add	*141.23*	
		For 3 Hour Rated, Add	*78.46*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.81	57.94
		For Spring Activated Horizontal Mount Operation, Add	*63.90*	
		For Dynamic Damper, Add	*153.35*	
		For 3 Hour Rated, Add	*85.20*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.34	61.19
		For Spring Activated Horizontal Mount Operation, Add	*69.67*	
		For Dynamic Damper, Add	*167.20*	
		For 3 Hour Rated, Add	*92.89*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.57	30.53
		For Spring Activated Horizontal Mount Operation, Add	*47.41*	
		For Dynamic Damper, Add	*113.78*	
		For 3 Hour Rated, Add	*63.21*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.93	32.93
		For Spring Activated Horizontal Mount Operation, Add	*49.05*	
		For Dynamic Damper, Add	*117.73*	
		For 3 Hour Rated, Add	*65.40*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.32	35.33
		For Spring Activated Horizontal Mount Operation, Add	*50.70*	
		For Dynamic Damper, Add	*121.68*	
		For 3 Hour Rated, Add	*67.60*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.41	37.60
		For Spring Activated Horizontal Mount Operation, Add	*53.18*	
		For Dynamic Damper, Add	*127.63*	
		For 3 Hour Rated, Add	*70.91*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.05	42.40
		For Spring Activated Horizontal Mount Operation, Add	*54.42*	
		For Dynamic Damper, Add	*130.60*	
		For 3 Hour Rated, Add	*72.56*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.62	44.66
		For Spring Activated Horizontal Mount Operation, Add	*55.66*	
		For Dynamic Damper, Add	*133.57*	
		For 3 Hour Rated, Add	*74.21*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.14	51.72
		For Spring Activated Horizontal Mount Operation, Add	*59.78*	
		For Dynamic Damper, Add	*143.47*	
		For 3 Hour Rated, Add	*79.70*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.57	56.53
		For Spring Activated Horizontal Mount Operation, Add	*63.90*	
		For Dynamic Damper, Add	*153.35*	
		For 3 Hour Rated, Add	*85.19*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.21	58.37
		For Spring Activated Horizontal Mount Operation, Add	*68.84*	
		For Dynamic Damper, Add	*165.22*	
		For 3 Hour Rated, Add	*91.79*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.23	62.61
		For Spring Activated Horizontal Mount Operation, Add	*75.44*	
		For Dynamic Damper, Add	*181.05*	
		For 3 Hour Rated, Add	*100.58*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.75	65.85
		For Spring Activated Horizontal Mount Operation, Add	*81.20*	
		For Dynamic Damper, Add	*194.89*	
		For 3 Hour Rated, Add	*108.27*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.13	68.25
		For Spring Activated Horizontal Mount Operation, Add	*87.80*	
		For Dynamic Damper, Add	*210.72*	
		For 3 Hour Rated, Add	*117.07*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.54	35.33
		For Spring Activated Horizontal Mount Operation, Add	*54.14*	
		For Dynamic Damper, Add	*129.93*	
		For 3 Hour Rated, Add	*72.19*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.27	37.60
		For Spring Activated Horizontal Mount Operation, Add	*57.44*	
		For Dynamic Damper, Add	*137.85*	
		For 3 Hour Rated, Add	*76.58*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.00	40.00
		For Spring Activated Horizontal Mount Operation, Add	*58.26*	
		For Dynamic Damper, Add	*139.83*	
		For 3 Hour Rated, Add	*77.68*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.73	42.40
		For Spring Activated Horizontal Mount Operation, Add	*59.09*	
		For Dynamic Damper, Add	*141.81*	
		For 3 Hour Rated, Add	*78.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.71	44.66
		For Spring Activated Horizontal Mount Operation, Add	*61.98*	
		For Dynamic Damper, Add	*148.74*	
		For 3 Hour Rated, Add	*82.64*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.59	47.06
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.44	54.13
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.24	58.79
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.53	62.61
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.72	65.85
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.98	69.68
		For Spring Activated Horizontal Mount Operation, Add	*90.41*	
		For Dynamic Damper, Add	*216.98*	
		For 3 Hour Rated, Add	*120.55*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	656.96	71.51
		For Spring Activated Horizontal Mount Operation, Add	*99.48*	
		For Dynamic Damper, Add	*238.76*	
		For 3 Hour Rated, Add	*132.65*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.90	75.32
		For Spring Activated Horizontal Mount Operation, Add	*107.73*	
		For Dynamic Damper, Add	*258.55*	
		For 3 Hour Rated, Add	*143.64*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.95	35.33
		For Spring Activated Horizontal Mount Operation, Add	*55.79*	
		For Dynamic Damper, Add	*133.90*	
		For 3 Hour Rated, Add	*74.39*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.67	37.60
		For Spring Activated Horizontal Mount Operation, Add	*59.09*	
		For Dynamic Damper, Add	*141.81*	
		For 3 Hour Rated, Add	*78.78*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.75	40.00
		For Spring Activated Horizontal Mount Operation, Add	*61.57*	
		For Dynamic Damper, Add	*147.76*	
		For 3 Hour Rated, Add	*82.09*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.48	42.40
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.20	44.66
		For Spring Activated Horizontal Mount Operation, Add	*65.69*	
		For Dynamic Damper, Add	*157.65*	
		For 3 Hour Rated, Add	*87.58*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.92	47.06
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.51	56.53
		For Spring Activated Horizontal Mount Operation, Add	*73.11*	
		For Dynamic Damper, Add	*175.46*	
		For 3 Hour Rated, Add	*97.48*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.93	61.19
		For Spring Activated Horizontal Mount Operation, Add	*77.22*	
		For Dynamic Damper, Add	*185.34*	
		For 3 Hour Rated, Add	*102.97*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.72	65.85
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.82	70.66
		For Spring Activated Horizontal Mount Operation, Add	*92.89*	
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.56	75.32
		For Spring Activated Horizontal Mount Operation, Add	*101.13*	
		For Dynamic Damper, Add	*242.70*	
		For 3 Hour Rated, Add	*134.84*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.61	77.58
		For Spring Activated Horizontal Mount Operation, Add	*108.55*	
		For Dynamic Damper, Add	*260.51*	
		For 3 Hour Rated, Add	*144.73*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	755.67	79.99
		For Spring Activated Horizontal Mount Operation, Add	*115.97*	
		For Dynamic Damper, Add	*278.33*	
		For 3 Hour Rated, Add	*154.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	795.72	82.39
		For Spring Activated Horizontal Mount Operation, Add	*123.39*	
		For Dynamic Damper, Add	*296.14*	
		For 3 Hour Rated, Add	*164.52*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.00	37.60
		For Spring Activated Horizontal Mount Operation, Add	*58.26*	
		For Dynamic Damper, Add	*139.83*	
		For 3 Hour Rated, Add	*77.68*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.75	40.00
		For Spring Activated Horizontal Mount Operation, Add	*61.57*	
		For Dynamic Damper, Add	*147.76*	
		For 3 Hour Rated, Add	*82.09*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.48	42.40
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.59	47.06
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.38	51.72
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.17	56.53
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.28	61.19
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.38	65.85
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.23*	
		For 3 Hour Rated, Add	*108.46*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	606.50	70.66
		For Spring Activated Horizontal Mount Operation, Add	*88.77*	
		For Dynamic Damper, Add	*213.04*	
		For 3 Hour Rated, Add	*118.36*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.91	75.32
		For Spring Activated Horizontal Mount Operation, Add	*97.83*	
		For Dynamic Damper, Add	*234.79*	
		For 3 Hour Rated, Add	*130.44*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	700.99	77.58
		For Spring Activated Horizontal Mount Operation, Add	*105.26*	
		For Dynamic Damper, Add	*252.62*	
		For 3 Hour Rated, Add	*140.34*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	751.99	79.99
		For Spring Activated Horizontal Mount Operation, Add	*115.14*	
		For Dynamic Damper, Add	*276.34*	
		For 3 Hour Rated, Add	*153.52*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.13	84.65
		For Spring Activated Horizontal Mount Operation, Add	*122.57*	
		For Dynamic Damper, Add	*294.17*	
		For 3 Hour Rated, Add	*163.43*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.15	87.05
		For Spring Activated Horizontal Mount Operation, Add	*132.46*	
		For Dynamic Damper, Add	*317.90*	
		For 3 Hour Rated, Add	*176.61*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.67	94.12
		For Spring Activated Horizontal Mount Operation, Add	*139.05*	
		For Dynamic Damper, Add	*333.73*	
		For 3 Hour Rated, Add	*185.41*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.07	40.00
		For Spring Activated Horizontal Mount Operation, Add	*60.74*	
		For Dynamic Damper, Add	*145.77*	
		For 3 Hour Rated, Add	*80.99*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.80	42.40
		For Spring Activated Horizontal Mount Operation, Add	*64.04*	
		For Dynamic Damper, Add	*153.69*	
		For 3 Hour Rated, Add	*85.38*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.58	47.06
		For Spring Activated Horizontal Mount Operation, Add	*67.33*	
		For Dynamic Damper, Add	*161.60*	
		For 3 Hour Rated, Add	*89.78*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.38	51.72
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.03	56.53
		For Spring Activated Horizontal Mount Operation, Add	*71.87*	
		For Dynamic Damper, Add	*172.50*	
		For 3 Hour Rated, Add	*95.83*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.61	61.19
		For Spring Activated Horizontal Mount Operation, Add	*75.58*	
		For Dynamic Damper, Add	*181.39*	
		For 3 Hour Rated, Add	*100.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	555.74	65.85
		For Spring Activated Horizontal Mount Operation, Add	*80.53*	
		For Dynamic Damper, Add	*193.26*	
		For 3 Hour Rated, Add	*107.37*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.85	70.66
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.95	75.32
		For Spring Activated Horizontal Mount Operation, Add	*92.89*	
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.04	79.99
		For Spring Activated Horizontal Mount Operation, Add	*102.78*	
		For Dynamic Damper, Add	*246.67*	
		For 3 Hour Rated, Add	*137.04*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.73	82.39
		For Spring Activated Horizontal Mount Operation, Add	*111.02*	
		For Dynamic Damper, Add	*266.45*	
		For 3 Hour Rated, Add	*148.03*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	795.45	84.65
		For Spring Activated Horizontal Mount Operation, Add	*121.74*	
		For Dynamic Damper, Add	*292.18*	
		For 3 Hour Rated, Add	*162.32*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	853.52	89.45
		For Spring Activated Horizontal Mount Operation, Add	*131.63*	
		For Dynamic Damper, Add	*315.91*	
		For 3 Hour Rated, Add	*175.50*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.67	94.12
		For Spring Activated Horizontal Mount Operation, Add	*139.05*	
		For Dynamic Damper, Add	*333.73*	
		For 3 Hour Rated, Add	*185.41*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	965.81	101.19
		For Spring Activated Horizontal Mount Operation, Add	*148.94*	
		For Dynamic Damper, Add	*357.46*	
		For 3 Hour Rated, Add	*198.59*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,016.59	105.85
		For Spring Activated Horizontal Mount Operation, Add	*157.19*	
		For Dynamic Damper, Add	*377.25*	
		For 3 Hour Rated, Add	*209.59*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.48	42.40
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.91	47.06
		For Spring Activated Horizontal Mount Operation, Add	*66.51*	
		For Dynamic Damper, Add	*159.62*	
		For 3 Hour Rated, Add	*88.68*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.06	51.72
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.83	56.53
		For Spring Activated Horizontal Mount Operation, Add	*69.80*	
		For Dynamic Damper, Add	*167.53*	
		For 3 Hour Rated, Add	*93.07*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.13	61.19
		For Spring Activated Horizontal Mount Operation, Add	*74.34*	
		For Dynamic Damper, Add	*178.43*	
		For 3 Hour Rated, Add	*99.13*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.40	65.85
		For Spring Activated Horizontal Mount Operation, Add	*78.87*	
		For Dynamic Damper, Add	*189.30*	
		For 3 Hour Rated, Add	*105.17*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.69	70.66
		For Spring Activated Horizontal Mount Operation, Add	*83.41*	
		For Dynamic Damper, Add	*200.18*	
		For 3 Hour Rated, Add	*111.21*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.96	75.32
		For Spring Activated Horizontal Mount Operation, Add	*87.94*	
		For Dynamic Damper, Add	*211.06*	
		For 3 Hour Rated, Add	*117.26*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.05	79.99
		For Spring Activated Horizontal Mount Operation, Add	*97.83*	
		For Dynamic Damper, Add	*234.79*	
		For 3 Hour Rated, Add	*130.44*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.10	82.39
		For Spring Activated Horizontal Mount Operation, Add	*107.73*	
		For Dynamic Damper, Add	*258.55*	
		For 3 Hour Rated, Add	*143.64*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.46	84.65
		For Spring Activated Horizontal Mount Operation, Add	*116.79*	
		For Dynamic Damper, Add	*280.30*	
		For 3 Hour Rated, Add	*155.72*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.90	89.45
		For Spring Activated Horizontal Mount Operation, Add	*128.34*	
		For Dynamic Damper, Add	*308.01*	
		For 3 Hour Rated, Add	*171.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	896.99	94.12
		For Spring Activated Horizontal Mount Operation, Add	*138.23*	
		For Dynamic Damper, Add	*331.74*	
		For 3 Hour Rated, Add	*184.30*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.75	98.78
		For Spring Activated Horizontal Mount Operation, Add	*148.94*	
		For Dynamic Damper, Add	*357.46*	
		For 3 Hour Rated, Add	*198.59*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,009.52	103.59
		For Spring Activated Horizontal Mount Operation, Add	*157.19*	
		For Dynamic Damper, Add	*377.25*	
		For 3 Hour Rated, Add	*209.59*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,071.29	108.25
		For Spring Activated Horizontal Mount Operation, Add	*167.91*	
		For Dynamic Damper, Add	*402.98*	
		For 3 Hour Rated, Add	*223.88*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,133.05	112.92
		For Spring Activated Horizontal Mount Operation, Add	*178.62*	
		For Dynamic Damper, Add	*428.70*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.59	47.06
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.06	51.72
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.49	56.53
		For Spring Activated Horizontal Mount Operation, Add	*70.63*	
		For Dynamic Damper, Add	*169.51*	
		For 3 Hour Rated, Add	*94.17*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.29	61.19
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.42	65.85
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.51	70.66
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.23*	
		For 3 Hour Rated, Add	*108.46*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.46	75.32
		For Spring Activated Horizontal Mount Operation, Add	*86.70*	
		For Dynamic Damper, Add	*208.09*	
		For 3 Hour Rated, Add	*115.61*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	649.41	79.99
		For Spring Activated Horizontal Mount Operation, Add	*92.06*	
		For Dynamic Damper, Add	*220.95*	
		For 3 Hour Rated, Add	*122.75*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.10	82.39
		For Spring Activated Horizontal Mount Operation, Add	*102.78*	
		For Dynamic Damper, Add	*246.67*	
		For 3 Hour Rated, Add	*137.04*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	755.14	84.65
		For Spring Activated Horizontal Mount Operation, Add	*112.67*	
		For Dynamic Damper, Add	*270.41*	
		For 3 Hour Rated, Add	*150.23*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	816.92	89.45
		For Spring Activated Horizontal Mount Operation, Add	*123.39*	
		For Dynamic Damper, Add	*296.14*	
		For 3 Hour Rated, Add	*164.52*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.69	94.12
		For Spring Activated Horizontal Mount Operation, Add	*134.11*	
		For Dynamic Damper, Add	*321.86*	
		For 3 Hour Rated, Add	*178.81*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.45	98.78
		For Spring Activated Horizontal Mount Operation, Add	*142.35*	
		For Dynamic Damper, Add	*341.64*	
		For 3 Hour Rated, Add	*189.80*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,002.18	103.59
		For Spring Activated Horizontal Mount Operation, Add	*155.54*	
		For Dynamic Damper, Add	*373.29*	
		For 3 Hour Rated, Add	*207.38*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,067.61	108.25
		For Spring Activated Horizontal Mount Operation, Add	*167.08*	
		For Dynamic Damper, Add	*400.99*	
		For 3 Hour Rated, Add	*222.77*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,133.05	112.92
		For Spring Activated Horizontal Mount Operation, Add	*178.62*	
		For Dynamic Damper, Add	*428.70*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,191.11	117.72
		For Spring Activated Horizontal Mount Operation, Add	*188.51*	
		For Dynamic Damper, Add	*452.42*	
		For 3 Hour Rated, Add	*251.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,249.26	122.39
		For Spring Activated Horizontal Mount Operation, Add	*198.41*	
		For Dynamic Damper, Add	*476.18*	
		For 3 Hour Rated, Add	*264.55*	
23 33 13 16-0348		**Round 2 Hour Fire Damper** *(23 33 13 16)*		
23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	139.42	28.27
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	145.36	28.27
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	170.88	32.08
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	177.33	32.08
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	212.81	35.33
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	230.56	35.33
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	256.23	39.29
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	287.80	44.23
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	327.12	50.45
23 33 13 16-0358		**Round 4 Hour Fire Damper** *(23 33 13 16)*		
23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	157.08	32.08
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	173.26	32.08
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	196.07	35.33
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	216.94	35.33
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	245.71	39.29
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	258.43	39.29
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	288.20	44.23
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	319.04	50.45
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	372.22	58.94
23 33 13 19		**Smoke-Control Dampers** *(23 33 13)*		
23 33 13 19-0001		**Combination Smoke/Fire Damper** *(23 33 13 19)*		
		Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.04	23.53
		For Dynamic Damper, Add	*319.92*	
		For 3 Hour Rated, Add	*177.74*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.68	24.59
		For Dynamic Damper, Add	*327.73*	
		For 3 Hour Rated, Add	*182.07*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.75	24.80
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	657.09	24.80
		For Dynamic Damper, Add	*314.77*	
		For 3 Hour Rated, Add	*174.87*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.86	25.43
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	708.73	28.20
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.86	25.43
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.50	26.93
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	722.38	28.20
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.72	31.80
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.67	26.93
		For Dynamic Damper, Add	*333.24*	
		For 3 Hour Rated, Add	*185.13*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	722.38	28.20
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.36	29.68
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	760.46	31.80
		For Dynamic Damper, Add	*359.14*	
		For 3 Hour Rated, Add	*199.52*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.27	35.40
		For Dynamic Damper, Add	*377.61*	
		For 3 Hour Rated, Add	*209.78*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	788.45	28.20
		For Dynamic Damper, Add	*379.98*	
		For 3 Hour Rated, Add	*211.10*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.31	30.31
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.28	33.28
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	

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23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	835.02	35.40
		For Dynamic Damper, Add	*393.68*	
		For 3 Hour Rated, Add	*218.71*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.83	38.80
		For Dynamic Damper, Add	*405.13*	
		For 3 Hour Rated, Add	*225.07*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.58	42.40
		For Dynamic Damper, Add	*416.55*	
		For 3 Hour Rated, Add	*231.42*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.18	29.68
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.20	31.80
		For Dynamic Damper, Add	*391.40*	
		For 3 Hour Rated, Add	*217.44*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.57	35.40
		For Dynamic Damper, Add	*398.29*	
		For 3 Hour Rated, Add	*221.27*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	875.33	38.80
		For Dynamic Damper, Add	*409.72*	
		For 3 Hour Rated, Add	*227.62*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	902.80	42.40
		For Dynamic Damper, Add	*418.83*	
		For 3 Hour Rated, Add	*232.68*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	934.56	45.78
		For Dynamic Damper, Add	*430.26*	
		For 3 Hour Rated, Add	*239.03*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	957.87	49.40
		For Dynamic Damper, Add	*437.12*	
		For 3 Hour Rated, Add	*242.84*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	816.04	31.80
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.52	35.40
		For Dynamic Damper, Add	*398.27*	
		For 3 Hour Rated, Add	*221.26*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	871.05	38.80
		For Dynamic Damper, Add	*407.41*	
		For 3 Hour Rated, Add	*226.34*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	915.58	42.40
		For Dynamic Damper, Add	*425.73*	
		For 3 Hour Rated, Add	*236.52*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	938.83	45.78
		For Dynamic Damper, Add	*432.56*	
		For 3 Hour Rated, Add	*240.31*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	962.09	49.40
		For Dynamic Damper, Add	*439.40*	
		For 3 Hour Rated, Add	*244.11*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	989.63	53.00
		For Dynamic Damper, Add	*448.55*	
		For 3 Hour Rated, Add	*249.19*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,017.11	56.38
		For Dynamic Damper, Add	*457.66*	
		For 3 Hour Rated, Add	*254.26*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	835.71	35.40
		For Dynamic Damper, Add	*394.05*	
		For 3 Hour Rated, Add	*218.92*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	863.44	38.80
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.48	42.40
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.13	45.78
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.30	49.40
		For Dynamic Damper, Add	*423.31*	
		For 3 Hour Rated, Add	*235.17*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	951.42	53.00
		For Dynamic Damper, Add	*427.91*	
		For 3 Hour Rated, Add	*237.73*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	979.11	56.38
		For Dynamic Damper, Add	*437.14*	
		For 3 Hour Rated, Add	*242.86*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,017.39	63.59
		For Dynamic Damper, Add	*446.37*	
		For 3 Hour Rated, Add	*247.98*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,061.40	70.59
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	863.44	38.80
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.48	42.40
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.13	45.78
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	935.14	49.40
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	959.98	53.00
		For Dynamic Damper, Add	*432.53*	
		For 3 Hour Rated, Add	*240.30*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	984.79	56.38
		For Dynamic Damper, Add	*440.21*	
		For 3 Hour Rated, Add	*244.56*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,023.07	63.59
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,061.40	70.59
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,106.17	74.19
		For Dynamic Damper, Add	*477.14*	
		For 3 Hour Rated, Add	*265.08*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,155.87	81.19
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	902.53	42.40
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	918.82	45.78
		For Dynamic Damper, Add	*421.76*	
		For 3 Hour Rated, Add	*234.31*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	935.14	49.40
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	957.11	53.00
		For Dynamic Damper, Add	*430.98*	
		For 3 Hour Rated, Add	*239.44*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.85	56.38
		For Dynamic Damper, Add	*440.78*	
		For 3 Hour Rated, Add	*244.88*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,023.07	63.59
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,067.12	70.59
		For Dynamic Damper, Add	*461.78*	
		For 3 Hour Rated, Add	*256.54*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,111.13	77.58
		For Dynamic Damper, Add	*474.09*	
		For 3 Hour Rated, Add	*263.39*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,155.87	81.19
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,212.76	86.91
		For Dynamic Damper, Add	*514.09*	
		For 3 Hour Rated, Add	*285.61*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,273.15	91.79
		For Dynamic Damper, Add	*538.69*	
		For 3 Hour Rated, Add	*299.27*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	948.07	45.78
		For Dynamic Damper, Add	*437.55*	
		For 3 Hour Rated, Add	*243.08*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	971.02	49.40
		For Dynamic Damper, Add	*444.22*	
		For 3 Hour Rated, Add	*246.79*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	994.01	53.00
		For Dynamic Damper, Add	*450.91*	
		For 3 Hour Rated, Add	*250.51*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,023.21	56.38
		For Dynamic Damper, Add	*460.95*	
		For 3 Hour Rated, Add	*256.09*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,053.72	63.59
		For Dynamic Damper, Add	*465.99*	
		For 3 Hour Rated, Add	*258.88*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,073.61	66.98
		For Dynamic Damper, Add	*471.00*	
		For 3 Hour Rated, Add	*261.67*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,136.40	77.58
		For Dynamic Damper, Add	*487.74*	
		For 3 Hour Rated, Add	*270.97*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,188.52	84.79
		For Dynamic Damper, Add	*504.44*	
		For 3 Hour Rated, Add	*280.24*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,234.17	87.55
		For Dynamic Damper, Add	*524.51*	
		For 3 Hour Rated, Add	*291.39*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,302.81	93.91
		For Dynamic Damper, Add	*551.27*	
		For 3 Hour Rated, Add	*306.26*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,360.96	98.78
		For Dynamic Damper, Add	*574.66*	
		For 3 Hour Rated, Add	*319.25*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,421.11	102.39
		For Dynamic Damper, Add	*601.42*	
		For 3 Hour Rated, Add	*334.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,524.05	53.00
		For Dynamic Damper, Add	*742.86*	
		For 3 Hour Rated, Add	*412.70*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,567.86	56.38
		For Dynamic Damper, Add	*760.79*	
		For 3 Hour Rated, Add	*422.66*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,586.80	59.99
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,605.74	63.59
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,656.03	66.98
		For Dynamic Damper, Add	*785.51*	
		For 3 Hour Rated, Add	*436.40*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,695.77	70.59
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,760.83	81.19
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,815.24	88.18
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,882.15	93.91
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,988.38	98.78
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,055.19	104.51
		For Dynamic Damper, Add	*940.38*	
		For 3 Hour Rated, Add	*522.44*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,155.15	107.26
		For Dynamic Damper, Add	*989.79*	
		For 3 Hour Rated, Add	*549.88*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,255.27	112.99
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,551.28	53.00
		For Dynamic Damper, Add	*751.84*	
		For 3 Hour Rated, Add	*417.69*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,595.14	56.38
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,630.72	59.99
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,649.65	63.59
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,693.51	66.98
		For Dynamic Damper, Add	*805.75*	
		For 3 Hour Rated, Add	*447.64*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,737.32	70.59
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,821.33	84.79
		For Dynamic Damper, Add	*846.15*	
		For 3 Hour Rated, Add	*470.09*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,884.03	91.79
		For Dynamic Damper, Add	*868.56*	
		For 3 Hour Rated, Add	*482.54*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,988.38	98.78
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,084.39	105.99
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,188.69	112.99
		For Dynamic Damper, Add	*998.74*	
		For 3 Hour Rated, Add	*554.86*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,274.11	116.38
		For Dynamic Damper, Add	*1,039.14*	
		For 3 Hour Rated, Add	*577.30*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,359.57	119.98
		For Dynamic Damper, Add	*1,079.57*	
		For 3 Hour Rated, Add	*599.76*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,445.04	123.59
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,586.80	56.38
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,630.72	59.99
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,649.65	63.59
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,695.77	70.59
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,750.23	77.58
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,804.64	84.79
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,875.79	91.79
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,946.83	98.78
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,042.84	105.99
		For Dynamic Damper, Add	*931.43*	
		For 3 Hour Rated, Add	*517.46*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,155.43	112.99
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,240.95	116.38
		For Dynamic Damper, Add	*1,021.24*	
		For 3 Hour Rated, Add	*567.35*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,351.23	119.98
		For Dynamic Damper, Add	*1,075.06*	
		For 3 Hour Rated, Add	*597.26*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,447.30	126.98
		For Dynamic Damper, Add	*1,115.49*	
		For 3 Hour Rated, Add	*619.72*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,557.69	130.58
		For Dynamic Damper, Add	*1,169.38*	
		For 3 Hour Rated, Add	*649.66*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,655.95	141.18
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,622.38	59.99
		For Dynamic Damper, Add	*778.78*	
		For 3 Hour Rated, Add	*432.66*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,666.23	63.59
		For Dynamic Damper, Add	*796.74*	
		For 3 Hour Rated, Add	*442.64*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,720.69	70.59
		For Dynamic Damper, Add	*814.70*	
		For 3 Hour Rated, Add	*452.61*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,750.23	77.58
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,808.86	84.79
		For Dynamic Damper, Add	*839.42*	
		For 3 Hour Rated, Add	*466.34*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,867.45	91.79
		For Dynamic Damper, Add	*859.61*	
		For 3 Hour Rated, Add	*477.56*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,938.54	98.78
		For Dynamic Damper, Add	*886.55*	
		For 3 Hour Rated, Add	*492.53*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,009.57	105.99
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,105.59	112.99
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,226.58	119.98
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,320.23	123.59
		For Dynamic Damper, Add	*1,052.60*	
		For 3 Hour Rated, Add	*584.78*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,439.01	126.98
		For Dynamic Damper, Add	*1,111.02*	
		For 3 Hour Rated, Add	*617.23*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,559.90	134.19
		For Dynamic Damper, Add	*1,164.85*	
		For 3 Hour Rated, Add	*647.14*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,655.95	141.18
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,787.49	151.78
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,891.84	158.78
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,649.65	63.59
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,712.35	70.59
		For Dynamic Damper, Add	*810.20*	
		For 3 Hour Rated, Add	*450.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,758.52	77.58
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,788.01	84.79
		For Dynamic Damper, Add	*828.16*	
		For 3 Hour Rated, Add	*460.09*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,854.99	91.79
		For Dynamic Damper, Add	*852.88*	
		For 3 Hour Rated, Add	*473.82*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,921.91	98.78
		For Dynamic Damper, Add	*877.57*	
		For 3 Hour Rated, Add	*487.54*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,988.77	105.99
		For Dynamic Damper, Add	*902.23*	
		For 3 Hour Rated, Add	*501.24*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,055.69	112.99
		For Dynamic Damper, Add	*926.92*	
		For 3 Hour Rated, Add	*514.96*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,176.63	119.98
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,287.07	123.59
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,389.07	126.98
		For Dynamic Damper, Add	*1,084.05*	
		For 3 Hour Rated, Add	*602.25*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,526.68	134.19
		For Dynamic Damper, Add	*1,146.91*	
		For 3 Hour Rated, Add	*637.17*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,647.61	141.18
		For Dynamic Damper, Add	*1,200.77*	
		For 3 Hour Rated, Add	*667.10*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,776.89	148.18
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,881.24	155.39
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,010.52	162.38
		For Dynamic Damper, Add	*1,362.40*	
		For 3 Hour Rated, Add	*756.89*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,139.80	169.37
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,695.77	70.59
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,758.52	77.58
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,796.35	84.79
		For Dynamic Damper, Add	*832.66*	
		For 3 Hour Rated, Add	*462.59*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,825.84	91.79
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,896.99	98.78
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,968.02	105.99
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,043.23	112.99
		For Dynamic Damper, Add	*920.19*	
		For 3 Hour Rated, Add	*511.22*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,118.50	119.98
		For Dynamic Damper, Add	*949.39*	
		For 3 Hour Rated, Add	*527.44*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,237.18	123.59
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,347.51	126.98
		For Dynamic Damper, Add	*1,061.61*	
		For 3 Hour Rated, Add	*589.78*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,476.84	134.19
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,606.11	141.18
		For Dynamic Damper, Add	*1,178.36*	
		For 3 Hour Rated, Add	*654.65*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,710.41	148.18
		For Dynamic Damper, Add	*1,223.24*	
		For 3 Hour Rated, Add	*679.58*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,864.61	155.39
		For Dynamic Damper, Add	*1,295.06*	
		For 3 Hour Rated, Add	*719.48*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,002.23	162.38
		For Dynamic Damper, Add	*1,357.92*	
		For 3 Hour Rated, Add	*754.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,139.80	169.37
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,260.68	176.58
		For Dynamic Damper, Add	*1,474.59*	
		For 3 Hour Rated, Add	*819.22*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,381.76	183.57
		For Dynamic Damper, Add	*1,528.53*	
		For 3 Hour Rated, Add	*849.18*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.02	15.68
		For Dynamic Damper, Add	*51.28*	
		For 3 Hour Rated, Add	*28.49*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.52	16.40
		For Dynamic Damper, Add	*52.56*	
		For 3 Hour Rated, Add	*29.20*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.23	16.54
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.23	16.54
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.04	16.96
		For Dynamic Damper, Add	*55.17*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.49	18.80
		For Dynamic Damper, Add	*57.76*	
		For 3 Hour Rated, Add	*32.09*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.04	16.96
		For Dynamic Damper, Add	*55.17*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.66	17.95
		For Dynamic Damper, Add	*57.76*	
		For 3 Hour Rated, Add	*32.09*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.90	18.80
		For Dynamic Damper, Add	*59.06*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.36	21.20
		For Dynamic Damper, Add	*60.36*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.47	17.95
		For Dynamic Damper, Add	*57.12*	
		For 3 Hour Rated, Add	*31.73*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.90	18.80
		For Dynamic Damper, Add	*59.06*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.13	19.79
		For Dynamic Damper, Add	*60.36*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.78	21.20
		For Dynamic Damper, Add	*61.66*	
		For 3 Hour Rated, Add	*34.26*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.86	23.60
		For Dynamic Damper, Add	*64.91*	
		For 3 Hour Rated, Add	*36.06*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.46	18.80
		For Dynamic Damper, Add	*106.34*	
		For 3 Hour Rated, Add	*59.08*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.10	20.21
		For Dynamic Damper, Add	*107.64*	
		For 3 Hour Rated, Add	*59.80*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.16	22.19
		For Dynamic Damper, Add	*108.94*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.79	23.60
		For Dynamic Damper, Add	*110.23*	
		For 3 Hour Rated, Add	*61.24*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.89	25.86
		For Dynamic Damper, Add	*113.49*	
		For 3 Hour Rated, Add	*63.05*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.96	28.27
		For Dynamic Damper, Add	*116.73*	
		For 3 Hour Rated, Add	*64.85*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.69	19.79
		For Dynamic Damper, Add	*107.64*	
		For 3 Hour Rated, Add	*59.80*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.53	21.20
		For Dynamic Damper, Add	*109.59*	
		For 3 Hour Rated, Add	*60.88*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.22	23.60
		For Dynamic Damper, Add	*111.54*	
		For 3 Hour Rated, Add	*61.97*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.29	25.86
		For Dynamic Damper, Add	*114.79*	
		For 3 Hour Rated, Add	*63.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.15	28.27
		For Dynamic Damper, Add	*117.37*	
		For 3 Hour Rated, Add	*65.21*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.25	30.53
		For Dynamic Damper, Add	*120.63*	
		For 3 Hour Rated, Add	*67.02*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.92	32.93
		For Dynamic Damper, Add	*122.58*	
		For 3 Hour Rated, Add	*68.10*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.33	21.20
		For Dynamic Damper, Add	*108.94*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.20	23.60
		For Dynamic Damper, Add	*111.53*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.08	25.86
		For Dynamic Damper, Add	*114.13*	
		For 3 Hour Rated, Add	*63.41*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.78	28.27
		For Dynamic Damper, Add	*119.33*	
		For 3 Hour Rated, Add	*66.30*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.46	30.53
		For Dynamic Damper, Add	*121.28*	
		For 3 Hour Rated, Add	*67.38*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.12	32.93
		For Dynamic Damper, Add	*123.23*	
		For 3 Hour Rated, Add	*68.46*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.99	35.33
		For Dynamic Damper, Add	*125.82*	
		For 3 Hour Rated, Add	*69.90*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.86	37.60
		For Dynamic Damper, Add	*128.41*	
		For 3 Hour Rated, Add	*71.34*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.65	23.60
		For Dynamic Damper, Add	*150.65*	
		For 3 Hour Rated, Add	*83.70*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.94	25.86
		For Dynamic Damper, Add	*154.56*	
		For 3 Hour Rated, Add	*85.87*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.82	28.27
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.11	30.53
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.77	32.93
		For Dynamic Damper, Add	*163.00*	
		For 3 Hour Rated, Add	*90.56*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.43	35.33
		For Dynamic Damper, Add	*164.94*	
		For 3 Hour Rated, Add	*91.63*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.72	37.60
		For Dynamic Damper, Add	*168.84*	
		For 3 Hour Rated, Add	*93.80*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.06	42.40
		For Dynamic Damper, Add	*172.73*	
		For 3 Hour Rated, Add	*95.96*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.82	47.06
		For Dynamic Damper, Add	*177.93*	
		For 3 Hour Rated, Add	*98.85*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.94	25.86
		For Dynamic Damper, Add	*154.56*	
		For 3 Hour Rated, Add	*85.87*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.82	28.27
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.11	30.53
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.97	32.93
		For Dynamic Damper, Add	*163.65*	
		For 3 Hour Rated, Add	*90.92*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.04	35.33
		For Dynamic Damper, Add	*166.89*	
		For 3 Hour Rated, Add	*92.72*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.12	37.60
		For Dynamic Damper, Add	*170.13*	
		For 3 Hour Rated, Add	*94.52*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.46	42.40
		For Dynamic Damper, Add	*174.03*	
		For 3 Hour Rated, Add	*96.68*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.82	47.06
		For Dynamic Damper, Add	*177.93*	
		For 3 Hour Rated, Add	*98.85*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.31	49.47
		For Dynamic Damper, Add	*185.72*	
		For 3 Hour Rated, Add	*103.18*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.47	54.13
		For Dynamic Damper, Add	*192.21*	
		For 3 Hour Rated, Add	*106.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.04	28.27
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.49	30.53
		For Dynamic Damper, Add	*162.34*	
		For 3 Hour Rated, Add	*90.19*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.97	32.93
		For Dynamic Damper, Add	*163.65*	
		For 3 Hour Rated, Add	*90.92*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.83	35.33
		For Dynamic Damper, Add	*166.23*	
		For 3 Hour Rated, Add	*92.35*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.57	37.60
		For Dynamic Damper, Add	*170.38*	
		For 3 Hour Rated, Add	*94.65*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.46	42.40
		For Dynamic Damper, Add	*174.03*	
		For 3 Hour Rated, Add	*96.68*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.22	47.06
		For Dynamic Damper, Add	*179.23*	
		For 3 Hour Rated, Add	*99.57*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.99	51.72
		For Dynamic Damper, Add	*184.43*	
		For 3 Hour Rated, Add	*102.46*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.47	54.13
		For Dynamic Damper, Add	*192.21*	
		For 3 Hour Rated, Add	*106.79*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.61	57.94
		For Dynamic Damper, Add	*201.31*	
		For 3 Hour Rated, Add	*111.84*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.73	61.19
		For Dynamic Damper, Add	*211.69*	
		For 3 Hour Rated, Add	*117.61*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.44	30.53
		For Dynamic Damper, Add	*167.17*	
		For 3 Hour Rated, Add	*92.87*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.52	32.93
		For Dynamic Damper, Add	*169.88*	
		For 3 Hour Rated, Add	*94.38*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.62	35.33
		For Dynamic Damper, Add	*172.60*	
		For 3 Hour Rated, Add	*95.89*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.25	37.60
		For Dynamic Damper, Add	*176.68*	
		For 3 Hour Rated, Add	*98.16*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.18	42.40
		For Dynamic Damper, Add	*178.73*	
		For 3 Hour Rated, Add	*99.30*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.04	44.66
		For Dynamic Damper, Add	*180.78*	
		For 3 Hour Rated, Add	*100.43*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.83	51.72
		For Dynamic Damper, Add	*187.58*	
		For 3 Hour Rated, Add	*104.21*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.53	56.53
		For Dynamic Damper, Add	*194.37*	
		For 3 Hour Rated, Add	*107.98*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.31	58.37
		For Dynamic Damper, Add	*202.54*	
		For 3 Hour Rated, Add	*112.52*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.17	62.61
		For Dynamic Damper, Add	*213.41*	
		For 3 Hour Rated, Add	*118.56*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.69	65.85
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.90	68.25
		For Dynamic Damper, Add	*233.81*	
		For 3 Hour Rated, Add	*129.90*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.53	35.33
		For Dynamic Damper, Add	*196.89*	
		For 3 Hour Rated, Add	*109.38*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.67	37.60
		For Dynamic Damper, Add	*202.33*	
		For 3 Hour Rated, Add	*112.40*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.26	40.00
		For Dynamic Damper, Add	*203.69*	
		For 3 Hour Rated, Add	*113.16*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.85	42.40
		For Dynamic Damper, Add	*205.05*	
		For 3 Hour Rated, Add	*113.92*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.81	44.66
		For Dynamic Damper, Add	*209.82*	
		For 3 Hour Rated, Add	*116.57*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.70	47.06
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.97	54.13
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	

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23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.19	58.79
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.60	62.61
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.20	65.85
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.60	69.68
		For Dynamic Damper, Add	*256.74*	
		For 3 Hour Rated, Add	*142.63*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.97	71.51
		For Dynamic Damper, Add	*271.71*	
		For 3 Hour Rated, Add	*150.95*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.47	75.32
		For Dynamic Damper, Add	*285.31*	
		For 3 Hour Rated, Add	*158.51*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.65	35.33
		For Dynamic Damper, Add	*199.62*	
		For 3 Hour Rated, Add	*110.90*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.79	37.60
		For Dynamic Damper, Add	*205.05*	
		For 3 Hour Rated, Add	*113.92*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.43	40.00
		For Dynamic Damper, Add	*209.15*	
		For 3 Hour Rated, Add	*116.19*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	517.02	42.40
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	534.16	44.66
		For Dynamic Damper, Add	*215.95*	
		For 3 Hour Rated, Add	*119.97*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.29	47.06
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.17	56.53
		For Dynamic Damper, Add	*228.19*	
		For 3 Hour Rated, Add	*126.77*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.86	61.19
		For Dynamic Damper, Add	*234.98*	
		For 3 Hour Rated, Add	*130.55*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.20	65.85
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.00	70.66
		For Dynamic Damper, Add	*260.83*	
		For 3 Hour Rated, Add	*144.91*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	734.30	75.32
		For Dynamic Damper, Add	*274.42*	
		For 3 Hour Rated, Add	*152.46*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.04	77.58
		For Dynamic Damper, Add	*286.66*	
		For 3 Hour Rated, Add	*159.26*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	793.79	79.99
		For Dynamic Damper, Add	*298.91*	
		For 3 Hour Rated, Add	*166.06*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.53	82.39
		For Dynamic Damper, Add	*311.16*	
		For 3 Hour Rated, Add	*172.87*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.26	37.60
		For Dynamic Damper, Add	*203.69*	
		For 3 Hour Rated, Add	*113.16*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.43	40.00
		For Dynamic Damper, Add	*209.15*	
		For 3 Hour Rated, Add	*116.19*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	517.02	42.40
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.70	47.06
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.91	51.72
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.12	56.53
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.35	61.19
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.59	65.85
		For Dynamic Damper, Add	*241.78*	
		For 3 Hour Rated, Add	*134.32*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.40	70.66
		For Dynamic Damper, Add	*254.03*	
		For 3 Hour Rated, Add	*141.13*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	724.23	75.32
		For Dynamic Damper, Add	*268.98*	
		For 3 Hour Rated, Add	*149.44*	

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23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	753.99	77.58
		For Dynamic Damper, Add	*281.24*	
		For 3 Hour Rated, Add	*156.24*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.27	79.99
		For Dynamic Damper, Add	*297.55*	
		For 3 Hour Rated, Add	*165.31*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	828.08	84.65
		For Dynamic Damper, Add	*309.80*	
		For 3 Hour Rated, Add	*172.11*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.37	87.05
		For Dynamic Damper, Add	*326.12*	
		For 3 Hour Rated, Add	*181.18*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.72	94.12
		For Dynamic Damper, Add	*337.00*	
		For 3 Hour Rated, Add	*187.22*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.91	40.00
		For Dynamic Damper, Add	*207.79*	
		For 3 Hour Rated, Add	*115.44*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.05	42.40
		For Dynamic Damper, Add	*213.22*	
		For 3 Hour Rated, Add	*118.46*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.24	47.06
		For Dynamic Damper, Add	*218.66*	
		For 3 Hour Rated, Add	*121.48*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.91	51.72
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.38	56.53
		For Dynamic Damper, Add	*226.15*	
		For 3 Hour Rated, Add	*125.64*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	613.83	61.19
		For Dynamic Damper, Add	*232.26*	
		For 3 Hour Rated, Add	*129.04*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.08	65.85
		For Dynamic Damper, Add	*240.42*	
		For 3 Hour Rated, Add	*133.57*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.33	70.66
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	709.13	75.32
		For Dynamic Damper, Add	*260.83*	
		For 3 Hour Rated, Add	*144.91*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	753.48	79.99
		For Dynamic Damper, Add	*277.14*	
		For 3 Hour Rated, Add	*153.97*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	785.72	82.39
		For Dynamic Damper, Add	*290.74*	
		For 3 Hour Rated, Add	*161.52*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	825.55	84.65
		For Dynamic Damper, Add	*308.43*	
		For 3 Hour Rated, Add	*171.35*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	869.89	89.45
		For Dynamic Damper, Add	*324.75*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.72	94.12
		For Dynamic Damper, Add	*337.00*	
		For 3 Hour Rated, Add	*187.22*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.14	101.19
		For Dynamic Damper, Add	*353.32*	
		For 3 Hour Rated, Add	*196.29*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	997.47	105.85
		For Dynamic Damper, Add	*366.93*	
		For 3 Hour Rated, Add	*203.85*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	517.02	42.40
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.72	47.06
		For Dynamic Damper, Add	*217.30*	
		For 3 Hour Rated, Add	*120.72*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.43	51.72
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.06	56.53
		For Dynamic Damper, Add	*222.73*	
		For 3 Hour Rated, Add	*123.74*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.05	61.19
		For Dynamic Damper, Add	*230.22*	
		For 3 Hour Rated, Add	*127.90*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.04	65.85
		For Dynamic Damper, Add	*237.70*	
		For 3 Hour Rated, Add	*132.06*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	666.02	70.66
		For Dynamic Damper, Add	*245.18*	
		For 3 Hour Rated, Add	*136.21*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.00	75.32
		For Dynamic Damper, Add	*252.66*	
		For 3 Hour Rated, Add	*140.37*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.37	79.99
		For Dynamic Damper, Add	*268.98*	
		For 3 Hour Rated, Add	*149.44*	

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23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	775.67	82.39
		For Dynamic Damper, Add	*285.31*	
		For 3 Hour Rated, Add	*158.51*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	810.44	84.65
		For Dynamic Damper, Add	*300.27*	
		For 3 Hour Rated, Add	*166.82*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	859.84	89.45
		For Dynamic Damper, Add	*319.32*	
		For 3 Hour Rated, Add	*177.40*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.20	94.12
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	951.08	98.78
		For Dynamic Damper, Add	*353.32*	
		For 3 Hour Rated, Add	*196.29*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	990.40	103.59
		For Dynamic Damper, Add	*366.93*	
		For 3 Hour Rated, Add	*203.85*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,037.28	108.25
		For Dynamic Damper, Add	*384.61*	
		For 3 Hour Rated, Add	*213.67*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,084.16	112.92
		For Dynamic Damper, Add	*402.29*	
		For 3 Hour Rated, Add	*223.50*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.70	47.06
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.43	51.72
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.58	56.53
		For Dynamic Damper, Add	*224.09*	
		For 3 Hour Rated, Add	*124.50*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.24	61.19
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.49	65.85
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.72	70.66
		For Dynamic Damper, Add	*241.78*	
		For 3 Hour Rated, Add	*134.32*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	690.22	75.32
		For Dynamic Damper, Add	*250.62*	
		For 3 Hour Rated, Add	*139.23*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.73	79.99
		For Dynamic Damper, Add	*259.46*	
		For 3 Hour Rated, Add	*144.14*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	760.54	82.39
		For Dynamic Damper, Add	*277.14*	
		For 3 Hour Rated, Add	*153.97*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	797.83	84.65
		For Dynamic Damper, Add	*293.46*	
		For 3 Hour Rated, Add	*163.04*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	844.73	89.45
		For Dynamic Damper, Add	*311.16*	
		For 3 Hour Rated, Add	*172.87*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	891.61	94.12
		For Dynamic Damper, Add	*328.84*	
		For 3 Hour Rated, Add	*182.69*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	930.92	98.78
		For Dynamic Damper, Add	*342.44*	
		For 3 Hour Rated, Add	*190.24*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.34	103.59
		For Dynamic Damper, Add	*364.20*	
		For 3 Hour Rated, Add	*202.33*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,034.74	108.25
		For Dynamic Damper, Add	*383.24*	
		For 3 Hour Rated, Add	*212.91*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,084.16	112.92
		For Dynamic Damper, Add	*402.29*	
		For 3 Hour Rated, Add	*223.50*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,128.48	117.72
		For Dynamic Damper, Add	*418.60*	
		For 3 Hour Rated, Add	*232.55*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,172.88	122.39
		For Dynamic Damper, Add	*434.94*	
		For 3 Hour Rated, Add	*241.63*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	114.08	15.68
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	138.52	16.40
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	168.59	16.54
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	161.16	16.54
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	153.70	16.96
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	185.06	18.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	143.42	16.96
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	179.91	18.80
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	171.68	19.79
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	198.39	21.20
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	161.66	17.95
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	164.19	19.79
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	194.65	21.20
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	171.47	23.60
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	195.34	25.86
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	179.91	18.80
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	183.40	21.20
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	166.68	23.60
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	185.86	23.60
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	212.14	25.86
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	238.39	28.27
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	160.46	19.79
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	149.98	21.20
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	178.65	23.60
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	207.31	25.86
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	235.98	28.27
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	270.20	30.53
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	306.62	35.33
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	248.26	37.60
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	289.41	42.40
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	175.91	21.20
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	166.68	23.60
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	197.72	25.86
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	228.80	28.27
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	265.24	30.53
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	297.07	32.93
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	248.26	37.60
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	263.28	37.60
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	307.44	42.40
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	351.60	47.06
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	327.12	51.72
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	362.69	56.53
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	157.05	23.60
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	192.92	25.86
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	228.80	28.27
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	270.20	30.53
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	232.16	35.33
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	257.26	37.60
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	289.41	42.40
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	307.44	42.40
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	357.62	47.06
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	335.68	51.72
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	375.58	56.53
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	415.43	61.19
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	403.84	65.85
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	438.56	70.66
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	459.16	70.66
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	171.47	23.60
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	212.14	25.86
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	265.24	30.53
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	232.16	35.33
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	260.27	37.60
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	295.43	42.40
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	330.60	47.06
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	351.60	47.06
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	335.68	51.72
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	379.87	56.53
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	424.02	61.19
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	428.25	70.66
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	452.29	70.66
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	490.43	75.32
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	528.62	79.99
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	552.66	79.99
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	548.77	84.65
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	569.77	84.65
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	192.92	25.86
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	250.39	30.53
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	297.07	32.93
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	257.26	37.60
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	295.43	42.40
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	333.58	47.06
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	295.80	47.06
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	327.12	51.72
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	375.58	56.53
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	424.02	61.19
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	431.70	70.66
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	459.16	70.66
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	500.75	75.32
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	542.35	79.99
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	542.75	84.65
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	566.79	84.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	604.93	89.45
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	628.98	89.45
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	612.21	94.12
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	632.80	94.12
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	667.53	98.78
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	207.31	25.86
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	277.26	32.93
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	248.26	37.60
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	289.41	42.40
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	330.60	47.06
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	295.80	47.06
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	329.25	51.72
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	362.69	56.53
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	415.43	61.19
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	428.25	70.66
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	459.16	70.66
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	504.16	75.32
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	549.21	79.99
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	551.74	84.65
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	592.93	89.45
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	619.95	89.45
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	607.07	94.12
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	630.23	94.12
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	667.53	98.78
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	690.70	98.78
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	713.89	98.78
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	228.80	28.27
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	304.14	35.33
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	263.28	37.60
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	307.44	42.40
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	351.60	47.06
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	327.12	51.72
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	362.69	56.53
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	398.25	61.19
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	403.84	65.85
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	452.29	70.66
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	500.75	75.32
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	549.21	79.99
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	554.75	84.65
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	598.92	89.45
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	628.98	89.45
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	604.50	94.12
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	255.34	30.53
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	245.25	37.60
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	292.42	42.40
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	339.59	47.06
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	320.66	51.72
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	358.40	56.53
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	382.00	56.53
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	419.73	61.19
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	438.56	70.66
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	490.43	75.32
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	542.35	79.99
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	551.74	84.65
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	598.92	89.45
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	631.96	89.45
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	622.52	94.12
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	636.66	94.12
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	277.26	32.93
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	257.26	37.60
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	307.44	42.40
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	295.80	47.06
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	335.68	51.72
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	375.58	56.53
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	415.43	61.19
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	403.84	65.85
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	459.16	70.66
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	528.62	79.99
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	542.75	84.65
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	592.93	89.45
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	628.98	89.45
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	622.52	94.12
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	667.53	98.78
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	682.98	98.78
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	284.69	32.93
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	277.41	42.40
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	329.09	47.06
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	316.37	51.72
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	357.33	56.53
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	398.25	61.19
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	439.23	65.85
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	426.52	70.66
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	483.57	75.32
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	540.62	79.99
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	554.75	84.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	606.44	89.45
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	604.50	94.12
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	636.66	94.12
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	682.98	98.78
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	699.07	98.78
23 33 13 23-0183		Vertically Mounted Backdraft Damper *(23 33 13 23)*		
		Note: Galvanized steel frame, aluminum blades. Excludes motor pack.		
23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	124.24	15.68
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	152.09	16.40
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	156.68	16.54
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	163.83	16.54
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	179.53	16.96
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	199.48	18.80
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	200.97	16.96
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	228.06	18.80
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	230.89	19.79
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	242.27	21.20
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	194.76	17.95
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	205.66	19.79
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	220.33	21.20
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	227.40	23.60
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	244.90	25.86
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	239.38	18.80
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	251.68	21.20
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	220.38	23.60
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	220.38	23.60
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	244.05	25.86
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	251.12	28.27
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	234.00	19.79
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	238.23	21.20
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	257.77	23.60
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	277.31	25.86
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	284.38	28.27
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	291.45	30.53
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	309.75	35.33
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	306.54	37.60
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	336.15	42.40
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	272.55	21.20
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	287.37	23.60
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	294.43	25.86
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	316.95	28.27
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	324.02	30.53
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	331.08	32.93
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	356.85	37.60
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	360.71	37.60
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	374.84	42.40
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	396.71	47.06
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	426.34	51.72
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	440.47	56.53
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	349.28	23.60
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	356.34	25.86
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	363.41	28.27
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	370.48	30.53
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	396.21	35.33
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	422.62	37.60
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	436.75	42.40
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	436.75	42.40
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	388.97	47.06
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	368.72	51.72
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	382.85	56.53
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	407.13	61.19
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	426.34	65.85
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	440.47	70.66
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	440.47	70.66
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	314.39	23.60
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	321.45	25.86
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	335.59	30.53
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	354.80	35.33
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	366.95	37.60
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	381.08	42.40
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	395.21	47.06
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	415.52	47.06
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	429.66	51.72
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	443.79	56.53
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	462.99	61.19
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	496.34	70.66
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	496.34	70.66
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	533.32	75.32
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	500.69	79.99
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	500.69	79.99
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	514.82	84.65
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	525.66	84.65
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	351.17	25.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	365.31	30.53
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	376.72	32.93
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	399.52	37.60
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	431.01	42.40
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	445.14	47.06
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	445.14	47.06
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	467.97	51.72
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	482.10	56.53
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	496.22	61.19
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	524.49	70.66
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	537.53	70.66
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	560.34	75.32
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	587.49	79.99
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	601.62	84.65
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	601.62	84.65
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	620.07	89.45
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	635.28	89.45
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	617.98	94.12
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	617.98	94.12
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	646.09	98.78
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	429.00	25.86
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	458.20	32.93
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	472.34	37.60
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	486.47	42.40
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	524.55	47.06
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	524.55	47.06
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	538.69	51.72
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	560.81	56.53
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	578.91	61.19
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	611.16	70.66
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	611.16	70.66
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	657.24	75.32
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	671.38	79.99
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	685.51	84.65
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	707.63	89.45
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	715.62	89.45
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	729.76	94.12
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	731.74	94.12
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	775.80	98.78
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	775.80	98.78
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	775.80	98.78
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	583.78	28.27
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	608.96	35.33
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	616.03	37.60
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	638.16	42.40
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	611.29	47.06
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	625.43	51.72
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	668.02	56.53
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	682.14	61.19
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	710.54	65.85
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	724.67	70.66
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	738.80	75.32
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	752.94	79.99
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	788.42	84.65
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	816.78	89.45
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	816.78	89.45
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	852.30	94.12
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	661.51	30.53
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	689.83	37.60
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	725.31	42.40
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	739.44	47.06
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	778.50	51.72
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	796.20	56.53
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	796.20	56.53
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	826.34	61.19
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	788.75	70.66
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	809.27	75.32
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	855.45	79.99
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	869.58	84.65
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	896.53	89.45
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	902.96	89.45
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	917.10	94.12
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	923.49	94.12
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	739.76	32.93
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	779.54	37.60
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	800.07	42.40
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	833.45	47.06
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	847.59	51.72
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	874.54	56.53
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	888.66	61.19
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	915.59	65.85
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	852.82	70.66
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	906.73	79.99
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	937.95	84.65
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	952.08	89.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	952.08	89.45
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	971.92	94.12
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,008.84	98.78
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,008.84	98.78
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	816.66	32.93
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	856.34	42.40
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	893.26	47.06
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	907.40	51.72
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	938.61	56.53
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	958.44	61.19
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	883.21	65.85
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	897.34	70.66
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	943.85	75.32
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	957.99	79.99
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	972.12	84.65
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,016.15	89.45
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,030.29	94.12
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,045.25	94.12
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,075.58	98.78
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,104.24	98.78
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	308.98	40.06
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	519.01	40.06
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	49.45	9.87
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	311.46	36.46
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	347.82	41.55
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	446.87	55.11
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	616.66	63.59
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	691.26	76.31
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,029.26	96.66
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	429.84	36.46
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	488.51	41.55
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	544.83	55.11
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	763.32	63.59
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	853.15	76.31
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,315.64	96.66
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	431.97	57.82
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	519.61	66.28
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	675.34	76.15
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	822.27	86.02
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	760.10	86.02
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	973.59	90.26
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,076.05	95.89
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,181.35	101.53
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,551.75	115.64
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	966.29	95.89
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,306.63	115.64
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,320.30	155.13
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,567.89	163.58
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,867.24	176.27
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,220.37	191.79
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	482.49	126.92
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	582.02	146.66
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	758.34	169.22
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	923.47	190.38
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	852.79	190.38
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,097.19	201.66
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,208.79	211.53
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,322.52	222.81
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,746.55	253.84
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,084.07	211.53
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,468.01	253.84
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,601.15	334.21
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,903.69	362.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,226.19	384.98
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,631.54	423.06

23 33 19 00-0033 84" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	415.24	105.76
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	712.25	157.94
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	993.67	231.28
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	561.48	126.92
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	698.42	146.66
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	949.58	169.22
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,123.42	181.91
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,226.14	196.02
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,545.54	211.53
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,829.29	231.28
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,051.53	196.02
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,502.80	204.48
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,641.16	211.53
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,788.14	222.81
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,245.80	239.73
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,436.67	253.84

23 33 23 Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	14.68	3.52
		For Stainless Steel, Add	*8.84*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	14.02	1.41
		For Stainless Steel, Add	*13.31*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	57.57	5.29
		For Stainless Steel, Add	*61.15*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	71.51	5.64
		For Stainless Steel, Add	*77.35*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	97.73	5.92
		For Stainless Steel, Add	*108.31*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	123.98	6.35
		For Stainless Steel, Add	*139.26*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	137.39	6.77
		For Stainless Steel, Add	*154.72*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	175.55	6.35
		For Stainless Steel, Add	*201.16*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	215.71	7.48
		For Stainless Steel, Add	*247.57*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	231.61	7.81
		For Stainless Steel, Add	*266.21*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	258.61	8.12
		For Stainless Steel, Add	*298.15*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	109.00	19.74
		For Stainless Steel, Add	*51.92*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	115.24	19.74
		For Stainless Steel, Add	*62.84*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	118.28	19.74
		For Stainless Steel, Add	*68.16*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	152.55	23.97
		For Stainless Steel, Add	*96.11*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	153.79	23.97
		For Stainless Steel, Add	*98.28*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	191.55	32.44
		For Stainless Steel, Add	*113.10*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	228.25	39.49
		For Stainless Steel, Add	*121.80*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	296.99	53.59
		For Stainless Steel, Add	*149.56*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	17.72	4.23
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	18.17	3.80

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.04	1.41
		For R6.0 Insulated Flexible Duct, Deduct	*-1.02*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.19*	
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.09	2.82
		For R6.0 Insulated Flexible Duct, Deduct	*-1.08*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.26*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	12.43	2.82
		For R6.0 Insulated Flexible Duct, Deduct	*-1.10*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.29*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	14.41	2.82
		For R6.0 Insulated Flexible Duct, Deduct	*-1.24*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.44*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	16.85	4.23
		For R6.0 Insulated Flexible Duct, Deduct	*-1.25*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.46*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	21.80	4.23
		For R6.0 Insulated Flexible Duct, Deduct	*-1.68*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.96*	
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	29.22	5.64
		For R6.0 Insulated Flexible Duct, Deduct	*-2.00*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.33*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	36.33	5.64
		For R6.0 Insulated Flexible Duct, Deduct	*-2.44*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.84*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	47.36	7.05
		For R6.0 Insulated Flexible Duct, Deduct	*-2.91*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.40*	

23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	55.30	8.46
		For Stainless Steel, Add	*28.28*	
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	60.14	9.87
		For Stainless Steel, Add	*28.66*	
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	68.63	9.87
		For Stainless Steel, Add	*31.60*	
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	77.94	12.69
		For Stainless Steel, Add	*32.60*	
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	94.15	15.52
		For Stainless Steel, Add	*36.83*	
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	110.37	18.33
		For Stainless Steel, Add	*45.41*	
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	125.39	21.16
		For Stainless Steel, Add	*48.92*	
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	148.36	23.97
		For Stainless Steel, Add	*61.26*	
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	161.61	26.80
		For Stainless Steel, Add	*67.02*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.67	4.23
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.04	4.23
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	17.74	5.63
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	21.66	5.63
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	26.10	6.33
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.00	4.23
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.24	4.23
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	15.80	5.64
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.16	5.64
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	23.20	6.35

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.30	3.38
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.88	3.80
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.17	3.80
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	3.97	3.80
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.39	4.23
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.59	4.65
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.31	4.65

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	69.19	23.26
		For Stainless Steel, Add	*27.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	73.42	25.38
		For Stainless Steel, Add	*27.18*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	84.93	26.80
		For Stainless Steel, Add	*37.61*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	96.16	28.21
		For Stainless Steel, Add	*47.70*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	127.69	31.02
		For Stainless Steel, Add	*78.77*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	91.54	28.21
		For Stainless Steel, Add	*42.16*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	121.35	35.25
		For Stainless Steel, Add	*61.01*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	130.30	40.18
		For Stainless Steel, Add	*59.90*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	159.19	47.23
		For Stainless Steel, Add	*77.65*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	182.14	56.41
		For Stainless Steel, Add	*83.20*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	227.92	70.51
		For Stainless Steel, Add	*104.28*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,299.91	42.30
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,068.18	35.25
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,059.68	38.78

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,062.55	433.54
		For 1/4" Static Pressure, Add	*95.57*	
		For 3/8" Static Pressure, Add	*191.14*	
		For 1/2" Static Pressure, Add	*262.81*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,147.88	434.85
		For 1/4" Static Pressure, Add	*102.39*	
		For 3/8" Static Pressure, Add	*204.79*	
		For 1/2" Static Pressure, Add	*281.58*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,318.54	433.54
		For 1/4" Static Pressure, Add	*116.05*	
		For 3/8" Static Pressure, Add	*232.09*	
		For 1/2" Static Pressure, Add	*319.13*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,489.20	434.85
		For 1/4" Static Pressure, Add	*129.70*	
		For 3/8" Static Pressure, Add	*259.40*	
		For 1/2" Static Pressure, Add	*356.68*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,918.78	520.77
		For 1/4" Static Pressure, Add	*150.18*	
		For 3/8" Static Pressure, Add	*300.36*	
		For 1/2" Static Pressure, Add	*412.99*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,350.66	566.33
		For 1/4" Static Pressure, Add	*177.48*	
		For 3/8" Static Pressure, Add	*354.97*	
		For 1/2" Static Pressure, Add	*488.08*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,543.81	619.72
		For 1/4" Static Pressure, Add	*184.31*	
		For 3/8" Static Pressure, Add	*368.62*	
		For 1/2" Static Pressure, Add	*506.85*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	4,032.45	650.96
		For 1/4" Static Pressure, Add	*218.44*	
		For 3/8" Static Pressure, Add	*436.88*	
		For 1/2" Static Pressure, Add	*600.71*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,869.90	813.71
		For 1/4" Static Pressure, Add	*259.40*	
		For 3/8" Static Pressure, Add	*518.80*	
		For 1/2" Static Pressure, Add	*713.35*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,490.38	868.38
		For 1/4" Static Pressure, Add	*300.36*	
		For 3/8" Static Pressure, Add	*600.72*	
		For 1/2" Static Pressure, Add	*825.98*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,440.06	1,001.18
		For 1/4" Static Pressure, Add	*354.97*	
		For 3/8" Static Pressure, Add	*709.94*	
		For 1/2" Static Pressure, Add	*976.16*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,957.55	420.52
		For 1/4" Static Pressure, Add	*89.41*	
		For 3/8" Static Pressure, Add	*178.82*	
		For 1/2" Static Pressure, Add	*245.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,073.78	434.85
		For 1/4" Static Pressure, Add	*96.47*	
		For 3/8" Static Pressure, Add	*192.93*	
		For 1/2" Static Pressure, Add	*265.28*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,142.92	449.16
		For 1/4" Static Pressure, Add	*99.60*	
		For 3/8" Static Pressure, Add	*199.21*	
		For 1/2" Static Pressure, Add	*273.91*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,266.49	464.78
		For 1/4" Static Pressure, Add	*106.92*	
		For 3/8" Static Pressure, Add	*213.85*	
		For 1/2" Static Pressure, Add	*294.04*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,549.28	483.01
		For 1/4" Static Pressure, Add	*126.79*	
		For 3/8" Static Pressure, Add	*253.58*	
		For 1/2" Static Pressure, Add	*348.68*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,687.68	501.24
		For 1/4" Static Pressure, Add	*134.90*	
		For 3/8" Static Pressure, Add	*269.79*	
		For 1/2" Static Pressure, Add	*370.96*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	3,002.24	520.77
		For 1/4" Static Pressure, Add	*156.86*	
		For 3/8" Static Pressure, Add	*313.71*	
		For 1/2" Static Pressure, Add	*431.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,375.99	520.77
		For 1/4" Static Pressure, Add	*186.89*	
		For 3/8" Static Pressure, Add	*373.78*	
		For 1/2" Static Pressure, Add	*513.94*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,907.80	566.33
		For 1/4" Static Pressure, Add	*222.21*	
		For 3/8" Static Pressure, Add	*444.42*	
		For 1/2" Static Pressure, Add	*611.08*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,635.38	686.11
		For 1/4" Static Pressure, Add	*261.43*	
		For 3/8" Static Pressure, Add	*522.85*	
		For 1/2" Static Pressure, Add	*718.92*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,266.85	686.11
		For 1/4" Static Pressure, Add	*311.48*	
		For 3/8" Static Pressure, Add	*622.96*	
		For 1/2" Static Pressure, Add	*856.57*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,793.98	723.87
		For 1/4" Static Pressure, Add	*347.79*	
		For 3/8" Static Pressure, Add	*695.58*	
		For 1/2" Static Pressure, Add	*956.43*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,325.20	765.53
		For 1/4" Static Pressure, Add	*383.77*	
		For 3/8" Static Pressure, Add	*767.54*	
		For 1/2" Static Pressure, Add	*1,055.37*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,225.34	1,001.18
		For 1/4" Static Pressure, Add	*418.28*	
		For 3/8" Static Pressure, Add	*836.56*	
		For 1/2" Static Pressure, Add	*1,150.27*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,226.44	1,002.48
		For 1/4" Static Pressure, Add	*498.37*	
		For 3/8" Static Pressure, Add	*996.74*	
		For 1/2" Static Pressure, Add	*1,370.52*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,299.63	1,183.19
		For 1/4" Static Pressure, Add	*555.29*	
		For 3/8" Static Pressure, Add	*1,110.57*	
		For 1/2" Static Pressure, Add	*1,527.04*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,381.07	286.03
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,965.83	296.84
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,023.77	236.56
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,113.20	324.18
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,166.54	343.71
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,236.30	358.03
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,307.72	381.46

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,262.68	312.46
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,304.41	324.18
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,381.59	343.71
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,427.15	358.03
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,511.04	381.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,593.62	399.69
23 34 16 00-0019		**15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,280.55	324.18
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,333.89	343.71
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,403.29	358.03
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,463.32	381.46
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,537.95	399.69
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,642.99	429.64
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,724.97	451.76
23 34 16 00-0027		**16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,608.24	343.71
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,702.43	358.03
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,807.79	381.46
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,863.90	399.69
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,938.50	429.64
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,001.97	451.76
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,332.42	490.83
23 34 16 00-0035		**18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,695.54	358.03
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,761.52	381.46
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,848.10	399.69
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,917.36	429.64
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,011.26	451.76
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,153.50	490.83
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,246.30	520.77
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,385.52	572.84
23 34 16 00-0044		**20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,725.75	381.46
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,812.29	399.69
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,917.36	429.64
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,011.26	451.76
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,189.28	490.83
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,435.44	520.77
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,611.49	572.84
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,792.78	613.21
23 34 16 00-0053		**22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,269.56	399.69
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,333.22	429.64
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,418.81	451.76
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,527.25	490.83
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,668.74	520.77
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,720.82	572.84
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,816.63	613.21
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,987.86	687.42
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,927.29	429.64
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,060.05	490.83
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,188.64	520.77
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,327.19	572.84
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,448.83	613.21
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,560.43	687.42
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,710.63	747.30
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,059.37	859.27
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,349.23	451.76
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,486.86	520.77
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,625.39	572.84
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,747.05	613.21
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,918.28	687.42
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,068.12	747.30
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,442.21	859.27
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,502.25	954.31
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,086.63	572.84
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,203.59	613.21
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,385.48	687.42
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,547.24	747.30
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,789.00	859.27
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,005.23	954.31
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,366.13	1,145.69
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,698.60	1,321.46
23 34 16 00-0090		33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,132.74	613.21
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,363.61	687.42
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,573.46	747.30
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,862.57	859.27
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,126.52	954.31
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,535.11	1,145.69
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,987.34	1,321.46
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,641.63	1,718.55
23 34 16 00-0099		36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,616.51	687.42
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,833.50	747.30
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,516.24	859.27
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,978.21	954.31
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,554.09	1,145.69
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,998.81	1,321.46
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,934.82	1,718.55
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,728.29	2,148.17
23 34 16 00-0108		Kitchen System Fans *(23 34 16 00-0001)*		
23 34 16 00-0109		Upblast Kitchen Exhaust Fans *(23 34 16 00-0108)*		
23 34 16 00-0110		Direct Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*		
		Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,453.91	169.25
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*180.19*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,704.98	169.25
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*180.19*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0113		Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*		
		Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,498.09	169.25
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*99.92*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*183.57*	
		For Backdraft Damper, Add	*180.19*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,607.05	169.25
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*104.28*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*192.83*	
		For Backdraft Damper, Add	*180.19*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,238.54	195.29
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*89.54*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*157.08*	
		For Backdraft Damper, Add	*204.58*	
		For Damper Motor, Add	*293.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,395.44	195.29
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*95.82*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*170.41*	
		For Backdraft Damper, Add	*204.58*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,044.56	227.84
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*121.78*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*220.06*	
		For Backdraft Damper, Add	*204.58*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,212.36	227.84
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*128.49*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*234.32*	
		For Backdraft Damper, Add	*204.58*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,499.87	244.11
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*139.99*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*255.99*	
		For Backdraft Damper, Add	*255.84*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,761.38	244.11
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*150.46*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*278.22*	
		For Backdraft Damper, Add	*255.84*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,824.44	260.38
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*152.98*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*280.81*	
		For Backdraft Damper, Add	*255.84*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,192.72	260.38
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*167.71*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*312.12*	
		For Backdraft Damper, Add	*255.84*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,828.77	292.93
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*193.15*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*360.65*	
		For Backdraft Damper, Add	*277.25*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,166.55	292.93
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*206.66*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*389.36*	
		For Backdraft Damper, Add	*277.25*	
		For Damper Motor, Add	*293.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,122.93	325.48
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*244.92*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*465.12*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,234.07	325.48
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*249.36*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*474.56*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,798.48	325.48
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*271.94*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*522.54*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,070.88	325.48
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*282.84*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*545.69*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,785.71	358.03
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*311.43*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*600.92*	
		For Damper Motor, Add	*293.61*	
		For Backdraft Damper, Add	*362.25*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,098.97	358.03
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*323.96*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*627.55*	
		For Damper Motor, Add	*293.61*	
		For Backdraft Damper, Add	*362.25*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,172.85	390.58
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*628.30*	
		For Damper Motor, Add	*293.61*	
		For Backdraft Damper, Add	*421.09*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,860.60	390.58
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*686.76*	
		For Damper Motor, Add	*293.61*	
		For Backdraft Damper, Add	*421.09*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,685.67	169.25
		For Extended Weatherhood, Add	*286.67*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,770.96	169.25
		For Extended Weatherhood, Add	*299.46*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,875.63	169.25
		For Extended Weatherhood, Add	*315.16*	

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,916.23	169.25
		For Extended Weatherhood, Add	*321.25*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,149.74	227.84
		For Extended Weatherhood, Add	*368.03*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,591.01	260.38
		For Extended Weatherhood, Add	*440.73*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,004.50	325.48
		For Extended Weatherhood, Add	*515.77*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,635.84	390.58
		For Extended Weatherhood, Add	*623.49*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	1,128.87	514.80
23 34 16 00-0148	EA	Fan Belt, Replacement	179.41	69.82
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,549.88	234.80
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,118.17	282.05
		For Explosion Proof Motor, Add	*983.11*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,443.66	352.56
		For Explosion Proof Motor, Add	*1,160.78*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,074.08	470.30
		For Explosion Proof Motor, Add	*1,220.01*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,412.21	705.10
		For Explosion Proof Motor, Add	*1,350.30*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	17,981.67	1,410.21
		For Explosion Proof Motor, Add	*2,274.19*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	26,220.85	2,015.89
		For Explosion Proof Motor, Add	*3,328.37*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,549.88	234.80
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,723.34	282.05
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,864.36	352.56
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,099.96	470.30
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,780.49	705.10
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,133.04	881.38
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,387.42	1,008.58
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,643.52	1,057.66
		For Explosion Proof Motor, Add	*1,279.23*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,957.51	1,175.12
		For Explosion Proof Motor, Add	*1,291.08*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,738.98	169.25
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,221.22	182.27
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,435.56	195.29
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,544.48	195.29
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,924.56	227.84
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,288.08	227.84
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,597.13	227.84
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,504.75	260.38
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	4,028.13	260.38
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	5,125.73	325.48
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	5,414.65	325.48
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,618.32	325.48
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,498.17	390.58
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,741.26	390.58
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	7,040.00	390.58
		For Totally Enclosed Motor, Add	*85.00*	

23 34 16 00-0186 In-Line Cabinet Fans *(23 34 16 00-0001)*

23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	556.41	113.92
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	556.41	113.92
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	631.48	120.43
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	697.58	120.43
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	878.14	120.43
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	727.09	120.43
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	830.85	120.43
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,563.22	120.43
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	976.09	126.94
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	992.37	126.94
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,627.11	126.94
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	992.37	126.94
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,333.12	126.94
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,333.12	126.94
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,333.12	126.94
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,447.05	126.94

23 34 16 00-0203 Propeller And Ceiling Fans *(23 34 16)*

23 34 16 00-0204 Direct Drive, Sidewall Propeller Exhaust Fan *(23 34 16 00-0203)*

Note: Greenheck SE1.

23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	776.35	139.31
		For Backdraft Damper, Add	*209.04*	
		For Wall Mount Collar, Add	*298.25*	
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	822.85	154.92
		For Backdraft Damper, Add	*224.47*	
		For Wall Mount Collar, Add	*298.25*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	911.18	171.85
		For Backdraft Damper, Add	*245.87*	
		For Wall Mount Collar, Add	*306.08*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,328.11	190.08
		For Backdraft Damper, Add	*294.14*	
		For Wall Mount Collar, Add	*311.74*	
		For Motor Side Guard, Add	*257.03*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,120.18	210.91
		For Backdraft Damper, Add	*294.14*	
		For Wall Mount Collar, Add	*319.58*	
		For Motor Side Guard, Add	*273.57*	
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,257.65	234.35
		For Backdraft Damper, Add	*357.35*	
		For Wall Mount Collar, Add	*327.40*	
		For Motor Side Guard, Add	*290.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,431.59	260.38
		For Backdraft Damper, Add	*357.35*	
		For Wall Mount Collar, Add	*333.06*	
		For Motor Side Guard, Add	*313.21*	
23 34 16 00-0212		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0203)*		
		Note: Wall shutter 1/8" static pressure, with bird screen.		
23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,643.00	372.35
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	3,027.99	433.54
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,438.42	520.77
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,778.44	650.96
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,711.79	868.38
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,945.41	1,301.93
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,549.91	1,669.07
23 34 16 00-0220		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0203)*		
23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	136.28	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	313.01	
23 34 16 00-0223		**Reversible Ceiling Fans** *(23 34 16 00-0203)*		
23 34 16 00-0224		**4 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	656.95	79.34
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.32*	
23 34 16 00-0226		**5 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	717.35	196.34
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.40*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	817.69	196.34
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.56*	
23 34 16 00-0229		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	639.18	64.45
23 34 16 00-0231		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0232		**Exhaust Fans** *(23 34 16 00-0231)*		
		Note: Excludes ducting.		
23 34 16 00-0233		**Light Duty Exhaust Fans** *(23 34 16 00-0232)*		
23 34 16 00-0234		**Light Duty Exhaust Fans** *(23 34 16 00-0233)*		
23 34 16 00-0235	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	183.31	64.11
23 34 16 00-0236	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	192.52	64.11
23 34 16 00-0237	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	302.98	64.11
23 34 16 00-0238	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	376.85	64.11
23 34 16 00-0239	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	339.35	64.11
23 34 16 00-0240	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	444.24	64.11
23 34 16 00-0241		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0233)*		
23 34 16 00-0242	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	232.53	64.11
23 34 16 00-0243	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	255.58	64.11
23 34 16 00-0244	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	458.32	64.11
23 34 16 00-0245		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0233)*		
23 34 16 00-0246	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	237.52	64.11
23 34 16 00-0247	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	363.93	64.11
23 34 16 00-0248		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0233)*		
23 34 16 00-0249	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	385.84	64.11
23 34 16 00-0250	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	573.99	64.11
23 34 16 00-0251		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0232)*		
23 34 16 00-0252		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0251)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0253	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	272.33	64.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0254	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	298.75	64.11
23 34 16 00-0255	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	527.42	64.11
23 34 16 00-0256	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	539.67	64.11
23 34 16 00-0257	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	577.78	64.11
23 34 16 00-0258	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	602.13	64.11
23 34 16 00-0259	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	611.56	64.11
23 34 16 00-0260	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	696.63	64.11
23 34 16 00-0261	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	790.46	64.11
23 34 16 00-0262	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	843.90	64.11
23 34 16 00-0263	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	1,000.03	64.11
23 34 16 00-0264	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,278.15	64.11
23 34 16 00-0265		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0251)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0266	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	546.80	64.11
23 34 16 00-0267	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	783.44	64.11
23 34 16 00-0268	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	827.27	64.11
23 34 16 00-0269		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0251)*		
23 34 16 00-0270	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	293.97	64.11
23 34 16 00-0271	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	318.78	64.11
23 34 16 00-0272		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0273	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	304.86	64.11
23 34 16 00-0274	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	321.29	64.11
23 34 16 00-0275	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	329.22	64.11
23 34 16 00-0276		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0232)*		
23 34 16 00-0277	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,370.40	64.11
23 34 16 00-0278	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,370.40	64.11
23 34 16 00-0279	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,370.40	64.11
23 34 16 00-0280	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,501.62	64.11
23 34 16 00-0281		**Room-To-Room Exhaust Fans** *(23 34 16 00-0232)*		
23 34 16 00-0282	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	226.32	64.11
23 34 16 00-0283	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	360.49	64.11
23 34 16 00-0284	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	409.38	64.11
23 34 16 00-0285		**Through-Wall Exhaust Fans** *(23 34 16 00-0232)*		
23 34 16 00-0286	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	383.82	64.11
23 34 16 00-0287	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	451.21	64.11
23 34 16 00-0288	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	337.49	64.11
23 34 16 00-0289	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	444.24	64.11
23 34 16 00-0290	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	760.25	64.11
23 34 16 00-0291		**Exhaust Fan Accessories** *(23 34 16 00-0232)*		
23 34 16 00-0292		**Exhaust Fan Controls** *(23 34 16 00-0291)*		
23 34 16 00-0293	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	212.59	40.06
23 34 16 00-0294	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	152.99	40.06
23 34 16 00-0295	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	154.40	40.06
23 34 16 00-0296		**Roof And Wall Caps For Exhaust Fans** *(23 34 16 00-0291)*		
23 34 16 00-0297		**Wall Caps For Exhaust Fans** *(23 34 16 00-0296)*		
23 34 16 00-0298	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	325.42	70.66
23 34 16 00-0299	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	330.12	70.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0300		Roof Caps For Exhaust Fans *(23 34 16 00-0296)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0301	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	277.00	70.66
23 34 16 00-0302	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	398.85	70.66
23 34 16 00-0303	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	183.33	70.66
23 34 16 00-0304	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	219.88	70.66
23 34 16 00-0305		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0232)*		
		Note: Includes storage and cleaning.		
23 34 16 00-0306	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	97.64	

23 34 23 HVAC Power Ventilators *(23 34)*

23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	679.08	186.17
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*238.51*	
		For Backdraft Damper, Add	*167.75*	
		For Solid State Speed Control, Add	*123.72*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	742.23	210.91
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*238.51*	
		For Backdraft Damper, Add	*167.75*	
		For Solid State Speed Control, Add	*123.72*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,050.91	246.07
		For 12" Roof Curb, Add	*245.05*	
		For Backdraft Damper, Add	*180.19*	
		For Solid State Speed Control, Add	*123.72*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,084.76	277.31
		For 12" Roof Curb, Add	*245.05*	
		For Backdraft Damper, Add	*180.19*	
		For Solid State Speed Control, Add	*123.72*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,388.11	305.95
		For Solid State Speed Control, Add	*123.72*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,574.55	325.48
		For 12" Roof Curb, Add	*255.94*	
		For Backdraft Damper, Add	*204.58*	
		For Solid State Speed Control, Add	*191.28*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0009		Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,573.72	331.45
		For 12" Roof Curb, Add	*245.05*	
		For Backdraft Damper, Add	*180.19*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,714.56	351.87
		For 12" Roof Curb, Add	*255.94*	
		For Backdraft Damper, Add	*204.58*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,311.64	420.52
		For 12" Roof Curb, Add	*255.94*	
		For Backdraft Damper, Add	*204.58*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,945.99	520.77
		For 12" Roof Curb, Add	*308.24*	
		For Backdraft Damper, Add	*255.84*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,879.73	650.96
		For 12" Roof Curb, Add	*332.22*	
		For Backdraft Damper, Add	*277.25*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,249.49	813.71
		For 12" Roof Curb, Add	*369.26*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,301.79	813.71
		For 12" Roof Curb, Add	*369.26*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,866.21	813.71
		For 12" Roof Curb, Add	*369.26*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,578.47	813.71
		For 12" Roof Curb, Add	*369.26*	
		For Backdraft Damper, Add	*307.60*	
		For Damper Motor, Add	*293.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)* Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,947.56	1,001.18
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,650.73	1,301.53
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,539.86	519.85
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,782.33	650.84
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	168.00	
23 34 23 00-0027		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0028		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0027)*		
23 34 23 00-0029		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0028)* Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	899.61	209.61
		For Solid State Speed Control, Add	*191.28*	
		For Backdraft Damper, Add	*232.42*	
		For Damper Motor, Add	*503.64*	
		For Interior Wall Grill, Add	*143.71*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,033.41	246.07
		For Solid State Speed Control, Add	*191.28*	
		For Backdraft Damper, Add	*256.81*	
		For Damper Motor, Add	*503.64*	
		For Interior Wall Grill, Add	*171.15*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,524.20	277.31
		For Solid State Speed Control, Add	*191.28*	
		For Backdraft Damper, Add	*290.15*	
		For Damper Motor, Add	*503.64*	
		For Interior Wall Grill, Add	*198.60*	
23 34 23 00-0033		**Belt Drive, Aluminum, Centrifugal Sidewall Exhausters** *(23 34 23 00-0028)* Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,699.29	156.53
		For Solid State Speed Control, Add	*191.28*	
		For Backdraft Damper, Add	*268.52*	
		For Damper Motor, Add	*503.64*	
		For Interior Wall Grill, Add	*302.32*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,852.10	176.27
		For Solid State Speed Control, Add	*191.28*	
		For Backdraft Damper, Add	*268.52*	
		For Damper Motor, Add	*503.64*	
		For Interior Wall Grill, Add	*302.32*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,502.14	201.66
		For Solid State Speed Control, Add	*191.28*	
		For Backdraft Damper, Add	*336.91*	
		For Damper Motor, Add	*503.64*	
		For Interior Wall Grill, Add	*351.56*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		**Unheated Air Curtains For Entrances** *(23 34 33)*		
23 34 33 00-0002		**Unheated Air Curtains, Standard Velocity** *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,690.91	954.31
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,727.51	954.31
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	2,767.15	954.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	3,422.86	954.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	3,889.07	1,145.69
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	4,117.80	1,145.69
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,567.84	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	5,481.26	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,597.15	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	5,905.18	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	3,297.82	954.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	3,345.09	954.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,364.91	954.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,403.04	954.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	5,279.78	1,145.69
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,514.61	1,145.69
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	5,877.73	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,690.50	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,775.90	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	7,108.33	1,321.46
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0024 Service Window Unheated Air Curtains *(23 34 33 00-0001)*

Note: Normal window sizes.

23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,366.87	752.51
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0026 Heated Air Curtains For Entrances *(23 34 33)*

Note: Includes housing, mounting brackets and manual controls.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,489.95	840.39
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,864.45	840.39
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,387.11	1,008.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,836.51	1,008.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	7,181.70	1,344.24
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,780.90	1,344.24
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,751.51	1,637.83
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	9,481.78	1,637.83
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	10,996.23	2,057.70
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	12,812.55	2,057.70
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	12,567.97	2,351.93
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	14,643.32	2,351.93
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	14,358.96	2,687.83
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	16,730.79	2,687.83
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 16 Engine Exhaust Systems *(23 35)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Tailpipe Exhaust Equipment *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust System *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,906.55	277.31
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,544.75	566.33
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,315.60	686.11
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,420.28	566.33
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,716.76	686.11
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,671.48	1,085.81
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,947.62	1,400.87
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,770.72	1,669.07
23 35 16 16-0014		Spiral Exhaust Duct Accessories *(23 35 16 16-0002)*		
23 35 16 16-0015		Flex Hose x Length *(23 35 16 16-0014)* Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	201.89	69.00
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	172.28	69.00
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	309.57	109.36
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	260.09	109.36
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	438.74	173.15
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	421.03	173.15
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	670.16	274.70
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	632.92	274.70
23 35 16 16-0024		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0014)*		
23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	225.50	69.00
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	326.81	109.36
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	191.40	69.00
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	276.21	109.36
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,786.23	92.96
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,559.43	170.55
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,719.78	170.55
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	82.65	13.28
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	92.50	13.28
23 35 16 16-0034		Flexible Hose *(23 35 16 16-0014)*		
23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing	27.95	3.25
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing	35.11	3.64
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing	41.29	3.78
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing	48.34	4.04
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	21.79	3.25
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	25.50	3.64
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	29.09	3.78
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	32.36	4.04
23 35 16 16-0043		Accessories *(23 35 16 16-0002)*		
23 35 16 16-0044	EA	3" Tail Pipe Adapter	68.47	9.76
23 35 16 16-0045	EA	4" Tail Pipe Adapter	70.43	9.76
23 35 16 16-0046	EA	5" Tail Pipe Adapter	74.99	11.06
23 35 16 16-0047	EA	3" Bullnose (Guide)	38.03	6.51
23 35 16 16-0048	EA	4" Bullnose (Guide)	40.42	7.16
23 35 16 16-0049	EA	5" Bullnose (Guide)	43.14	7.81
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	279.37	73.82
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	
23 35 19		**Fume Exhaust Systems** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,788.77	520.38
23 35 19 00-0002	EA	Hose Extension Kit 5'	466.33	115.61
23 36		**Air Terminal Units** *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,936.07	198.34
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,321.89	213.59
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,475.24	221.21
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,643.85	236.47
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,975.88	244.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,651.95	198.34
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,966.58	213.59
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,337.98	225.03
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,567.76	53.59
		For Boxes With Motor, Add	*271.25*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,735.22	57.82
		For Boxes With Motor, Add	*300.89*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,802.76	63.46
		For Boxes With Motor, Add	*309.78*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,835.56	66.28
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,862.92	73.33
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,130.55	81.79
		For Boxes With Motor, Add	*360.18*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,235.48	91.67
		For Boxes With Motor, Add	*373.52*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,372.60	110.00
		For Boxes With Motor, Add	*386.99*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,508.67	126.92
		For Boxes With Motor, Add	*400.20*	
23 36 13 00-0022		Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,205.78	53.59
		For Boxes With Motor, Add	*398.85*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,359.65	57.82
		For Boxes With Motor, Add	*425.78*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,462.67	63.46
		For Boxes With Motor, Add	*441.77*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,565.80	66.28
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,593.16	73.33
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,980.24	83.20
		For Boxes With Motor, Add	*530.12*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,258.08	91.67
		For Boxes With Motor, Add	*578.08*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,508.97	110.00
		For Boxes With Motor, Add	*614.26*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,663.13	126.92
		For Boxes With Motor, Add	*631.09*	
23 36 16		**Variable-Air-Volume Units** *(23 36)*		
23 36 16 00-0001		Variable Volume Terminal Unit *(23 36 16)*		
		Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	681.48	64.87
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	762.56	73.33
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	848.85	81.79
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	905.88	91.67
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	1,249.71	197.29
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,507.03	234.09
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,426.90	64.87
		For Fan Powered Variable Air Volume Box, Add	*1,508.49*	
		For Hot Water Coils, Add	*474.68*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,542.96	73.33
		For Fan Powered Variable Air Volume Box, Add	*1,615.64*	
		For Hot Water Coils, Add	*507.41*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,615.79	81.79
		For Fan Powered Variable Air Volume Box, Add	*1,666.04*	
		For Hot Water Coils, Add	*521.60*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,686.27	91.67
		For Fan Powered Variable Air Volume Box, Add	*1,713.14*	
		For Hot Water Coils, Add	*534.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,957.45	197.29
		For Fan Powered Variable Air Volume Box, Add	*1,922.78*	
		For Hot Water Coils, Add	*595.80*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,273.97	234.09
		For Fan Powered Variable Air Volume Box, Add	*2,085.54*	
		For Hot Water Coils, Add	*636.18*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,355.30	64.87
		For Hot Water Coils, Add	*851.14*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,449.83	73.33
		For Hot Water Coils, Add	*875.15*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,536.12	81.79
		For Hot Water Coils, Add	*894.79*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,657.73	91.67
		For Hot Water Coils, Add	*928.62*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,931.60	197.29
		For Hot Water Coils, Add	*990.82*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,985.42	197.29
		For Hot Water Coils, Add	*1,012.64*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,615.39	128.19
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,766.53	145.96
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,891.16	164.85
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	2,073.97	183.89
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,331.57	211.53
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,560.77	253.84
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0030		**Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)** *(23 36 16 00-0001)*		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	667.85	88.14
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	725.17	96.95
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	784.03	105.76
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	844.56	114.58
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	906.86	123.40
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	971.04	132.20
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,042.45	141.02
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,111.19	149.83
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,182.28	158.65
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,255.87	167.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,332.15	176.27
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,411.28	185.09
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,493.51	193.90
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,571.90	202.72
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,660.44	211.53
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	140.07	18.33
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*151.97*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	155.08	18.33
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	155.08	18.33
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	186.34	22.56
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	186.34	21.16
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	213.86	21.16
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*284.24*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	245.72	28.21
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*305.62*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	284.99	29.61
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*381.62*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	322.92	33.85
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*424.40*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	145.08	18.33
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*163.24*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	164.59	18.33
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	164.59	18.33
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	197.60	21.16
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	197.60	22.56
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	254.45	28.21
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*324.20*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	227.93	28.21
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*264.53*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	284.44	33.85
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*339.39*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	328.48	38.08
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*422.15*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	358.70	74.60
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*471.11*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	234.91	18.33
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*365.36*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	243.24	18.33
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*384.10*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	274.89	22.56
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*421.56*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	295.71	21.16
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*468.41*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	422.12	25.38
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*721.33*	
23 37 13 13-0029	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	468.42	28.21
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0030	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	540.99	28.21
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*957.62*	
23 37 13 13-0031	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	645.05	32.44
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0032	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	725.75	33.85
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,332.34*	
23 37 13 13-0033	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	866.38	38.08
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,613.39*	

23 37 13 13-0034 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0035	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	247.40	18.33
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*393.46*	
23 37 13 13-0036	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	268.91	18.33
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*441.86*	
23 37 13 13-0037	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	304.96	22.56
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*489.22*	
23 37 13 13-0038	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	329.02	22.56
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*543.35*	
23 37 13 13-0039	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	476.25	25.38
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*843.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0040	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	536.43	28.21
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*958.66*	
23 37 13 13-0041	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	621.95	29.61
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,139.78*	
23 37 13 13-0042	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	702.42	32.44
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,294.88*	
23 37 13 13-0043	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	850.66	33.85
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0044	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,024.13	38.08
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*1,968.32*	
23 37 13 13-0045	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,134.32	79.40
		For Stainless Steel, Add	*2,195.26*	

23 37 13 13-0046 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0047	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	189.69	21.16
		For Stainless Steel, Add	*236.41*	
23 37 13 13-0048	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	203.98	21.16
		For Stainless Steel, Add	*268.56*	
23 37 13 13-0049	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	221.55	21.16
		For Stainless Steel, Add	*308.09*	
23 37 13 13-0050	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	238.67	21.16
		For Stainless Steel, Add	*346.61*	

23 37 13 13-0051 Drum Louver Diffusers, Drop Box *(23 37 13 13)*

23 37 13 13-0052 Drum Louver Diffusers, Four Way Drop Box *(23 37 13 13-0051)*

23 37 13 13-0053	EA	20" Square x 11-1/2" Depth, 16" Square Top Opening, 1,000 To 2,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 12" x 6" aluminum drum louvers and duct cap on bottom.	1,316.77	123.82
23 37 13 13-0054	EA	26" Square x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 18" x 6" aluminum drum louvers and duct cap on bottom.	1,431.45	142.01
23 37 13 13-0055	EA	32" Square x 11-1/2" Depth, 26" Square Top Opening, 2,400 To 4,400 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 24" x 6" aluminum drum louvers and duct cap on bottom.	1,639.41	172.61
23 37 13 13-0056	EA	30" Square x 15" Depth, 22" Square Top Opening, 3,400 To 6,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 20" x 10" aluminum drum louvers and duct cap on bottom.	1,735.99	193.20
23 37 13 13-0057	EA	35" Square x 15" Depth, 27" Square Top Opening, 4,000 To 7,600 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 25" x 10" aluminum drum louvers and duct cap on bottom.	1,851.64	209.84
23 37 13 13-0058	EA	40" Square x 15" Depth, 32" Square Top Opening, 5,000 To 9,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 10" aluminum drum louvers and duct cap on bottom.	2,220.90	235.36
23 37 13 13-0059	EA	40" Square x 17" Depth, 32" Square Top Opening, 6,000 To 11,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 12" aluminum drum louvers and duct cap on bottom.	2,512.33	261.03
23 37 13 13-0060	EA	47" Square x 17" Depth, 37" Square Top Opening, 7,000 To 13,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 12" aluminum drum louvers and duct cap on bottom.	2,953.26	316.17
23 37 13 13-0061	EA	47" Square x 20" Depth, 37" Square Top Opening, 8,700 To 16,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 15" aluminum drum louvers and duct cap on bottom.	3,082.22	317.30
23 37 13 13-0062	EA	52" Square x 20" Depth, 42" Square Top Opening, 10,000 To 18,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 40" x 15" aluminum drum louvers and duct cap on bottom.	3,543.26	347.47
23 37 13 13-0063	EA	62" Square x 20" Depth, 50" Square Top Opening, 12,500 To 23,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 50" x 15" aluminum drum louvers and duct cap on bottom.	4,432.33	385.55

23 37 13 13-0064 Drum Louver Diffusers, Six Way Drop Box *(23 37 13 13-0051)*

23 37 13 13-0065	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,000 To 2,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 9" x 6" aluminum drum louvers and duct cap on bottom.	2,084.31	157.24
23 37 13 13-0066	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 12" x 6" aluminum drum louvers and duct cap on bottom.	2,223.74	185.87
23 37 13 13-0067	EA	53.25" x 46.12" x 11" Depth, 24" Square Top Opening, 2,700 To 5,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 18" x 6" aluminum drum louvers and duct cap on bottom.	2,485.85	212.94
23 37 13 13-0068	EA	57.25" x 49.58" x 15" Depth, 28" Square Top Opening, 5,000 To 9,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 20" x 10" aluminum drum louvers and duct cap on bottom.	3,123.75	289.79
23 37 13 13-0069	EA	67.25" x 58.25" x 15" Depth, 33" Square Top Opening, 6,200 To 11,400 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 25" x 10" aluminum drum louvers and duct cap on bottom.	3,592.30	314.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0070	EA	77.25" x 66.90" x 15" Depth, 38" Square Top Opening, 7,500 To 13,500 CFM, Six Way, Galvanized Drum Louver Drop Box	4,458.41	353.11
		Note: Includes 2" thick R-8 insulation and six 30" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0071	EA	77.25" x 66.90" x 20" Depth, 38" Square Top Opening, 11,250 To 18,750 CFM, Six Way, Galvanized Drum Louver Drop Box	5,739.79	430.67
		Note: Includes 2" thick R-8 insulation and six 30" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0072	EA	87.25" x 75.56" x 20" Depth, 40" Square Top Opening, 13,100 To 24,000 CFM, Six Way, Galvanized Drum Louver Drop Box	6,662.79	475.94
		Note: Includes 2" thick R-8 insulation and six 35" x 15" aluminum drum louvers and duct cap on bottom.		

23 37 13 13-0073 Wall And Floor Diffusers *(23 37 13 13)*

23 37 13 13-0074 Slot Type Linear Diffusers *(23 37 13 13-0073)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

23 37 13 13-0075	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	64.32	7.05
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*41.64*	
23 37 13 13-0076	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	78.68	8.46
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*55.51*	
23 37 13 13-0077	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	109.54	9.87
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*87.43*	
23 37 13 13-0078	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	144.97	9.87
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*124.91*	
23 37 13 13-0079	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	181.90	11.28
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*162.38*	
23 37 13 13-0080	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	213.15	14.10
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*191.52*	

23 37 13 13-0081 Linear Bar Grilles And Registers *(23 37 13 13-0073)*

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 13-0082	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	200.12	8.46
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*201.24*	
23 37 13 13-0083	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	239.07	9.87
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*242.87*	
23 37 13 13-0084	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	260.62	9.87
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*263.69*	
23 37 13 13-0085	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	319.55	14.10
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0086	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	441.99	18.33
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*444.11*	
23 37 13 13-0087	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	509.67	21.16
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*506.57*	

23 37 13 13-0088 Return/Exhaust Registers And Grilles *(23 37 13 13)*

23 37 13 13-0089 Return/Exhaust Registers With Frame *(23 37 13 13-0088)*

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 13-0090	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	136.87	11.28
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*209.48*	
23 37 13 13-0091	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	157.11	11.28
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*255.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0092	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	176.25	12.69
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0093	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	184.51	14.10
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0094	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	176.42	14.10
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*264.13*	
23 37 13 13-0095	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	226.35	18.33
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*346.10*	
23 37 13 13-0096	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	271.19	21.16
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*413.24*	
23 37 13 13-0097	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	332.25	25.38
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*519.12*	
23 37 13 13-0098	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	389.76	28.21
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*628.65*	
23 37 13 13-0099	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	349.08	28.21
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*525.83*	
23 37 13 13-0100	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	398.72	28.21
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*637.52*	
23 37 13 13-0101	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	420.60	32.44
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*660.78*	
23 37 13 13-0102	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	445.71	33.85
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*702.25*	
23 37 13 13-0103	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	513.61	38.08
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*819.65*	
23 37 13 13-0104	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	575.55	45.13
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*887.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0105	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	746.95	45.13
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,272.69*	
23 37 13 13-0106	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	621.15	49.35
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*958.25*	
23 37 13 13-0107	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	604.87	47.94
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*921.62*	
23 37 13 13-0108	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	688.56	53.59
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,073.32*	
23 37 13 13-0109	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	932.82	57.82
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,579.64*	
23 37 13 13-0110	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	414.20	32.58
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*639.11*	
23 37 13 13-0111	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	714.14	48.81
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,167.48*	
23 37 13 13-0112	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	827.01	57.82
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,339.67*	

23 37 13 13-0113 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0088)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0114	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	126.35	11.28
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0115	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	126.35	11.28
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0116	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	155.21	12.69
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*234.99*	
23 37 13 13-0117	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	178.04	15.52
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*267.77*	
23 37 13 13-0118	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	175.61	14.10
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*262.31*	
23 37 13 13-0119	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	227.97	18.33
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*349.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0120	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	368.45	22.56
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*632.07*	
23 37 13 13-0121	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	443.98	25.38
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*770.51*	
23 37 13 13-0122	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	501.39	28.21
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*879.82*	
23 37 13 13-0123	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	416.54	28.21
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*677.61*	
23 37 13 13-0124	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	562.27	29.61
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,005.50*	
23 37 13 13-0125	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	656.38	32.44
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,191.29*	
23 37 13 13-0126	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	502.77	33.85
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*830.63*	
23 37 13 13-0127	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	693.36	38.08
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,224.09*	
23 37 13 13-0128	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	834.64	45.13
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,469.99*	
23 37 13 13-0129	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	957.29	45.13
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,745.96*	
23 37 13 13-0130	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	649.43	47.94
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,021.88*	
23 37 13 13-0131	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	882.59	47.94
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,546.49*	
23 37 13 13-0132	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,022.73	53.59
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*1,825.20*	
23 37 13 13-0133	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,196.18	57.82
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,172.20*	
23 37 13 13-0134	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,264.19	57.82
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,325.22*	

23 37 13 13-0135 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0088)*

23 37 13 13-0136	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	65.59	13.80
23 37 13 13-0137	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	65.59	13.80
23 37 13 13-0138	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	71.02	13.80
23 37 13 13-0139	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.20	13.80
23 37 13 13-0140	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	71.02	13.80
23 37 13 13-0141	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.20	13.80
23 37 13 13-0142	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.38	18.10
23 37 13 13-0143	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.56	18.10
23 37 13 13-0144	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.21	18.10
23 37 13 13-0145	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.56	18.10
23 37 13 13-0146	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.73	18.10
23 37 13 13-0147	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.91	18.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0148	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.64	18.10
23 37 13 13-0149	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.99	18.10
23 37 13 13-0150	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.17	18.10
23 37 13 13-0151	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	107.95	18.10
23 37 13 13-0152	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.99	18.10
23 37 13 13-0153	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	103.60	18.10
23 37 13 13-0154	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	107.95	18.10
23 37 13 13-0155	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	139.43	26.69
23 37 13 13-0156	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	141.60	26.69
23 37 13 13-0157	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	137.25	26.69
23 37 13 13-0158	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	167.67	30.99
23 37 13 13-0159	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	135.08	26.69
23 37 13 13-0160	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	178.54	30.99
23 37 13 13-0161	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.82	18.10
23 37 13 13-0162	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	137.25	26.69
23 37 13 13-0163	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	200.26	35.29
23 37 13 13-0164	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	135.08	26.69
23 37 13 13-0165	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	139.43	26.69
23 37 13 13-0166	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	161.15	30.99
		For Lay-In Installation, Deduct	*-65.13*	
23 37 13 13-0167	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	167.67	30.99
23 37 13 13-0168	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	187.21	35.29
23 37 13 13-0169	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	193.74	35.29
23 37 13 13-0170	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	201.35	35.29
23 37 13 13-0171	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	215.48	35.29
		For Lay-In Installation, Deduct	*-74.55*	
23 37 13 13-0172	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	164.41	30.99
23 37 13 13-0173	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	263.95	38.67
23 37 13 13-0174	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	447.64	47.26
		For Lay-In Installation, Deduct	*-107.31*	

23 37 13 13-0175 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0176 Adjustable Curved Blade Register *(23 37 13 13-0175)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0177	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	114.46	11.28
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0178	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	118.62	11.28
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*168.62*	
23 37 13 13-0179	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	129.95	15.52
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0180	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	145.22	14.10
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*193.61*	
23 37 13 13-0181	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	174.60	18.33
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*231.08*	
23 37 13 13-0182	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	215.21	21.16
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0183	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	215.21	21.16
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0184	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	265.33	28.21
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0185	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	349.93	29.61
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*527.74*	
23 37 13 13-0186	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	569.96	59.80
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,013.31*	

23 37 13 13-0187 Removable-Reversible Core Registers *(23 37 13 13-0175)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0188	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	132.50	11.28
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*199.85*	
23 37 13 13-0189	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	168.59	11.28
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*281.05*	
23 37 13 13-0190	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	214.61	15.52
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0191	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	217.38	15.52
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*355.97*	
23 37 13 13-0192	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	277.30	18.33
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*462.15*	
23 37 13 13-0193	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	395.63	22.56
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*693.23*	
23 37 13 13-0194	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	445.59	21.16
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0195	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	537.35	28.21
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*961.79*	
23 37 13 13-0196	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	678.85	28.21
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,267.81*	

23 37 13 13-0197 Adjustable Shutter Blade Registers *(23 37 13 13-0175)*

Note: Double deflection flat frame aluminum construction.

23 37 13 13-0198	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	205.60	11.28
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*364.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0199	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	237.98	11.28
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0200	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	253.47	15.52
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0201	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	262.72	14.10
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*457.99*	
23 37 13 13-0202	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	321.71	18.33
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*562.07*	
23 37 13 13-0203	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	429.87	21.16
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*770.27*	
23 37 13 13-0204	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	508.51	22.56
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*947.21*	
23 37 13 13-0205	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	628.02	28.21
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0206	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	869.45	29.61
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,696.66*	

23 37 13 13-0207 Air Conditioning And Ventilation *(23 37 13 13-0175)*

23 37 13 13-0208	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	112.00	29.61
		For Stainless Steel, Add	*118.87*	
23 37 13 13-0209	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	193.80	44.07
		For Stainless Steel, Add	*237.74*	
23 37 13 13-0210	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	299.49	61.69
		For Stainless Steel, Add	*396.20*	
23 37 13 13-0211	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	750.33	84.62
		For Stainless Steel, Add	*1,307.50*	

23 37 13 13-0212 Square Wall Return Air And Exhaust Grilles *(23 37 13 13-0175)*

Note: Egg crate design aluminum construction.

23 37 13 13-0213	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	102.41	35.33
23 37 13 13-0214	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	112.18	35.33
23 37 13 13-0215	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	167.05	53.00
23 37 13 13-0216	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	215.89	53.00
23 37 13 13-0217	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	361.12	70.66
23 37 13 13-0218	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	656.09	70.51

23 37 13 13-0219 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles *(23 37 13 13-0175)*

Note: Aluminum construction.

23 37 13 13-0220	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	293.83	25.43
23 37 13 13-0221	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	335.46	25.43
23 37 13 13-0222	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	404.51	28.27
23 37 13 13-0223	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	478.49	28.27
23 37 13 13-0224	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	614.46	88.32

23 37 13 13-0225 Square Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0175)*

Note: Egg crate design, plastic construction.

23 37 13 13-0226	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	56.64	16.93
23 37 13 13-0227	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	81.76	17.06

23 37 13 13-0228 Door Grilles Sight Proof Inverted Vee Cross Section *(23 37 13 13-0175)*

Note: Painted steel louvers and frame.

23 37 13 13-0229	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	164.31	25.43
23 37 13 13-0230	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	205.93	25.43
23 37 13 13-0231	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	256.82	26.86
23 37 13 13-0232	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	353.97	32.08
23 37 13 13-0233	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	392.96	58.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0234		Supply Grille With Rotating Aluminum Drum And Aluminun Frame *(23 37 13 13-0175)* Note: Titus DL or equal		
23 37 13 13-0235	EA	9" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	99.13	21.86
		For Adjustable Deflection Blades, Add	*3.60*	
		For Split Vane Supply Grille, Add	*5.41*	
		For Curved Frame For Round Duct Mounting, Add	*8.59*	
		For Stainless Steel, Add	*41.59*	
23 37 13 13-0236	EA	12" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	118.35	25.81
		For Adjustable Deflection Blades, Add	*4.34*	
		For Split Vane Supply Grille, Add	*6.51*	
		For Curved Frame For Round Duct Mounting, Add	*10.34*	
		For Stainless Steel, Add	*50.06*	
23 37 13 13-0237	EA	15" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	135.70	27.64
		For Adjustable Deflection Blades, Add	*5.22*	
		For Split Vane Supply Grille, Add	*7.83*	
		For Curved Frame For Round Duct Mounting, Add	*12.45*	
		For Stainless Steel, Add	*60.23*	
23 37 13 13-0238	EA	18" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	149.61	29.61
		For Adjustable Deflection Blades, Add	*5.88*	
		For Split Vane Supply Grille, Add	*8.82*	
		For Curved Frame For Round Duct Mounting, Add	*14.02*	
		For Stainless Steel, Add	*67.84*	
23 37 13 13-0239	EA	20" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	160.18	32.72
		For Adjustable Deflection Blades, Add	*6.15*	
		For Split Vane Supply Grille, Add	*9.23*	
		For Curved Frame For Round Duct Mounting, Add	*14.67*	
		For Stainless Steel, Add	*70.99*	
23 37 13 13-0240	EA	24" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	184.62	35.96
		For Adjustable Deflection Blades, Add	*7.33*	
		For Split Vane Supply Grille, Add	*10.99*	
		For Curved Frame For Round Duct Mounting, Add	*17.47*	
		For Stainless Steel, Add	*84.54*	
23 37 13 13-0241	EA	30" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	218.56	39.87
		For Adjustable Deflection Blades, Add	*9.02*	
		For Split Vane Supply Grille, Add	*13.54*	
		For Curved Frame For Round Duct Mounting, Add	*21.52*	
		For Stainless Steel, Add	*104.12*	
23 37 13 13-0242	EA	36" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	258.50	43.86
		For Adjustable Deflection Blades, Add	*11.11*	
		For Split Vane Supply Grille, Add	*16.67*	
		For Curved Frame For Round Duct Mounting, Add	*26.50*	
		For Stainless Steel, Add	*128.23*	
23 37 13 13-0243	EA	40" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	299.40	49.35
		For Adjustable Deflection Blades, Add	*13.05*	
		For Split Vane Supply Grille, Add	*19.57*	
		For Curved Frame For Round Duct Mounting, Add	*31.11*	
		For Stainless Steel, Add	*150.53*	
23 37 13 13-0244	EA	48" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	329.51	54.99
		For Adjustable Deflection Blades, Add	*14.28*	
		For Split Vane Supply Grille, Add	*21.41*	
		For Curved Frame For Round Duct Mounting, Add	*34.04*	
		For Stainless Steel, Add	*164.73*	
23 37 13 13-0245	EA	12" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	126.15	28.62
		For Adjustable Deflection Blades, Add	*4.48*	
		For Split Vane Supply Grille, Add	*6.72*	
		For Curved Frame For Round Duct Mounting, Add	*10.69*	
		For Stainless Steel, Add	*51.71*	
23 37 13 13-0246	EA	15" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	144.36	30.74
		For Adjustable Deflection Blades, Add	*5.39*	
		For Split Vane Supply Grille, Add	*8.09*	
		For Curved Frame For Round Duct Mounting, Add	*12.86*	
		For Stainless Steel, Add	*62.23*	
23 37 13 13-0247	EA	18" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	159.02	32.86
		For Adjustable Deflection Blades, Add	*6.07*	
		For Split Vane Supply Grille, Add	*9.11*	
		For Curved Frame For Round Duct Mounting, Add	*14.48*	
		For Stainless Steel, Add	*70.08*	
23 37 13 13-0248	EA	20" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	170.42	36.38
		For Adjustable Deflection Blades, Add	*6.36*	
		For Split Vane Supply Grille, Add	*9.53*	
		For Curved Frame For Round Duct Mounting, Add	*15.16*	
		For Stainless Steel, Add	*73.34*	
23 37 13 13-0249	EA	24" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	202.17	39.63
		For Adjustable Deflection Blades, Add	*8.00*	
		For Split Vane Supply Grille, Add	*12.00*	
		For Curved Frame For Round Duct Mounting, Add	*19.07*	
		For Stainless Steel, Add	*92.29*	
23 37 13 13-0250	EA	30" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	238.58	44.14
		For Adjustable Deflection Blades, Add	*9.76*	
		For Split Vane Supply Grille, Add	*14.64*	
		For Curved Frame For Round Duct Mounting, Add	*23.28*	
		For Stainless Steel, Add	*112.65*	
23 37 13 13-0251	EA	36" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	288.75	48.51
		For Adjustable Deflection Blades, Add	*12.46*	
		For Split Vane Supply Grille, Add	*18.70*	
		For Curved Frame For Round Duct Mounting, Add	*29.72*	
		For Stainless Steel, Add	*143.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0252	EA	40" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	342.68	54.71
		For Stainless Steel, Add	*524.90*	
		For Adjustable Deflection Blades, Add	*15.16*	
		For Split Vane Supply Grille, Add	*22.75*	
		For Curved Frame For Round Duct Mounting, Add	*36.16*	
		For Stainless Steel, Add	*174.97*	
23 37 13 13-0253	EA	48" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	368.09	60.92
		For Adjustable Deflection Blades, Add	*16.01*	
		For Split Vane Supply Grille, Add	*24.02*	
		For Curved Frame For Round Duct Mounting, Add	*38.18*	
		For Stainless Steel, Add	*184.74*	
23 37 13 13-0254	EA	12" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	136.78	31.73
		For Adjustable Deflection Blades, Add	*4.77*	
		For Split Vane Supply Grille, Add	*7.15*	
		For Curved Frame For Round Duct Mounting, Add	*11.37*	
		For Stainless Steel, Add	*55.04*	
23 37 13 13-0255	EA	15" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	156.35	33.99
		For Adjustable Deflection Blades, Add	*5.74*	
		For Split Vane Supply Grille, Add	*8.61*	
		For Curved Frame For Round Duct Mounting, Add	*13.69*	
		For Stainless Steel, Add	*66.23*	
23 37 13 13-0256	EA	18" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	172.13	36.38
		For Adjustable Deflection Blades, Add	*6.46*	
		For Split Vane Supply Grille, Add	*9.70*	
		For Curved Frame For Round Duct Mounting, Add	*15.41*	
		For Stainless Steel, Add	*74.59*	
23 37 13 13-0257	EA	20" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	184.58	40.19
		For Adjustable Deflection Blades, Add	*6.77*	
		For Split Vane Supply Grille, Add	*10.15*	
		For Curved Frame For Round Duct Mounting, Add	*16.13*	
		For Stainless Steel, Add	*78.06*	
23 37 13 13-0258	EA	25" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	218.38	43.72
		For Adjustable Deflection Blades, Add	*8.51*	
		For Split Vane Supply Grille, Add	*12.77*	
		For Curved Frame For Round Duct Mounting, Add	*20.30*	
		For Stainless Steel, Add	*98.23*	
23 37 13 13-0259	EA	30" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	257.95	49.07
		For Adjustable Deflection Blades, Add	*10.39*	
		For Split Vane Supply Grille, Add	*15.59*	
		For Curved Frame For Round Duct Mounting, Add	*24.78*	
		For Stainless Steel, Add	*119.90*	
23 37 13 13-0260	EA	35" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	309.95	53.87
		For Adjustable Deflection Blades, Add	*13.15*	
		For Split Vane Supply Grille, Add	*19.72*	
		For Curved Frame For Round Duct Mounting, Add	*31.35*	
		For Stainless Steel, Add	*151.70*	
23 37 13 13-0261	EA	40" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	355.22	60.78
		For Adjustable Deflection Blades, Add	*15.20*	
		For Split Vane Supply Grille, Add	*22.80*	
		For Curved Frame For Round Duct Mounting, Add	*36.24*	
		For Stainless Steel, Add	*175.35*	
23 37 13 13-0262	EA	50" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	394.81	67.55
		For Adjustable Deflection Blades, Add	*16.89*	
		For Split Vane Supply Grille, Add	*25.34*	
		For Curved Frame For Round Duct Mounting, Add	*40.28*	
		For Stainless Steel, Add	*194.89*	
23 37 13 13-0263	EA	12" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	152.74	34.27
		For Adjustable Deflection Blades, Add	*5.47*	
		For Split Vane Supply Grille, Add	*8.20*	
		For Curved Frame For Round Duct Mounting, Add	*13.03*	
		For Stainless Steel, Add	*63.06*	
23 37 13 13-0264	EA	15" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	174.86	36.80
		For Adjustable Deflection Blades, Add	*6.58*	
		For Split Vane Supply Grille, Add	*9.87*	
		For Curved Frame For Round Duct Mounting, Add	*15.68*	
		For Stainless Steel, Add	*75.89*	
23 37 13 13-0265	EA	18" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	192.66	39.35
		For Adjustable Deflection Blades, Add	*7.41*	
		For Split Vane Supply Grille, Add	*11.11*	
		For Curved Frame For Round Duct Mounting, Add	*17.66*	
		For Stainless Steel, Add	*85.47*	
23 37 13 13-0266	EA	20" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	206.43	43.57
		For Adjustable Deflection Blades, Add	*7.75*	
		For Split Vane Supply Grille, Add	*11.63*	
		For Curved Frame For Round Duct Mounting, Add	*18.48*	
		For Stainless Steel, Add	*89.44*	
23 37 13 13-0267	EA	25" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	248.02	48.93
		For Adjustable Deflection Blades, Add	*9.75*	
		For Split Vane Supply Grille, Add	*14.63*	
		For Curved Frame For Round Duct Mounting, Add	*23.26*	
		For Stainless Steel, Add	*112.55*	
23 37 13 13-0268	EA	30" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	287.66	54.43
		For Adjustable Deflection Blades, Add	*11.63*	
		For Split Vane Supply Grille, Add	*17.44*	
		For Curved Frame For Round Duct Mounting, Add	*27.73*	
		For Stainless Steel, Add	*134.19*	
23 37 13 13-0269	EA	35" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	335.85	60.08
		For Adjustable Deflection Blades, Add	*14.01*	
		For Split Vane Supply Grille, Add	*21.02*	
		For Curved Frame For Round Duct Mounting, Add	*33.42*	
		For Stainless Steel, Add	*161.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0270	EA	40" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	380.90	65.86
		For Adjustable Deflection Blades, Add	*16.20*	
		For Split Vane Supply Grille, Add	*24.29*	
		For Curved Frame For Round Duct Mounting, Add	*38.62*	
		For Stainless Steel, Add	*186.87*	
23 37 13 13-0271	EA	50" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	423.08	73.04
		For Adjustable Deflection Blades, Add	*18.00*	
		For Split Vane Supply Grille, Add	*27.00*	
		For Curved Frame For Round Duct Mounting, Add	*42.92*	
		For Stainless Steel, Add	*207.69*	
23 37 13 13-0272	EA	60" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	482.32	83.34
		For Adjustable Deflection Blades, Add	*20.52*	
		For Split Vane Supply Grille, Add	*30.78*	
		For Curved Frame For Round Duct Mounting, Add	*48.93*	
		For Stainless Steel, Add	*236.78*	
23 37 13 13-0273	EA	15" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	198.47	41.46
		For Adjustable Deflection Blades, Add	*7.52*	
		For Split Vane Supply Grille, Add	*11.28*	
		For Curved Frame For Round Duct Mounting, Add	*17.93*	
		For Stainless Steel, Add	*86.75*	
23 37 13 13-0274	EA	18" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	218.70	44.28
		For Adjustable Deflection Blades, Add	*8.47*	
		For Split Vane Supply Grille, Add	*12.70*	
		For Curved Frame For Round Duct Mounting, Add	*20.19*	
		For Stainless Steel, Add	*97.69*	
23 37 13 13-0275	EA	20" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	234.27	48.93
		For Adjustable Deflection Blades, Add	*8.86*	
		For Split Vane Supply Grille, Add	*13.29*	
		For Curved Frame For Round Duct Mounting, Add	*21.13*	
		For Stainless Steel, Add	*102.23*	
23 37 13 13-0276	EA	25" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	280.08	54.29
		For Adjustable Deflection Blades, Add	*11.15*	
		For Split Vane Supply Grille, Add	*16.72*	
		For Curved Frame For Round Duct Mounting, Add	*26.59*	
		For Stainless Steel, Add	*128.64*	
23 37 13 13-0277	EA	30" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	324.12	59.80
		For Adjustable Deflection Blades, Add	*13.29*	
		For Split Vane Supply Grille, Add	*19.94*	
		For Curved Frame For Round Duct Mounting, Add	*31.70*	
		For Stainless Steel, Add	*153.38*	
23 37 13 13-0278	EA	35" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	378.63	66.14
		For Adjustable Deflection Blades, Add	*16.02*	
		For Split Vane Supply Grille, Add	*24.03*	
		For Curved Frame For Round Duct Mounting, Add	*38.20*	
		For Stainless Steel, Add	*184.82*	
23 37 13 13-0279	EA	40" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	429.58	72.35
		For Adjustable Deflection Blades, Add	*18.51*	
		For Split Vane Supply Grille, Add	*27.77*	
		For Curved Frame For Round Duct Mounting, Add	*44.14*	
		For Stainless Steel, Add	*213.59*	
23 37 13 13-0280	EA	50" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	477.18	80.38
		For Adjustable Deflection Blades, Add	*20.58*	
		For Split Vane Supply Grille, Add	*30.86*	
		For Curved Frame For Round Duct Mounting, Add	*49.06*	
		For Stainless Steel, Add	*237.41*	
23 37 13 13-0281	EA	60" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	543.96	91.53
		For Adjustable Deflection Blades, Add	*23.46*	
		For Split Vane Supply Grille, Add	*35.18*	
		For Curved Frame For Round Duct Mounting, Add	*55.93*	
		For Stainless Steel, Add	*270.64*	

23 37 13 13-0282 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

23 37 13 13-0283	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	264.41	
23 37 13 13-0284	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	291.63	
23 37 13 13-0285	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	43.71	
23 37 13 13-0286	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	59.20	

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Registers And Grilles *(23 37 13 43)*

23 37 13 43-0002 Maximum Security Steel Supply / Return Registers *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0003	EA	6" x 6" Maximum Security Supply/ Return Register	266.63	15.80
23 37 13 43-0004	EA	9" x 9" Maximum Security Supply/ Return Register	386.97	18.79
23 37 13 43-0005	EA	12" x 6" Maximum Security Supply/ Return Register	359.91	19.72
23 37 13 43-0006	EA	12" x 8" Maximum Security Supply/ Return Register	416.29	22.77
23 37 13 43-0007	EA	10" x 10" Maximum Security Supply/ Return Register	390.91	19.72
23 37 13 43-0008	EA	14" x 12" Maximum Security Supply/ Return Register	542.55	27.75
23 37 13 43-0009	EA	14" x 14" Maximum Security Supply/ Return Register	614.40	29.88
23 37 13 43-0010	EA	18" x 18" Maximum Security Supply/ Return Register	824.08	35.52
23 37 13 43-0011	EA	24" x 24" Maximum Security Supply/ Return Registers	1,185.09	45.40

23 37 13 43-0012 Staff Security Steel Supply Registers *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0013	EA	6" x 6" Staff Security Supply Register	198.44	15.80
23 37 13 43-0014	EA	9" x 9" Staff Security Supply Register	256.78	18.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0015	EA	12" x 12" Staff Security Supply Register	323.87	25.64
23 37 13 43-0016	EA	15" x 15" Staff Security Supply Register	463.38	29.60
23 37 13 43-0017	EA	21" x 21" Staff Security Supply Register	662.35	39.49
23 37 13 43-0018	EA	24" x 24" Staff Security Supply Register	797.63	45.40

23 37 13 43-0019 Staff Security Steel Return Registers *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0020	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	255.08	17.08
23 37 13 43-0021	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	229.43	15.80
23 37 13 43-0022	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	278.76	17.79
23 37 13 43-0023	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	283.56	19.21
23 37 13 43-0024	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	354.29	22.77
23 37 13 43-0025	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	372.89	22.77
23 37 13 43-0026	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	416.01	23.63
23 37 13 43-0027	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	416.86	25.64
23 37 13 43-0028	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	546.49	28.75
23 37 13 43-0029	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	465.06	27.75
23 37 13 43-0030	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	583.41	29.60
23 37 13 43-0031	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	536.91	29.32

23 37 13 43-0032 Maximum Security Steel Grills *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0033	EA	10" x 4" Maximum Security Grill	217.89	17.08
23 37 13 43-0034	EA	6" x 6" Maximum Security Grill	198.44	15.80
23 37 13 43-0035	EA	10" x 6" Maximum Security Grill	235.36	17.79
23 37 13 43-0036	EA	12" x 5" Maximum Security Grill	243.26	19.21
23 37 13 43-0037	EA	12" x 8" Maximum Security Grill	289.20	22.77
23 37 13 43-0038	EA	16" x 8" Maximum Security Grill	335.42	23.63
23 37 13 43-0039	EA	12" x 12" Maximum Security Grill	336.27	25.64
23 37 13 43-0040	EA	14" x 12" Maximum Security Grill	365.87	27.75
23 37 13 43-0041	EA	30" x 6" Maximum Security Grill	453.50	28.75
23 37 13 43-0042	EA	28" x 8" Maximum Security Grill	478.02	29.60
23 37 13 43-0043	EA	18" x 12" Maximum Security Grill	434.62	29.32

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,357.91	81.79
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,433.12	93.64
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,792.02	116.49
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,908.83	123.95
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,228.85	144.26
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,602.11	93.07
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,761.09	104.91
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,047.87	112.81
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,222.86	136.73
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,563.48	146.66
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,903.83	155.69
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,916.24	106.19
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,183.66	121.00
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,451.09	135.81
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,762.96	153.15
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,119.57	172.89
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,317.26	128.47
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,406.45	133.41
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,673.85	148.22
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,030.31	167.96
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,386.78	187.69
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,877.00	214.91
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,303.74	126.64
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,680.66	147.37
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,057.71	168.10
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,476.54	191.08
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,853.49	211.82
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,417.34	140.46
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,734.30	158.93
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,051.38	177.26
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,526.94	204.91
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,883.55	225.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,045.49	188.82
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,379.70	209.56
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,862.57	239.45
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,233.96	262.44
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,642.50	287.83
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,665.89	214.91
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,039.29	236.78
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,446.71	260.61
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,854.01	284.58
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,906.22	346.21
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,313.64	370.04
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,225.07	266.67
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,634.89	292.48
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,549.26	350.16
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,179.81	389.93
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,558.27	413.90
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,062.70	445.63
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,945.59	501.33
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,043.49	298.54
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,261.79	370.61
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,140.21	422.63
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,395.14	437.73
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,245.18	487.93
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,066.84	536.59
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,654.07	430.96
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,197.91	466.22
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,741.60	501.47
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,595.99	556.75
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,105.35	564.08
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,725.92	485.82
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,666.22	544.90
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,403.29	591.30
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,013.11	629.66
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,629.93	604.84
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,111.58	644.75
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,839.08	694.25
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,101.84	697.49
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,812.91	815.67
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	12,190.71	752.07

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Stainless Steel Exhaust Hood Material *(23 38 13 16)*

Note: Welded seams.

23 38 13 16-0002	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	56.67	19.38
		For Type 316 Stainless Steel, Add	*1.65*	
23 38 13 16-0003	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	70.84	25.85
		For Type 316 Stainless Steel, Add	*2.06*	
23 38 13 16-0004	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	98.38	34.90
		For Type 316 Stainless Steel, Add	*2.88*	
23 38 13 16-0005	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	123.17	42.65
		For Type 316 Stainless Steel, Add	*3.70*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	14.74

23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*

23 41 13 00-0004	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91
23 41 13 00-0005	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42
23 41 13 00-0006	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.91

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*

Note: Includes particleboard and kraft paper frame and separator material.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	134.59	19.79
		For Removal And Replacement In Existing Equipment, Add	*3.96*	
		For >10 To 25, Deduct	*-3.36*	
		For >25 To 50, Deduct	*-6.73*	
		For >50 To 100, Deduct	*-10.09*	
		For >100, Deduct	*-13.46*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	177.85	22.61
		For Removal And Replacement In Existing Equipment, Add	*4.52*	
		For >10 To 25, Deduct	*-4.45*	
		For >25 To 50, Deduct	*-8.89*	
		For >50 To 100, Deduct	*-13.34*	
		For >100, Deduct	*-17.79*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	208.06	26.14
		For Removal And Replacement In Existing Equipment, Add	*5.23*	
		For >10 To 25, Deduct	*-5.20*	
		For >25 To 50, Deduct	*-10.40*	
		For >50 To 100, Deduct	*-15.60*	
		For >100, Deduct	*-20.81*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	238.30	29.68
		For Removal And Replacement In Existing Equipment, Add	*5.94*	
		For >10 To 25, Deduct	*-5.96*	
		For >25 To 50, Deduct	*-11.92*	
		For >50 To 100, Deduct	*-17.87*	
		For >100, Deduct	*-23.83*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	163.12	21.20
		For Removal And Replacement In Existing Equipment, Add	*4.24*	
		For >10 To 25, Deduct	*-4.08*	
		For >25 To 50, Deduct	*-8.16*	
		For >50 To 100, Deduct	*-12.23*	
		For >100, Deduct	*-16.31*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	217.96	24.73
		For Removal And Replacement In Existing Equipment, Add	*4.95*	
		For >10 To 25, Deduct	*-5.45*	
		For >25 To 50, Deduct	*-10.90*	
		For >50 To 100, Deduct	*-16.35*	
		For >100, Deduct	*-21.80*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	260.14	28.27
		For Removal And Replacement In Existing Equipment, Add	*5.65*	
		For >10 To 25, Deduct	*-6.50*	
		For >25 To 50, Deduct	*-13.01*	
		For >50 To 100, Deduct	*-19.51*	
		For >100, Deduct	*-26.01*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	309.38	35.33
		For Removal And Replacement In Existing Equipment, Add	*7.07*	
		For >10 To 25, Deduct	*-7.73*	
		For >25 To 50, Deduct	*-15.47*	
		For >50 To 100, Deduct	*-23.20*	
		For >100, Deduct	*-30.94*	

23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*

23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	115.51	17.67
		For Removal And Replacement In Existing Equipment, Add	*3.53*	
		For >10 To 25, Deduct	*-2.89*	
		For >25 To 50, Deduct	*-5.78*	
		For >50 To 100, Deduct	*-8.66*	
		For >100, Deduct	*-11.55*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	158.92	21.20
		For Removal And Replacement In Existing Equipment, Add	*4.24*	
		For >10 To 25, Deduct	*-3.97*	
		For >25 To 50, Deduct	*-7.95*	
		For >50 To 100, Deduct	*-11.92*	
		For >100, Deduct	*-15.89*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	240.92	24.73
		For Removal And Replacement In Existing Equipment, Add	*4.95*	
		For >10 To 25, Deduct	*-6.02*	
		For >25 To 50, Deduct	*-12.05*	
		For >50 To 100, Deduct	*-18.07*	
		For >100, Deduct	*-24.09*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	308.70	28.27
		For Removal And Replacement In Existing Equipment, Add	*5.65*	
		For >10 To 25, Deduct	*-7.72*	
		For >25 To 50, Deduct	*-15.44*	
		For >50 To 100, Deduct	*-23.15*	
		For >100, Deduct	*-30.87*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	108.38	14.13
		For Removal And Replacement In Existing Equipment, Add	*2.83*	
		For >10 To 25, Deduct	*-2.71*	
		For >25 To 50, Deduct	*-5.42*	
		For >50 To 100, Deduct	*-8.13*	
		For >100, Deduct	*-10.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	143.74	19.08
		For Removal And Replacement In Existing Equipment, Add	*3.82*	
		For >10 To 25, Deduct	*-3.59*	
		For >25 To 50, Deduct	*-7.19*	
		For >50 To 100, Deduct	*-10.78*	
		For >100, Deduct	*-14.37*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	192.58	22.61
		For Removal And Replacement In Existing Equipment, Add	*4.52*	
		For >10 To 25, Deduct	*-4.81*	
		For >25 To 50, Deduct	*-9.63*	
		For >50 To 100, Deduct	*-14.44*	
		For >100, Deduct	*-19.26*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	226.08	26.50
		For Removal And Replacement In Existing Equipment, Add	*5.30*	
		For >10 To 25, Deduct	*-5.65*	
		For >25 To 50, Deduct	*-11.30*	
		For >50 To 100, Deduct	*-16.96*	
		For >100, Deduct	*-22.61*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	258.18	29.68
		For Removal And Replacement In Existing Equipment, Add	*5.94*	
		For >10 To 25, Deduct	*-6.45*	
		For >25 To 50, Deduct	*-12.91*	
		For >50 To 100, Deduct	*-19.36*	
		For >100, Deduct	*-25.82*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	176.53	21.20
		For Removal And Replacement In Existing Equipment, Add	*4.24*	
		For >10 To 25, Deduct	*-4.41*	
		For >25 To 50, Deduct	*-8.83*	
		For >50 To 100, Deduct	*-13.24*	
		For >100, Deduct	*-17.65*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	236.69	24.73
		For Removal And Replacement In Existing Equipment, Add	*4.95*	
		For >10 To 25, Deduct	*-5.92*	
		For >25 To 50, Deduct	*-11.83*	
		For >50 To 100, Deduct	*-17.75*	
		For >100, Deduct	*-23.67*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	282.76	28.27
		For Removal And Replacement In Existing Equipment, Add	*5.65*	
		For >10 To 25, Deduct	*-7.07*	
		For >25 To 50, Deduct	*-14.14*	
		For >50 To 100, Deduct	*-21.21*	
		For >100, Deduct	*-28.28*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	348.52	35.33
		For Removal And Replacement In Existing Equipment, Add	*7.07*	
		For >10 To 25, Deduct	*-8.71*	
		For >25 To 50, Deduct	*-17.43*	
		For >50 To 100, Deduct	*-26.14*	
		For >100, Deduct	*-34.85*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	345.72	105.46
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	648.70	209.61
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	657.86	209.61
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	663.96	209.61
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	706.71	209.61
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	760.15	209.61
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,260.75	420.52
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,390.53	420.52
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,555.42	420.52
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	371.68	105.46
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	692.97	209.61
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	703.66	209.61
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	711.29	209.61
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	761.68	209.61
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	828.86	209.61
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,367.62	420.52
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,529.46	420.52
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,734.06	420.52

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	318.93	136.71
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	361.65	136.71

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	314.02	136.71
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	345.54	136.71

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.51	10.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.04	10.60
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.36	10.60
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.36	10.60
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	53.37	10.60
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	59.95	10.60
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.05	12.01
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.50	12.01
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.88	12.01
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.88	12.01
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	66.31	12.01
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	78.65	12.01
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	30.18	10.60
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	32.09	10.60
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	32.16	10.60
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	34.65	10.60
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	36.87	10.60
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	34.91	12.01
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	38.23	12.01
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	38.94	12.01
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	43.05	12.01
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	45.67	12.01
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	74.19	12.72

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001 Stationary Floor, Room Air Purifier *(23 43 23)*

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,172.71	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,629.17	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,107.07	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	926.57	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,660.16	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,550.76	

23 43 23 00-0008 Surface Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	3,139.80	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,319.17	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,919.98	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,984.36	

23 50 Central Heating Equipment *(23)*

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*
Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,979.98	286.42
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,513.04	312.46
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,419.81	345.02
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	7,087.24	400.34

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,787.04	312.46
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,840.83	345.02
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,588.16	403.60
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,988.50	452.42

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	556.04	97.64

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,066.18	57.81
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,169.08	61.32
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,290.73	65.09
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,379.00	69.42
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,505.62	74.37
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,599.42	80.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,768.37	86.81
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	1,941.81	94.68
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,173.83	99.27
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,335.34	104.15
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,551.55	109.36
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,019.69	173.15
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,311.45	183.89
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,588.23	195.29
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,649.44	201.80
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,764.38	208.31
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,869.80	221.33
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	4,038.22	227.69
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,214.12	240.71
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,416.88	260.38
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,640.16	269.32
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	4,845.86	273.40
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	5,083.86	286.42
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,323.21	299.44
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,563.23	312.46
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,802.26	325.48

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	489.31	11.28
23 51 13 19-0003	EA	12" x 12" Barometric Damper	707.64	15.52
23 51 13 19-0004	EA	18" x 18" Barometric Damper	949.21	23.97
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,139.79	45.13
23 51 13 19-0006	EA	6" Diameter Barometric Damper	241.52	11.28
		For Stainless Steel, Add	*237.30*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	285.71	12.69
		For Stainless Steel, Add	*281.93*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	331.49	14.10
		For Stainless Steel, Add	*326.95*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	407.19	14.10
		For Stainless Steel, Add	*414.17*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	535.29	16.92
		For Stainless Steel, Add	*564.25*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	678.97	18.33
		For Stainless Steel, Add	*727.73*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	852.77	19.74
		For Stainless Steel, Add	*928.13*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,017.14	21.16
		For Stainless Steel, Add	*1,115.53*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,179.47	23.97
		For Stainless Steel, Add	*1,302.54*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,551.72	25.38
		For Stainless Steel, Add	*1,740.23*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,846.20	28.21
		For Stainless Steel, Add	*2,083.01*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,224.75	28.21
		For Stainless Steel, Add	*2,531.24*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,741.66	32.44
		For Stainless Steel, Add	*3,137.69*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,495.41	33.85
		For Stainless Steel, Add	*4,034.17*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	36.23	11.59
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*5.09*	
		For 3" To 4" Wall Instead Of 1", Add	*9.08*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	38.85	12.23
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.68*	
		For 3" To 4" Wall Instead Of 1", Add	*10.02*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	42.86	13.02
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.42*	
		For 3" To 4" Wall Instead Of 1", Add	*11.23*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	46.70	13.93
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*7.14*	
		For 3" To 4" Wall Instead Of 1", Add	*12.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	54.63	14.84
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*9.11*	
		For 3" To 4" Wall Instead Of 1", Add	*15.48*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	60.71	16.02
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*10.13*	
		For 3" To 4" Wall Instead Of 1", Add	*17.21*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	86.56	17.19
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*17.23*	
		For 3" To 4" Wall Instead Of 1", Add	*28.03*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	104.89	19.01
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*21.99*	
		For 3" To 4" Wall Instead Of 1", Add	*35.35*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	146.16	19.79
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*33.93*	
		For 3" To 4" Wall Instead Of 1", Add	*53.37*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	182.03	20.83
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*44.24*	
		For 3" To 4" Wall Instead Of 1", Add	*68.95*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	223.42	21.87
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*55.98*	
		For 3" To 4" Wall Instead Of 1", Add	*86.73*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	285.39	34.76
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*68.47*	
		For 3" To 4" Wall Instead Of 1", Add	*106.99*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	344.36	36.71
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*84.78*	
		For 3" To 4" Wall Instead Of 1", Add	*131.80*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	408.72	39.06
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*102.93*	
		For 3" To 4" Wall Instead Of 1", Add	*159.32*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	473.99	40.36
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*122.04*	
		For 3" To 4" Wall Instead Of 1", Add	*188.10*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	496.87	41.67
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*128.24*	
		For 3" To 4" Wall Instead Of 1", Add	*197.56*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	528.08	44.65
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*136.13*	
		For 3" To 4" Wall Instead Of 1", Add	*209.77*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	597.33	46.35
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*156.08*	
		For 3" To 4" Wall Instead Of 1", Add	*239.89*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	669.04	48.04
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*176.70*	
		For 3" To 4" Wall Instead Of 1", Add	*271.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	704.21	49.99
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*186.29*	
		For 3" To 4" Wall Instead Of 1", Add	*285.68*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	763.63	52.07
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*203.08*	
		For 3" To 4" Wall Instead Of 1", Add	*311.13*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	841.00	54.29
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*225.14*	
		For 3" To 4" Wall Instead Of 1", Add	*344.50*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	879.83	56.77
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*235.54*	
		For 3" To 4" Wall Instead Of 1", Add	*360.41*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	973.38	59.50
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*262.25*	
		For 3" To 4" Wall Instead Of 1", Add	*400.81*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,056.76	62.49
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*285.78*	
		For 3" To 4" Wall Instead Of 1", Add	*436.48*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,162.28	65.75
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*315.86*	
		For 3" To 4" Wall Instead Of 1", Add	*481.99*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	91.01	23.17
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*15.82*	
		For 3" To 4" Wall Instead Of 1", Add	*26.60*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	100.73	24.48
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*18.01*	
		For 3" To 4" Wall Instead Of 1", Add	*30.07*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	112.18	26.04
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*20.69*	
		For 3" To 4" Wall Instead Of 1", Add	*34.28*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	123.93	27.73
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*23.41*	
		For 3" To 4" Wall Instead Of 1", Add	*38.55*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	147.43	29.68
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*29.47*	
		For 3" To 4" Wall Instead Of 1", Add	*47.90*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	172.29	32.03
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*35.67*	
		For 3" To 4" Wall Instead Of 1", Add	*57.51*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	299.16	34.76
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*72.34*	
		For 3" To 4" Wall Instead Of 1", Add	*112.86*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	362.09	37.89
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*89.70*	
		For 3" To 4" Wall Instead Of 1", Add	*139.28*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	469.00	39.71
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*120.86*	
		For 3" To 4" Wall Instead Of 1", Add	*186.25*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	576.12	41.67
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*152.05*	
		For 3" To 4" Wall Instead Of 1", Add	*233.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	744.21	43.88
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*201.32*	
		For 3" To 4" Wall Instead Of 1", Add	*307.46*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,049.77	69.39
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*280.20*	
		For 3" To 4" Wall Instead Of 1", Add	*428.98*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,382.74	73.56
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*378.05*	
		For 3" To 4" Wall Instead Of 1", Add	*576.26*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,560.33	78.11
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*429.00*	
		For 3" To 4" Wall Instead Of 1", Add	*653.28*	
23 51 16 00-0044		45 Degree Elbows *(23 51 16 00-0001)*		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	77.18	23.17
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*11.59*	
		For 3" To 4" Wall Instead Of 1", Add	*20.28*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	84.14	24.48
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*12.98*	
		For 3" To 4" Wall Instead Of 1", Add	*22.53*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	91.97	26.04
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*14.57*	
		For 3" To 4" Wall Instead Of 1", Add	*25.11*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	101.57	27.73
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*16.59*	
		For 3" To 4" Wall Instead Of 1", Add	*28.35*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	120.47	29.68
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*21.27*	
		For 3" To 4" Wall Instead Of 1", Add	*35.62*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	133.10	32.03
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*23.92*	
		For 3" To 4" Wall Instead Of 1", Add	*39.88*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	219.38	34.76
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*48.45*	
		For 3" To 4" Wall Instead Of 1", Add	*77.02*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	261.83	37.89
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.61*	
		For 3" To 4" Wall Instead Of 1", Add	*94.15*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	334.39	39.71
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*80.47*	
		For 3" To 4" Wall Instead Of 1", Add	*125.67*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	399.22	41.67
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*98.94*	
		For 3" To 4" Wall Instead Of 1", Add	*153.62*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	506.18	43.88
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*129.93*	
		For 3" To 4" Wall Instead Of 1", Add	*200.37*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	620.40	69.26
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*151.49*	
		For 3" To 4" Wall Instead Of 1", Add	*235.90*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	857.08	73.56
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*220.35*	
		For 3" To 4" Wall Instead Of 1", Add	*339.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,048.20	78.11
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*275.43*	
		For 3" To 4" Wall Instead Of 1", Add	*422.90*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,884.69	80.72
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*525.07*	
		For 3" To 4" Wall Instead Of 1", Add	*797.69*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,937.30	83.32
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*539.55*	
		For 3" To 4" Wall Instead Of 1", Add	*819.74*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,042.53	88.53
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*568.52*	
		For 3" To 4" Wall Instead Of 1", Add	*863.84*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,279.58	91.13
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*638.34*	
		For 3" To 4" Wall Instead Of 1", Add	*968.89*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,488.57	96.34
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*698.43*	
		For 3" To 4" Wall Instead Of 1", Add	*1,059.68*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,565.72	104.15
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*717.67*	
		For 3" To 4" Wall Instead Of 1", Add	*1,089.52*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,747.73	107.80
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*770.46*	
		For 3" To 4" Wall Instead Of 1", Add	*1,169.15*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,924.56	109.36
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*822.72*	
		For 3" To 4" Wall Instead Of 1", Add	*1,247.74*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,052.84	114.57
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*858.60*	
		For 3" To 4" Wall Instead Of 1", Add	*1,302.22*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,238.75	119.78
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*911.78*	
		For 3" To 4" Wall Instead Of 1", Add	*1,382.63*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,482.30	124.99
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*982.24*	
		For 3" To 4" Wall Instead Of 1", Add	*1,488.98*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,610.58	130.20
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,018.12*	
		For 3" To 4" Wall Instead Of 1", Add	*1,543.45*	

23 51 16 00-0071 Tees *(23 51 16 00-0001)*

23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	124.52	30.86
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*21.90*	
		For 3" To 4" Wall Instead Of 1", Add	*36.72*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	129.64	32.03
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*22.88*	
		For 3" To 4" Wall Instead Of 1", Add	*38.32*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	135.20	33.33
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*23.89*	
		For 3" To 4" Wall Instead Of 1", Add	*40.01*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	144.48	34.76
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*25.98*	
		For 3" To 4" Wall Instead Of 1", Add	*43.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	170.15	36.20
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*32.92*	
		For 3" To 4" Wall Instead Of 1", Add	*53.92*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	182.26	37.89
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*35.75*	
		For 3" To 4" Wall Instead Of 1", Add	*58.35*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	336.67	39.71
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*81.16*	
		For 3" To 4" Wall Instead Of 1", Add	*126.70*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	390.00	41.67
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*96.18*	
		For 3" To 4" Wall Instead Of 1", Add	*149.47*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	581.41	46.35
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*151.28*	
		For 3" To 4" Wall Instead Of 1", Add	*232.71*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	789.52	52.07
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*210.83*	
		For 3" To 4" Wall Instead Of 1", Add	*322.75*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	978.74	59.50
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*263.87*	
		For 3" To 4" Wall Instead Of 1", Add	*403.24*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,301.85	73.56
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*353.82*	
		For 3" To 4" Wall Instead Of 1", Add	*539.91*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,635.03	96.08
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*442.47*	
		For 3" To 4" Wall Instead Of 1", Add	*675.71*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,879.25	101.55
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*513.00*	
		For 3" To 4" Wall Instead Of 1", Add	*782.19*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,579.01	109.36
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*719.00*	
		For 3" To 4" Wall Instead Of 1", Add	*1,092.18*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,877.70	113.66
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*806.51*	
		For 3" To 4" Wall Instead Of 1", Add	*1,223.96*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,123.66	119.78
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*877.21*	
		For 3" To 4" Wall Instead Of 1", Add	*1,330.79*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,597.69	124.99
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,016.84*	
		For 3" To 4" Wall Instead Of 1", Add	*1,540.87*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,668.45	130.20
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,035.44*	
		For 3" To 4" Wall Instead Of 1", Add	*1,569.43*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,266.71	138.92
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,210.54*	
		For 3" To 4" Wall Instead Of 1", Add	*1,833.18*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,367.72	156.23
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,232.17*	
		For 3" To 4" Wall Instead Of 1", Add	*1,867.79*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,769.27	178.62
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,341.49*	
		For 3" To 4" Wall Instead Of 1", Add	*2,034.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,247.04	208.31
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,469.96*	
		For 3" To 4" Wall Instead Of 1", Add	*2,230.98*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,715.13	234.35
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,597.46*	
		For 3" To 4" Wall Instead Of 1", Add	*2,425.46*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,253.44	242.16
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,755.04*	
		For 3" To 4" Wall Instead Of 1", Add	*2,662.80*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,619.02	249.96
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,860.76*	
		For 3" To 4" Wall Instead Of 1", Add	*2,822.38*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	63.16	18.10
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*9.89*	
		For 3" To 4" Wall Instead Of 1", Add	*17.10*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	66.18	19.01
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*10.38*	
		For 3" To 4" Wall Instead Of 1", Add	*17.93*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	84.69	20.83
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*14.99*	
		For 3" To 4" Wall Instead Of 1", Add	*25.09*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	90.43	23.17
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.57*	
		For 3" To 4" Wall Instead Of 1", Add	*26.24*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	109.27	24.48
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*20.54*	
		For 3" To 4" Wall Instead Of 1", Add	*33.87*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	128.49	26.04
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*25.53*	
		For 3" To 4" Wall Instead Of 1", Add	*41.55*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	296.83	29.68
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*74.18*	
		For 3" To 4" Wall Instead Of 1", Add	*114.99*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	549.46	37.23
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*146.24*	
		For 3" To 4" Wall Instead Of 1", Add	*224.01*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,010.72	44.65
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*280.90*	
		For 3" To 4" Wall Instead Of 1", Add	*426.93*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,677.89	62.49
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*472.12*	
		For 3" To 4" Wall Instead Of 1", Add	*715.99*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,469.88	65.75
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*708.09*	
		For 3" To 4" Wall Instead Of 1", Add	*1,070.35*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,767.27	69.39
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*795.46*	
		For 3" To 4" Wall Instead Of 1", Add	*1,201.87*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,123.39	73.56
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*900.24*	
		For 3" To 4" Wall Instead Of 1", Add	*1,359.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,307.79	78.11
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*953.26*	
		For 3" To 4" Wall Instead Of 1", Add	*1,439.66*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,493.71	83.32
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,006.44*	
		For 3" To 4" Wall Instead Of 1", Add	*1,520.07*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,738.97	89.31
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,077.07*	
		For 3" To 4" Wall Instead Of 1", Add	*1,626.76*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	26.39	9.76
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*3.05*	
		For 3" To 4" Wall Instead Of 1", Add	*5.79*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	33.48	12.50
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.77*	
		For 3" To 4" Wall Instead Of 1", Add	*7.22*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	44.58	16.80
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*4.97*	
		For 3" To 4" Wall Instead Of 1", Add	*9.56*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	55.74	20.83
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*6.31*	
		For 3" To 4" Wall Instead Of 1", Add	*12.07*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	79.74	28.12
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*9.86*	
		For 3" To 4" Wall Instead Of 1", Add	*18.31*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	100.60	34.89
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*12.73*	
		For 3" To 4" Wall Instead Of 1", Add	*23.46*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	126.82	41.67
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*17.22*	
		For 3" To 4" Wall Instead Of 1", Add	*31.03*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	164.26	49.48
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*24.54*	
		For 3" To 4" Wall Instead Of 1", Add	*42.99*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	218.26	54.68
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*38.14*	
		For 3" To 4" Wall Instead Of 1", Add	*64.04*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	71.08	23.17
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*9.76*	
		For 3" To 4" Wall Instead Of 1", Add	*17.53*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	78.37	24.48
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*11.25*	
		For 3" To 4" Wall Instead Of 1", Add	*19.94*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	97.97	27.73
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*15.52*	
		For 3" To 4" Wall Instead Of 1", Add	*26.74*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	119.15	32.03
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*19.73*	
		For 3" To 4" Wall Instead Of 1", Add	*33.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	194.05	34.76
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*40.85*	
		For 3" To 4" Wall Instead Of 1", Add	*65.61*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	230.67	37.89
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*50.27*	
		For 3" To 4" Wall Instead Of 1", Add	*80.14*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	271.30	41.67
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*60.56*	
		For 3" To 4" Wall Instead Of 1", Add	*96.05*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	323.36	46.35
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*73.83*	
		For 3" To 4" Wall Instead Of 1", Add	*116.54*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	487.60	52.07
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*120.23*	
		For 3" To 4" Wall Instead Of 1", Add	*186.86*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	537.86	69.39
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*126.64*	
		For 3" To 4" Wall Instead Of 1", Add	*198.64*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	684.34	89.31
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*160.65*	
		For 3" To 4" Wall Instead Of 1", Add	*252.14*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	813.70	104.15
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*192.03*	
		For 3" To 4" Wall Instead Of 1", Add	*301.07*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	28.17	9.76
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.58*	
		For 3" To 4" Wall Instead Of 1", Add	*6.59*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	35.64	12.50
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.44*	
		For 3" To 4" Wall Instead Of 1", Add	*8.23*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	41.92	14.59
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*5.28*	
		For 3" To 4" Wall Instead Of 1", Add	*9.75*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	48.23	16.66
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*6.14*	
		For 3" To 4" Wall Instead Of 1", Add	*11.29*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	60.81	20.83
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*7.83*	
		For 3" To 4" Wall Instead Of 1", Add	*14.34*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	83.99	28.12
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*11.14*	
		For 3" To 4" Wall Instead Of 1", Add	*20.22*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	103.68	34.89
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*13.66*	
		For 3" To 4" Wall Instead Of 1", Add	*24.85*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	132.04	41.67
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*18.78*	
		For 3" To 4" Wall Instead Of 1", Add	*33.38*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	174.18	49.48
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*27.52*	
		For 3" To 4" Wall Instead Of 1", Add	*47.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	243.11	54.68
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*45.59*	
		For 3" To 4" Wall Instead Of 1", Add	*75.22*	
23 51 16 00-0149		**Oval Galvanized Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)*		
23 51 16 00-0150		**Oval Galvanized Double Wall Flue/Vent Pipe** *(23 51 16 00-0149)*		
23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	47.12	12.23
		For 2" Wall Instead Of 1", Add	*8.02*	
		For 3" To 4" Wall Instead Of 1", Add	*13.56*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	51.93	13.02
		For 2" Wall Instead Of 1", Add	*9.12*	
		For 3" To 4" Wall Instead Of 1", Add	*15.29*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	57.51	13.93
		For 2" Wall Instead Of 1", Add	*10.30*	
		For 3" To 4" Wall Instead Of 1", Add	*17.19*	
23 51 16 00-0154		**45 Degree Elbows** *(23 51 16 00-0149)*		
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	103.11	25.39
		For 2" Wall Instead Of 1", Add	*18.23*	
		For 3" To 4" Wall Instead Of 1", Add	*30.52*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	120.32	29.68
		For 2" Wall Instead Of 1", Add	*21.25*	
		For 3" To 4" Wall Instead Of 1", Add	*35.59*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	143.12	33.59
		For 2" Wall Instead Of 1", Add	*26.14*	
		For 3" To 4" Wall Instead Of 1", Add	*43.40*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	105.09	25.39
		For 2" Wall Instead Of 1", Add	*18.83*	
		For 3" To 4" Wall Instead Of 1", Add	*31.41*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	125.13	29.68
		For 2" Wall Instead Of 1", Add	*22.70*	
		For 3" To 4" Wall Instead Of 1", Add	*37.76*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	146.23	33.59
		For 2" Wall Instead Of 1", Add	*27.07*	
		For 3" To 4" Wall Instead Of 1", Add	*44.80*	
23 51 16 00-0161		**Tees** *(23 51 16 00-0149)*		
23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	171.97	38.54
		For 2" Wall Instead Of 1", Add	*32.30*	
		For 3" To 4" Wall Instead Of 1", Add	*53.28*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	175.08	38.54
		For 2" Wall Instead Of 1", Add	*33.24*	
		For 3" To 4" Wall Instead Of 1", Add	*54.68*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	201.19	44.27
		For 2" Wall Instead Of 1", Add	*38.22*	
		For 3" To 4" Wall Instead Of 1", Add	*62.87*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	230.07	49.60
		For 2" Wall Instead Of 1", Add	*44.22*	
		For 3" To 4" Wall Instead Of 1", Add	*72.53*	
23 51 16 00-0166		**Tops/Caps And Adjustable Flashing** *(23 51 16 00-0149)*		
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	65.60	12.50
		For 2" Wall Instead Of 1", Add	*13.41*	
		For 3" To 4" Wall Instead Of 1", Add	*21.68*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	102.11	16.80
		For 2" Wall Instead Of 1", Add	*22.23*	
		For 3" To 4" Wall Instead Of 1", Add	*35.45*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	53.43	12.50
		For 2" Wall Instead Of 1", Add	*9.76*	
		For 3" To 4" Wall Instead Of 1", Add	*16.20*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	90.66	16.80
		For 2" Wall Instead Of 1", Add	*18.80*	
		For 3" To 4" Wall Instead Of 1", Add	*30.30*	
23 51 16 00-0171		**Storm Collars** *(23 51 16 00-0149)*		
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	35.64	12.50
		For 2" Wall Instead Of 1", Add	*4.44*	
		For 3" To 4" Wall Instead Of 1", Add	*8.23*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	41.92	14.59
		For 2" Wall Instead Of 1", Add	*5.28*	
		For 3" To 4" Wall Instead Of 1", Add	*9.75*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	48.23	16.66
		For 2" Wall Instead Of 1", Add	*6.14*	
		For 3" To 4" Wall Instead Of 1", Add	*11.29*	
23 51 16 00-0175		**Round Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176		**Round Double Wall Flue/Vent Pipe** *(23 51 16 00-0175)*		
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	126.85	13.93
		For 316 Stainless Steel, Add	*16.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.42*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	152.50	16.02
		For 316 Stainless Steel, Add	*20.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	169.26	17.32
		For 316 Stainless Steel, Add	*22.67*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.19*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	190.86	18.87
		For 316 Stainless Steel, Add	*25.84*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.71*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	214.81	19.79
		For 316 Stainless Steel, Add	*29.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	226.84	20.83
		For 316 Stainless Steel, Add	*31.44*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.93*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	251.22	22.00
		For 316 Stainless Steel, Add	*35.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.27*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	311.60	34.76
		For 316 Stainless Steel, Add	*40.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.95*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	387.43	39.06
		For 316 Stainless Steel, Add	*52.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	437.21	41.67
		For 316 Stainless Steel, Add	*59.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*66.62*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	489.33	46.22
		For 316 Stainless Steel, Add	*67.27*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	544.59	49.99
		For 316 Stainless Steel, Add	*75.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	621.69	56.90
		For 316 Stainless Steel, Add	*86.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	728.00	65.88
		For 316 Stainless Steel, Add	*101.39*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.66*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	594.57	28.78
		For 316 Stainless Steel, Add	*104.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*104.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	656.89	32.03
		For 316 Stainless Steel, Add	*115.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.37*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	747.66	34.76
		For 316 Stainless Steel, Add	*132.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	844.81	37.89
		For 316 Stainless Steel, Add	*150.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*75.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*150.03*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	979.36	39.71
		For 316 Stainless Steel, Add	*176.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,079.05	41.67
		For 316 Stainless Steel, Add	*194.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,247.02	43.88
		For 316 Stainless Steel, Add	*227.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*113.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*227.48*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,446.41	69.39
		For 316 Stainless Steel, Add	*254.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*127.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*254.56*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,779.54	78.11
		For 316 Stainless Steel, Add	*316.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*316.85*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,158.15	83.32
		For 316 Stainless Steel, Add	*389.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*389.97*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,849.97	89.19
		For 316 Stainless Steel, Add	*525.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*262.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*525.37*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,239.30	104.15
		For 316 Stainless Steel, Add	*595.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*297.89*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*595.78*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,752.37	113.66
		For 316 Stainless Steel, Add	*893.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,931.78	124.99
		For 316 Stainless Steel, Add	*1,123.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*561.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,123.87*	

23 51 16 00-0206 45 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	397.07	27.73
		For 316 Stainless Steel, Add	*65.54*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.54*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	453.78	32.03
		For 316 Stainless Steel, Add	*74.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	503.89	34.76
		For 316 Stainless Steel, Add	*83.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	574.01	37.89
		For 316 Stainless Steel, Add	*95.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	646.26	39.71
		For 316 Stainless Steel, Add	*109.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*109.41*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	724.29	41.67
		For 316 Stainless Steel, Add	*124.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*62.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*124.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	811.01	43.88
		For 316 Stainless Steel, Add	*140.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*70.14*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*140.28*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	975.21	69.39
		For 316 Stainless Steel, Add	*160.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.32*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,224.38	78.11
		For 316 Stainless Steel, Add	*205.82*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*102.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*205.82*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,372.80	83.32
		For 316 Stainless Steel, Add	*232.90*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*232.90*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,780.26	89.19
		For 316 Stainless Steel, Add	*311.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*155.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*311.43*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,359.17	104.15
		For 316 Stainless Steel, Add	*419.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*209.88*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*419.76*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,127.51	113.66
		For 316 Stainless Steel, Add	*568.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,171.54	124.99
		For 316 Stainless Steel, Add	*771.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*385.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*771.81*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	430.81	34.76
		For 316 Stainless Steel, Add	*75.66*	
		For Tee Cap, Add	*99.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	490.04	37.89
		For 316 Stainless Steel, Add	*86.98*	
		For Tee Cap, Add	*112.21*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*79.08*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	562.28	39.71
		For 316 Stainless Steel, Add	*101.88*	
		For Tee Cap, Add	*127.33*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*46.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*92.62*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	645.74	41.67
		For 316 Stainless Steel, Add	*119.16*	
		For Tee Cap, Add	*144.77*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*108.32*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	754.84	46.35
		For 316 Stainless Steel, Add	*140.60*	
		For Tee Cap, Add	*168.33*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.82*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	847.75	52.07
		For 316 Stainless Steel, Add	*157.88*	
		For Tee Cap, Add	*189.07*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*143.53*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	988.18	59.50
		For 316 Stainless Steel, Add	*184.69*	
		For Tee Cap, Add	*219.94*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*167.90*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,131.63	73.56
		For 316 Stainless Steel, Add	*208.52*	
		For Tee Cap, Add	*253.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*94.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*189.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,438.41	104.15
		For 316 Stainless Steel, Add	*259.17*	
		For Tee Cap, Add	*326.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*235.61*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,746.37	113.66
		For 316 Stainless Steel, Add	*321.72*	
		For Tee Cap, Add	*391.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*146.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*292.48*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,316.45	124.99
		For 316 Stainless Steel, Add	*440.88*	
		For Tee Cap, Add	*510.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.40*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*400.80*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,581.56	138.92
		For 316 Stainless Steel, Add	*491.52*	
		For Tee Cap, Add	*568.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*223.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,109.02	208.31
		For 316 Stainless Steel, Add	*789.42*	
		For Tee Cap, Add	*899.92*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*358.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*717.65*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,161.06	249.96
		For 316 Stainless Steel, Add	*997.94*	
		For Tee Cap, Add	*1,125.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*453.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*907.22*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	811.41	27.73
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*74.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*148.40*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	884.37	32.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.86*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	967.02	34.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,069.58	37.89
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,196.01	39.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*109.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*219.36*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,322.78	41.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,477.21	43.88
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*136.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*273.52*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,717.20	69.39
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*154.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*308.72*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,118.07	78.11
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*192.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*384.55*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,374.83	83.32
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*216.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*433.30*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,714.70	89.31
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*249.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*498.29*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,103.92	104.15
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,939.97	113.66
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*365.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*731.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,780.86	124.99
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	540.49	32.03
		For 316 Stainless Steel, Add	*57.55*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	587.55	37.89
		For 316 Stainless Steel, Add	*61.61*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	643.02	41.67
		For 316 Stainless Steel, Add	*67.36*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	695.34	46.35
		For 316 Stainless Steel, Add	*72.44*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	883.55	49.08
		For 316 Stainless Steel, Add	*95.12*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	790.95	52.07
		For 316 Stainless Steel, Add	*82.60*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	851.17	55.59
		For 316 Stainless Steel, Add	*89.03*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	959.00	78.11
		For 316 Stainless Steel, Add	*95.46*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,076.00	89.19
		For 316 Stainless Steel, Add	*106.63*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,228.66	96.08
		For 316 Stainless Steel, Add	*123.56*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,370.55	104.02
		For 316 Stainless Steel, Add	*138.79*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,530.92	124.86
		For 316 Stainless Steel, Add	*152.33*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,958.36	138.79
		For 316 Stainless Steel, Add	*201.42*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,421.39	156.11
		For 316 Stainless Steel, Add	*253.89*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	373.02	18.10
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	393.54	19.79
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	423.07	20.83
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	442.08	21.87
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	486.87	22.52
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	531.67	23.04
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	644.42	23.82
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	807.58	44.65
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,013.83	48.04
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,208.24	49.99
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,484.27	52.07
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,685.70	56.90
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,125.76	59.50
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,715.42	62.49

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	408.12	18.10
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	472.08	19.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	547.61	20.83
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	628.90	21.87
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	733.25	22.52
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	832.36	23.17
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	926.10	23.82
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,113.48	44.65
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,325.26	48.04
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,438.35	49.99
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,633.13	52.07
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,902.19	56.77
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,315.24	59.50
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,688.24	62.49

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	616.71	33.33
		For 316 Stainless Steel, Add	*106.70*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	681.46	39.71
		For 316 Stainless Steel, Add	*116.45*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	748.65	43.88
		For 316 Stainless Steel, Add	*127.82*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	799.48	48.95
		For 316 Stainless Steel, Add	*135.41*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	891.17	52.07
		For 316 Stainless Steel, Add	*152.20*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	945.92	55.59
		For 316 Stainless Steel, Add	*161.40*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,015.52	59.63
		For 316 Stainless Steel, Add	*173.32*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,129.07	83.32
		For 316 Stainless Steel, Add	*184.15*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,269.47	96.21
		For 316 Stainless Steel, Add	*205.82*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,465.49	104.15
		For 316 Stainless Steel, Add	*241.02*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,746.40	113.66
		For 316 Stainless Steel, Add	*292.48*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,026.40	138.92
		For 316 Stainless Steel, Add	*335.81*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,017.42	156.23
		For 316 Stainless Steel, Add	*525.37*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,693.77	177.58
		For 316 Stainless Steel, Add	*649.95*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	110.61	13.93
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.17*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	134.71	14.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	153.85	16.02
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.75*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	208.48	17.32
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	269.46	19.01
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.41*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	342.20	19.92
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*58.50*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	238.70	27.73
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.85*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	263.90	29.68
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*37.91*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	296.75	32.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.33*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	368.48	34.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	438.61	37.89
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	510.78	39.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*82.33*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	196.39	27.73
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.39*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	216.51	29.68
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.44*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	242.61	32.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*32.50*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	298.06	34.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.25*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	352.60	37.89
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.59*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	407.93	39.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*61.74*	

23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	388.94	27.73
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	491.39	29.68
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	551.28	32.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*94.24*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	750.24	34.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.70*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,028.92	37.89
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*186.86*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,317.77	39.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	

23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	166.88	27.73
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	179.96	29.68
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	210.06	32.03
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	261.55	34.76
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	312.66	37.89
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	369.96	39.71

23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	198.03	27.73
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	220.57	29.68
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	239.83	32.03
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	291.31	34.76
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	358.78	37.89
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	429.50	39.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	177.71	27.73
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	221.92	29.68
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	277.75	32.03
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	441.65	34.76
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	601.15	37.89
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	765.38	39.71
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	262.92	27.73
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	292.33	29.68
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	317.00	32.03
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	398.21	34.76
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	471.10	37.89
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	575.81	39.71
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	258.32	53.00
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	280.08	53.00
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	48.87	16.11
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	55.55	16.95
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	63.65	18.83
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	79.01	22.16
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	58.75	18.46
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	70.86	19.44
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	86.90	21.60
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	107.45	25.41
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	96.99	24.43
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	114.50	25.70
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	142.33	28.56
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	184.35	33.60
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	143.86	36.05
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	164.46	37.94
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	213.72	42.16
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	277.73	49.60
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	60.41	19.57
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	70.64	20.60
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	88.11	21.35
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	102.27	22.23
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	60.41	19.57
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	70.64	20.60
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	88.11	21.35
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	102.27	22.23
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	60.41	19.57
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	70.64	20.60
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	88.11	21.35
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	102.27	22.23
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	60.41	19.57
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	70.64	20.60
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	87.03	21.35
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	104.94	22.23
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	187.15	29.36
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	234.99	30.91
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	275.67	32.03
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	301.57	33.33
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	70.95	19.57
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	101.32	20.60
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	117.81	21.35
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	160.34	22.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	78.55	20.09
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	85.98	20.97
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	153.85	21.78
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	105.58	20.09
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	83.78	20.97
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	211.59	21.78
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	78.55	20.09
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	85.98	20.97
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	189.85	21.78
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	99.83	29.36
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	111.88	30.91
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	170.49	32.03
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	181.99	33.33
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	280.52	32.03
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	367.28	40.03
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	231.08	33.33
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	341.91	41.67
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	357.06	20.97
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	413.23	21.78
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	136.33	29.36
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	164.53	30.91
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	188.28	32.03
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	214.65	33.33
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	237.67	32.03
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	261.92	33.33
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	78.20	9.79
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	100.26	10.30
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	119.09	10.68
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	155.39	11.10
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	152.13	29.36
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	186.43	30.91
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	215.45	32.03
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	259.32	33.33
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	196.76	19.57
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	173.76	20.60
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	217.20	21.35
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	442.48	20.60
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	472.42	21.35
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	551.35	22.23
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	116.61	19.57
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	123.38	19.57
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	130.15	19.57
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	136.92	19.57
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	125.97	20.60
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	132.74	20.60
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	139.51	20.60
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	146.28	20.60
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	141.37	21.35
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	148.14	21.35
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	154.91	21.35
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	123.31	19.57
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	157.78	20.60
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	143.67	29.36
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	188.81	30.91
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	223.02	32.03
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	245.62	33.33
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	51.44	16.95
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	61.48	18.83
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	61.84	19.44
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	77.16	21.60
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	93.20	25.70
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	128.73	37.94
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	155.86	42.16
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	56.87	16.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	73.09	19.44
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	119.52	25.70
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	62.57	19.57
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	73.35	20.60
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	91.57	21.35
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	61.55	19.57
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	72.67	20.60
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	90.38	21.35
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	40.08	9.79
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	46.67	10.30
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	52.28	10.68
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	102.13	10.30
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	117.36	11.10
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	20.41	4.90
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	19.46	5.16
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	20.04	5.34
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	31.60	5.56
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	38.53	7.34
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	45.26	7.72
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	52.51	8.00
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	36.64	7.34
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	36.57	8.00
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	44.55	8.34
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	27.98	7.72
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	55.74	19.57
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	61.46	20.60
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	66.16	21.35
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	73.89	22.23
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.35	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.86	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.58	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.87	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	16.89	4.90
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	19.13	5.16
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	20.60	5.34
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	22.77	5.56
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	84.99	9.79
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	87.12	10.30
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	64.71	10.68
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	73.89	7.34
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	76.21	7.72
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	102.34	8.00
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	173.47	8.34
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.33	1.72
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.53	1.72
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.38	2.03
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	14.12	2.03
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.63	2.50
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	20.15	2.50
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	93.77	19.57
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	105.08	19.57
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	214.31	20.60
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	391.83	21.35
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	108.41	19.57
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	255.60	20.60
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	662.59	21.35
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	123.41	19.57
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	113.98	20.60
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	141.00	21.35
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	117.85	19.40
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	125.36	19.01
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	135.99	19.92
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	190.18	20.83
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	212.73	23.17
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	610.17	24.48
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	625.28	26.04

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,594.92	843.14
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	10,364.37	983.66
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	11,083.94	1,053.92
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	12,305.05	1,124.18
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	13,497.85	1,194.44
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	15,722.80	1,334.96
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,947.88	1,475.49
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	18,713.28	1,545.75
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	19,785.41	1,616.01
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	25,665.92	1,756.54
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	26,731.61	1,826.80
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	28,144.64	2,008.70
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	29,313.22	2,157.49
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	31,597.51	2,306.29
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	34,017.55	2,529.48
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	36,204.19	2,603.87
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	37,926.46	2,678.27
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	40,475.81	2,752.66
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	43,025.91	2,827.07
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	46,031.37	2,975.86
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	49,140.98	3,124.65
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	52,176.19	3,199.05
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	57,628.40	3,273.44
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	62,062.19	3,422.23
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	63,564.91	3,571.03
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	69,693.42	3,794.22
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	72,025.30	4,017.40
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	74,505.99	4,240.60
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	78,972.17	4,463.78
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	80,971.28	4,612.57
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	83,587.15	4,910.17
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	86,443.81	5,207.75
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	94,234.63	5,505.34
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	99,295.98	5,802.92

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	8,446.33	772.88
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,871.93	843.14
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	9,297.53	913.40
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,724.25	983.66
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	10,226.53	1,053.92
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,577.65	1,124.18
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	11,003.25	1,194.44
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,641.65	1,264.70
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	12,248.25	1,334.96
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	12,588.73	1,405.23
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	13,533.74	1,475.49
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	14,440.52	1,545.75
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	16,094.33	1,616.01
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	17,211.72	1,686.28
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	18,122.90	1,756.54
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	19,597.65	1,826.80
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	21,422.11	2,008.70
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	22,975.38	2,157.49
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	24,688.08	2,306.29
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	26,390.15	2,529.48
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	28,102.85	2,678.27
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	29,740.83	2,827.07
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	32,122.77	2,901.46
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	34,207.71	2,975.86
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	36,207.53	3,124.65
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	38,292.47	3,124.65
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	41,890.05	3,199.05
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	43,791.01	3,273.44
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	46,270.63	3,422.23
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	48,068.62	3,496.64
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	49,874.20	3,571.03
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	51,259.59	3,794.22
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	53,726.10	4,017.40
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	62,288.90	4,240.60
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	68,266.84	4,463.78
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	70,824.91	4,612.57
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	73,708.09	4,910.17
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	76,591.29	5,207.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	84,698.46	5,505.34
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	89,975.23	5,802.92
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	92,220.03	5,951.72
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	94,464.81	6,100.51
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	95,059.98	6,323.69
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	101,975.15	6,472.49
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	106,613.52	6,695.68
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	114,485.44	7,142.05
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	123,590.11	7,886.02
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	134,161.92	8,778.78
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	142,033.86	9,671.53

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,848.87	562.09
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,687.91	748.70
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,626.33	843.00
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,502.22	889.93
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	20,366.22	1,030.46
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	23,528.24	1,124.04
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	31,647.73	1,311.36
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	43,779.89	1,498.82
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	53,411.02	1,639.34
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	76,818.10	1,920.24
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	84,617.20	2,060.77

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	40,381.41	1,217.77
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	42,309.87	1,311.36
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	47,327.05	1,498.82
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	51,183.96	1,686.14
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	56,730.80	1,826.65
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	64,804.99	1,920.24
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	77,710.25	2,060.77

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	79,325.67	2,248.09
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	91,703.48	2,341.81
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	106,133.10	2,435.53

23 52 16 13-0025 AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*

23 52 16 13-0026	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	51,079.20	1,920.24
23 52 16 13-0027	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	60,487.98	2,060.77
23 52 16 13-0028	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	86,583.47	2,295.02
23 52 16 13-0029	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	92,165.25	2,295.02

23 52 16 13-0030 Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)*

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0031	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	9,118.94	608.88
23 52 16 13-0032	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,413.25	702.61
23 52 16 13-0033	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,695.56	843.00
23 52 16 13-0034	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	13,024.12	936.73
23 52 16 13-0035	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	16,310.89	1,030.46
23 52 16 13-0036	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	21,198.04	1,124.04
23 52 16 13-0037	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	25,400.70	1,217.77
23 52 16 13-0038	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	28,177.32	1,311.36
23 52 16 13-0039	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	30,597.42	1,405.09
23 52 16 13-0040	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	33,298.57	1,592.41
23 52 16 13-0041	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	47,094.86	1,686.14
23 52 16 13-0042	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	62,470.91	1,967.18

23 52 16 13-0043 Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,640.58	843.00
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	16,271.65	936.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0046		Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	18,486.56	1,077.24
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,927.28	1,124.04
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	28,048.95	1,217.77
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	33,528.45	1,264.56
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	40,896.91	1,358.29
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	51,764.95	1,592.12
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	53,526.97	1,826.65
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	58,648.56	1,943.43
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	63,770.16	2,060.77
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	74,680.06	2,154.49
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	82,666.16	2,248.09
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	101,350.27	2,341.81
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	111,903.37	2,435.39
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	137,055.05	2,528.98
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	48,594.90	1,920.24
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	74,321.41	2,295.02
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	25,540.90	1,358.29
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	30,739.31	1,686.14
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	51,662.95	2,060.77
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	88,073.29	2,435.53
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	37,293.45	1,779.72
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	60,876.55	2,060.77
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	90,033.62	2,435.53
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,772.33	608.88
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,685.74	702.61
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,950.47	843.00
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	12,285.46	936.73
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	15,868.89	1,077.24
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	21,374.19	1,030.46
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	24,029.14	1,170.97
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	27,278.19	1,405.09
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	40,184.98	1,592.41
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	41,988.92	1,686.14
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	64,819.83	1,920.24
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	70,182.80	2,060.77
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	82,629.48	2,248.09
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	95,752.26	2,295.02
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	108,858.51	2,435.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0018		**Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,408.18	562.09
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,444.81	655.68
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,619.48	796.20
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,451.54	889.93
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	402.59	140.52
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	503.63	140.52
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	989.80	140.52
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,705.87	1,030.46
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	13,034.44	1,077.24
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	24,441.46	1,264.56
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,914.98	1,264.56
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,098.57	1,358.29
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,572.09	1,358.29
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,842.62	1,592.41
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,687.79	1,686.14
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,863.36	1,779.72
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	42,474.72	1,779.72
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,756.03	1,826.65
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	51,367.39	1,826.65
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	792.22	140.52
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	14,930.76	1,030.46
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	17,340.07	1,124.04
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	21,572.17	1,241.09
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	24,735.02	1,358.29
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	29,474.33	1,498.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	32,531.72	1,639.34
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	524.92	70.26
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	301.60	70.26
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	414.36	70.26
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	833.16	70.26

23 52 16 19 Copper Water-Tube Condensing Boilers *(23 52 16)*

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	46,703.38	1,779.72
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	52,634.26	1,967.18
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	57,539.20	2,060.77
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	62,049.39	2,154.49

23 52 16 23 Cast Iron Condensing Boilers *(23 52 16)*

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*
Note: Rated by gross rated output.

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	16,605.26	889.93
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	24,193.57	1,124.04
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	39,435.92	1,311.36
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	51,741.79	1,686.14
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	68,797.98	1,967.18
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	74,992.19	2,060.77
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	95,207.00	2,248.09
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	103,961.81	2,295.02

23 52 23 Cast-Iron Boilers *(23 52)*

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*
Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	20,474.26	4,451.09
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	22,211.49	4,747.84
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	24,098.50	5,044.57
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	25,864.11	5,341.31
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	27,506.31	5,638.06
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	29,697.83	5,934.79
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	31,426.28	6,231.53
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	32,830.36	6,528.28
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	34,229.71	6,825.01
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	35,821.82	7,121.75

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	12,646.43	595.17
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	13,997.04	595.17
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	16,095.06	743.96
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	17,472.21	743.96
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	19,325.81	892.75
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	21,147.10	892.75
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	23,084.50	1,041.55
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	24,697.87	1,190.34
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	25,713.27	1,190.34
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	27,512.40	1,339.13

23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*
Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	21,263.39	4,451.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,141.70	4,747.84
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,943.50	5,044.57
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,938.17	5,341.31
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,609.70	5,638.06
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,980.00	5,934.79
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,526.88	6,231.53
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	34,035.71	6,528.28
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	35,436.46	6,825.01
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	37,066.27	7,121.75
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,435.57	595.17
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,927.25	595.17
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,940.07	743.96
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,546.27	743.96
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	20,429.20	892.75
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	22,429.27	892.75
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	24,185.10	1,041.55
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,903.22	1,190.34
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,920.02	1,190.34
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	28,756.86	1,339.13
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	32,252.30	6,676.64
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	35,343.58	7,084.66
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	39,119.38	7,492.68
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	42,471.29	7,900.69
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	45,413.77	8,308.71
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	49,582.28	8,716.72
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	52,550.14	9,124.75
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	55,200.48	9,532.76
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	58,667.36	9,940.78
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	61,497.50	10,348.79
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	66,616.64	10,756.81
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	69,319.87	11,164.82
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	72,173.79	11,572.85
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	75,329.99	11,980.86
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	77,937.28	12,388.88
23 52 23 00-0063		Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	23,104.06	1,041.55
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	26,213.29	1,190.34
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	30,023.67	1,339.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	33,380.11	1,487.92
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	35,743.33	1,487.92
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	39,933.59	1,636.73
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	42,326.13	1,636.73
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	44,994.02	1,785.52
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	47,886.58	1,785.52
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	50,734.68	1,934.31
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	53,497.51	2,083.10
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	55,626.08	2,083.10
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	58,499.25	2,231.90
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	61,078.95	2,231.90
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	63,734.19	2,380.69
23 52 23 00-0079		**Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	33,224.41	6,676.64
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	36,310.10	7,084.66
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	40,337.30	7,492.68
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	43,812.13	7,900.69
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	46,617.73	8,308.71
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	50,710.81	8,716.72
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	54,244.33	9,124.75
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	56,894.68	9,532.76
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	60,328.04	9,940.78
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	63,871.89	10,348.79
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	69,111.15	10,756.81
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	72,653.80	11,164.82
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	74,666.90	11,572.85
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	77,747.68	11,980.86
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	80,381.50	12,388.88
23 52 23 00-0095		**Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	24,076.16	1,041.55
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	27,179.80	1,190.34
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	31,227.62	1,339.13
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	34,720.95	1,487.92
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	36,950.08	1,487.92
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	41,062.12	1,636.73
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	44,020.33	1,636.73
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	46,688.21	1,785.52
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	49,547.26	1,785.52
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	53,116.05	1,934.31
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	55,992.01	2,083.10
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	57,563.30	2,083.10
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	60,992.36	2,231.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	63,496.64	2,231.90
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	66,150.48	2,380.69
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	83,287.88	12,982.35
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	90,024.48	13,724.20
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	96,209.46	14,466.06
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	102,272.09	15,207.91
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	108,389.10	15,949.75
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	116,692.76	16,691.60
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	122,477.31	17,433.45
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	128,086.59	18,175.30
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	136,983.65	18,917.15
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	142,589.86	19,659.00
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	147,450.51	20,400.85
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	156,050.34	21,142.70
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	161,699.63	21,884.54
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	170,490.41	22,626.39
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	176,417.67	23,368.25
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	182,869.65	24,110.10
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	188,462.63	24,851.94
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	194,205.61	25,593.79
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	69,632.03	1,934.31
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	75,921.53	2,083.10
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	81,655.14	2,231.90
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	87,271.38	2,380.69
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	92,341.40	2,380.69
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	97,826.56	2,529.48
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	102,565.56	2,529.48
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	107,725.07	2,678.27
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	115,578.71	2,678.27
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	120,736.82	2,827.07
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	124,552.61	2,827.07
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	132,706.81	2,975.86
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	137,310.33	2,975.86
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	145,676.84	3,124.65
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	150,533.16	3,124.65
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	156,533.56	3,273.44
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	161,082.62	3,273.44
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	166,376.19	3,422.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894)	79,120.13	12,982.35
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994)	85,856.72	13,724.20
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094)	93,971.95	14,466.06
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194)	99,530.37	15,207.91
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294)	105,303.79	15,949.75
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394)	113,223.36	16,691.60
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494)	119,267.69	17,433.45
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594)	124,879.76	18,175.30
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694)	134,774.07	18,917.15
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794)	140,381.68	19,659.00
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894)	145,986.76	20,400.85
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994)	156,060.11	21,142.70
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094)	161,709.41	21,884.54
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194)	170,725.05	22,626.39
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294)	176,650.92	23,368.25
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394)	182,982.78	24,110.10
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494)	188,575.76	24,851.94
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594)	194,327.13	25,593.79
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)	65,238.01	1,934.31
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)	71,527.51	2,083.10
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)	79,191.36	2,231.90
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)	84,303.39	2,380.69
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)	89,029.83	2,380.69
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)	94,130.89	2,529.48
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)	99,129.68	2,529.48
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)	104,289.19	2,678.27
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)	113,142.87	2,678.27
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)	118,299.58	2,827.07
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)	122,862.60	2,827.07
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)	132,490.32	2,975.86
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)	137,093.84	2,975.86
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)	145,657.28	3,124.65
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)	150,540.15	3,124.65
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)	156,420.43	3,273.44
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)	160,969.48	3,273.44
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)	166,271.44	3,422.23
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)	84,597.99	12,982.35
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)	91,335.98	13,724.20
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)	97,878.52	14,466.06
		Note: Includes field assembly of individual sections and testing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	104,082.21	15,207.91
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	110,167.10	15,949.75
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	117,349.21	16,691.60
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	124,657.56	17,433.45
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	130,610.42	18,175.30
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	139,726.77	18,917.15
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	145,332.98	19,659.00
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	150,291.39	20,400.85
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	158,986.20	21,142.70
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	166,032.20	21,884.54
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	175,571.60	22,626.39
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	181,456.96	23,368.25
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	188,168.73	24,110.10
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	193,763.10	24,851.94
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	199,510.28	25,593.79

23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	71,044.09	1,934.31
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	77,334.99	2,083.10
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	83,430.34	2,231.90
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	89,184.86	2,380.69
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	94,222.76	2,380.69
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	98,584.97	2,529.48
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	104,847.77	2,529.48
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	110,349.47	2,678.27
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	118,425.19	2,678.27
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	123,580.50	2,827.07
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	127,495.45	2,827.07
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	135,744.63	2,975.86
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	141,746.25	2,975.86
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	150,833.45	3,124.65
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	155,675.81	3,124.65
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	161,934.60	3,273.44
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	166,485.05	3,273.44
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	171,784.22	3,422.23

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Package Oil Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0002	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,007.94	1,190.34
		For Steam System, Add	*2,725.45*	
23 52 33 16-0003	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,553.29	1,339.13
		For Steam System, Add	*2,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0004	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,098.64	1,487.92
		For Steam System, Add	*2,824.56*	
23 52 33 16-0005	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,036.46	1,636.73
		For Steam System, Add	*2,952.60*	
23 52 33 16-0006	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,982.21	1,785.52
		For Steam System, Add	*3,082.24*	
23 52 33 16-0007	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,568.18	1,934.31
		For Steam System, Add	*3,339.91*	
23 52 33 16-0008	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,584.16	2,008.70
		For Steam System, Add	*3,513.35*	
23 52 33 16-0009	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,600.15	2,083.10
		For Steam System, Add	*3,686.79*	
23 52 33 16-0010	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	24,483.44	2,231.90
		For Steam System, Add	*4,003.93*	
23 52 33 16-0011	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	26,366.75	2,380.69
		For Steam System, Add	*4,321.08*	
23 52 33 16-0012	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,745.86	2,678.27
		For Steam System, Add	*4,677.86*	
23 52 33 16-0013	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	30,926.75	2,975.86
		For Steam System, Add	*4,995.01*	
23 52 33 16-0014	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	33,999.32	3,124.65
		For Steam System, Add	*5,550.01*	
23 52 33 16-0015	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	35,882.62	3,273.44
		For Steam System, Add	*5,867.15*	
23 52 33 16-0016	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	38,558.80	3,422.23
		For Steam System, Add	*6,342.86*	
23 52 33 16-0017	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	42,820.66	3,571.03
		For Steam System, Add	*7,135.72*	
23 52 33 16-0018	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	45,992.62	3,868.61
		For Steam System, Add	*7,651.08*	
23 52 33 16-0019	EA	3,100 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	49,164.61	4,166.20
		For Steam System, Add	*8,166.44*	
23 52 33 16-0020	EA	3,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	52,534.76	4,463.78
		For Steam System, Add	*8,721.44*	
23 52 33 16-0021	EA	4,300 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	58,006.01	4,761.37
		For Steam System, Add	*9,696.65*	
23 52 33 16-0022	EA	5,160 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	60,464.39	5,058.96
		For Steam System, Add	*10,069.30*	

23 52 33 16-0023 Package Gas Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0024	EA	200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,675.57	1,190.34
		For Steam System, Add	*2,658.98*	
		For LP Gas Burner, Add	*664.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0025	EA	285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,214.87	1,339.13
		For Steam System, Add	*2,707.32*	
		For LP Gas Burner, Add	*676.83*	
23 52 33 16-0026	EA	350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,754.18	1,487.92
		For Steam System, Add	*2,755.66*	
		For LP Gas Burner, Add	*688.92*	
23 52 33 16-0027	EA	430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,680.25	1,636.73
		For Steam System, Add	*2,881.36*	
		For LP Gas Burner, Add	*720.34*	
23 52 33 16-0028	EA	520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,606.33	1,785.52
		For Steam System, Add	*3,007.06*	
		For LP Gas Burner, Add	*751.77*	
23 52 33 16-0029	EA	600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,160.87	1,934.31
		For Steam System, Add	*3,258.45*	
		For LP Gas Burner, Add	*814.61*	
23 52 33 16-0030	EA	680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,155.70	2,008.70
		For Steam System, Add	*3,427.66*	
		For LP Gas Burner, Add	*856.92*	
23 52 33 16-0031	EA	770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,150.54	2,083.10
		For Steam System, Add	*3,596.87*	
		For LP Gas Burner, Add	*899.22*	
23 52 33 16-0032	EA	860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,995.16	2,231.90
		For Steam System, Add	*3,906.28*	
		For LP Gas Burner, Add	*976.57*	
23 52 33 16-0033	EA	1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,839.79	2,380.69
		For Steam System, Add	*4,215.68*	
		For LP Gas Burner, Add	*1,053.92*	
23 52 33 16-0034	EA	1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,175.39	2,678.27
		For Steam System, Add	*4,563.77*	
		For LP Gas Burner, Add	*1,140.94*	
23 52 33 16-0035	EA	1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	30,317.60	2,975.86
		For Steam System, Add	*4,873.18*	
		For LP Gas Burner, Add	*1,218.29*	
23 52 33 16-0036	EA	1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	33,322.49	3,124.65
		For Steam System, Add	*5,414.64*	
		For LP Gas Burner, Add	*1,353.66*	
23 52 33 16-0037	EA	2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	35,167.11	3,273.44
		For Steam System, Add	*5,724.05*	
		For LP Gas Burner, Add	*1,431.01*	
23 52 33 16-0038	EA	2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	37,785.28	3,422.23
		For Steam System, Add	*6,188.16*	
		For LP Gas Burner, Add	*1,547.04*	
23 52 33 16-0039	EA	2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	41,950.45	3,571.03
		For Steam System, Add	*6,961.68*	
		For LP Gas Burner, Add	*1,740.42*	
23 52 33 16-0040	EA	2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	45,059.56	3,868.61
		For Steam System, Add	*7,464.47*	
		For LP Gas Burner, Add	*1,866.12*	
23 52 33 16-0041	EA	3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	48,168.70	4,166.20
		For Steam System, Add	*7,967.26*	
		For LP Gas Burner, Add	*1,991.81*	
23 52 33 16-0042	EA	3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	51,471.17	4,463.78
		For Steam System, Add	*8,508.72*	
		For LP Gas Burner, Add	*2,127.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0043	EA	4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	55,663.21	4,761.37
		For Steam System, Add	*9,228.09*	
		For LP Gas Burner, Add	*2,307.02*	
23 52 33 16-0044	EA	5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	58,076.15	5,058.96
		For Steam System, Add	*9,591.65*	
		For LP Gas Burner, Add	*2,397.91*	

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	92,936.36	3,571.03
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	97,203.71	3,868.61
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	101,804.82	4,166.20
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	110,078.06	4,463.78
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	115,012.96	4,761.37
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	119,864.60	5,058.96
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	133,245.38	5,356.55
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	154,115.01	5,951.72
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	175,335.25	6,546.88
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	192,364.22	7,216.46
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	209,393.38	7,886.02
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	220,417.63	9,225.16
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	268,413.25	10,564.29
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	317,577.25	11,903.43
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	367,289.31	13,391.35
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	415,756.57	14,507.30

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,199.63	1,636.73
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,883.15	1,785.52
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,761.57	1,934.31
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,782.69	2,231.90
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,151.83	2,380.69
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,627.50	2,529.48
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,700.49	2,603.87
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,371.71	2,678.27
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,497.42	2,975.86
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,133.92	3,273.44
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	152,619.27	3,608.23
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	166,101.56	3,943.01
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,482.37	4,612.57
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	213,214.48	5,282.14
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	230,969.55	5,951.72
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	271,703.32	6,621.29
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	329,531.93	7,290.85
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	385,176.47	7,960.42
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	438,444.76	8,629.99
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	489,601.29	9,299.55
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	759,518.37	9,969.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	826,276.56	10,638.69
23 52 39 13-0025		**15 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,844.16	1,636.73
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,124.58	1,785.52
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,502.26	1,934.31
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,788.23	2,231.90
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,619.90	2,380.69
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,444.61	2,529.48
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,981.63	2,603.87
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,991.50	2,678.27
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,610.92	2,975.86
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,257.44	3,273.44
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	152,756.14	3,608.23
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	166,251.78	3,943.01
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,639.27	4,612.57
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	213,408.10	5,282.14
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	231,176.52	5,951.72
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	271,950.36	6,621.29
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	329,832.38	7,290.85
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	385,530.33	7,960.42
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	438,848.70	8,629.99
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	490,055.30	9,299.55
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	760,236.06	9,969.12
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	827,061.69	10,638.69
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	76,543.62	1,636.73
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,403.56	1,785.52
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,495.64	1,934.31
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,181.08	2,231.90
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,276.47	2,380.69
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,364.90	2,529.48
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,162.31	2,603.87
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,960.74	2,678.27
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	127,224.45	2,975.86
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	144,515.26	3,273.44
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,521.38	3,608.23
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,521.11	3,943.01
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,189.02	4,612.57
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	221,420.02	5,282.14
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	239,816.04	5,951.72
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	282,178.91	6,621.29
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	342,361.02	7,290.85
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	400,265.58	7,960.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	455,697.10	8,629.99
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	508,923.37	9,299.55
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	790,253.73	9,969.12
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	859,747.81	10,638.69
23 52 39 13-0071		125 PSI Water Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	87,744.84	1,785.52
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,425.59	1,934.31
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,835.08	2,231.90
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,756.17	2,380.69
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,840.54	2,529.48
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	128,245.17	2,603.87
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	138,002.46	2,678.27
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,118.87	2,975.86
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	161,497.19	3,273.44
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	171,867.91	3,608.23
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	178,072.70	3,943.01
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	215,468.53	4,612.57
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	250,817.09	5,282.14
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	270,508.37	5,951.72
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	301,798.10	6,621.29
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	365,238.39	7,290.85
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	427,168.94	7,960.42
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	486,456.19	8,629.99
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	543,374.62	9,299.55
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	845,058.14	9,969.12
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	919,426.72	10,638.69
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,362.01	1,785.52
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,241.57	1,934.31
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,286.47	2,231.90
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,459.78	2,380.69
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,622.78	2,529.48
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,494.76	2,603.87
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,897.84	2,678.27
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,255.74	2,975.86
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	161,644.08	3,273.44
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	172,024.81	3,608.23
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	178,236.28	3,943.01
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	215,665.49	4,612.57
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	251,047.43	5,282.14
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	270,755.40	5,951.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	302,075.18	6,621.29
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	365,575.56	7,290.85
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	427,566.20	7,960.42
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	486,910.20	8,629.99
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	543,882.05	9,299.55
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	845,862.53	9,969.12
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	920,303.36	10,638.69
23 52 39 13-0116		125 PSI Gas/Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,535.66	1,785.52
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	101,563.59	1,934.31
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,857.73	2,231.90
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,561.83	2,380.69
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,258.96	2,529.48
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,665.07	2,603.87
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	140,072.20	2,678.27
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	153,937.52	2,975.86
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	167,833.28	3,273.44
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	178,591.24	3,608.23
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	185,006.35	3,943.01
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,884.38	4,612.57
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	260,628.35	5,282.14
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	281,044.05	5,951.72
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	313,558.93	6,621.29
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	379,596.42	7,290.85
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	444,054.07	7,960.42
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	505,761.58	8,629.99
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	564,993.45	9,299.55
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	879,449.38	9,969.12
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	956,871.75	10,638.69
23 52 39 13-0138		150 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		150 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,705.61	1,785.52
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,466.84	1,934.31
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,339.22	2,231.90
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,840.04	2,380.69
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	126,480.78	2,529.48
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,388.35	2,603.87
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,671.97	2,678.27
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,680.12	2,975.86
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,943.51	3,273.44
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	194,074.28	3,608.23
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	211,201.99	3,943.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	222,592.46	4,612.57
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	270,843.55	5,282.14
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	293,090.82	5,951.72
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	345,276.12	6,621.29
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	419,656.02	7,290.85
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	491,164.16	7,960.42
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	559,625.05	8,629.99
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	625,323.21	9,299.55
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	975,417.31	9,969.12
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,061,365.24	10,638.69
23 52 39 13-0161		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,217.81	1,785.52
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,331.40	1,934.31
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,443.42	2,231.90
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	116,249.88	2,380.69
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,046.03	2,529.48
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,551.16	2,603.87
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	134,574.02	2,678.27
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,823.66	2,975.86
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,107.08	3,273.44
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	194,254.55	3,608.23
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	211,398.95	3,943.01
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	222,796.10	4,612.57
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	271,093.92	5,282.14
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	293,361.22	5,951.72
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	345,596.60	6,621.29
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	420,046.60	7,290.85
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	491,624.84	7,960.42
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	560,149.16	8,629.99
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	625,910.75	9,299.55
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	976,351.75	9,969.12
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,062,386.38	10,638.69
23 52 39 13-0183		**150 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,980.48	1,785.52
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,022.13	1,934.31
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,755.79	2,231.90
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,902.75	2,380.69
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,039.41	2,529.48
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	134,888.38	2,603.87
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,735.04	2,678.27
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	161,822.59	2,975.86
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,940.58	3,273.44
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,745.69	3,608.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,551.08	3,943.01
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	231,312.10	4,612.57
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	281,509.42	5,282.14
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	304,591.26	5,951.72
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	358,893.04	6,621.29
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	436,337.50	7,290.85
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	510,780.01	7,960.42
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	582,051.75	8,629.99
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	650,440.58	9,299.55
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,015,371.84	9,969.12
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,104,874.49	10,638.69

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,842.18	1,756.00
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,545.61	2,068.76
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,142.24	2,141.23
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,439.47	2,219.80
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,999.10	2,372.35
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	15,434.20	2,570.69
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	17,344.63	2,746.14
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	19,872.84	3,127.54
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,831.05	3,356.39
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	23,505.76	3,585.23

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,453.43	1,497.11
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,978.49	1,756.00
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,274.60	2,068.76
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,221.32	2,141.23
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,469.22	2,219.80
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	16,124.38	2,372.35
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,742.67	2,570.69
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	21,332.67	2,746.14
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	23,422.99	2,940.81
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	25,187.11	3,127.54
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	26,944.61	3,356.39
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	29,063.58	3,585.23

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	13,151.31	2,068.76
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	17,000.15	2,370.06
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	22,253.93	2,712.57
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	26,712.94	3,129.07
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,365.63	3,356.39
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	29,949.29	3,585.23
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	33,391.93	4,119.36
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	42,924.39	4,729.76
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	55,430.63	5,465.12
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	69,930.50	6,273.39
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	89,220.93	7,217.76

23 53 16 00-0038 Duplex Vacuum Condensate Pumps *(23 53 16)*

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,604.50	1,220.50
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,402.69	1,296.78
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	36,318.25	1,373.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	35,114.79	1,449.35
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	47,540.18	1,525.63
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	50,040.44	1,601.91

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,309.86	130.20
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,727.16	162.74
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,229.00	195.29

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,309.86	130.20
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,563.43	146.47
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,709.54	162.74
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,792.26	179.02
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,229.00	195.29

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	257.13	40.06
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	292.53	44.07
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	317.37	48.08
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	421.47	52.09
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	455.11	56.09

23 54 16 Fuel-Fired Furnaces *(23 54)*

23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,026.84	113.92
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,162.38	130.20
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,493.45	146.47
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,917.79	179.02
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,114.99	195.29

23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,252.28	113.92
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,468.86	130.20
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,621.62	146.47
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,224.98	162.74
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,095.69	179.02
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,266.47	195.29

23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,988.00	113.92
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,282.08	130.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,482.73	162.74
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,653.51	179.02
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,597.51	113.92
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,740.12	130.20
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,051.81	146.47
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,340.53	179.02
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,581.76	195.29
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,811.93	113.92
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,914.02	130.20
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,135.88	146.47
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,153.50	146.47
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,350.69	162.74
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,480.97	179.02
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,632.36	195.29
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,271.18	113.92
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,392.65	130.20
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,591.61	146.47
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,593.37	146.47
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,750.06	162.74
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,801.06	179.02
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,000.02	195.29
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,288.79	113.92
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,397.93	130.20
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,670.87	146.47
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,839.89	162.74
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,153.65	97.64
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,489.08	122.12
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,951.09	97.64
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,085.80	105.85
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,070.79	113.92
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,135.13	122.12
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,209.24	122.12
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,465.81	130.20
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,699.85	179.02
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,272.17	211.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	4,027.47	179.02
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,073.13	211.56
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,492.01	179.02
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,145.34	211.56
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	223.22	32.55
23 54 19 00-0002	EA	1" Furnace External Filter Rack	67.68	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	602.74	
23 55		**Fuel-Fired Heaters** *(23 50)*		
23 55 23		**Gas-Fired Radiant Heaters** *(23 55)*		
23 55 23 13		**Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)*		
23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)* Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,091.79	152.56
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,219.18	167.82
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,296.09	167.82
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,619.39	201.38
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,632.35	201.38
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,167.89	143.22
		For Stainless Steel Housing, Add	*183.48*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,246.93	143.22
		For Stainless Steel Housing, Add	*203.24*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,337.26	143.22
		For Stainless Steel Housing, Add	*225.82*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,445.85	143.22
		For Stainless Steel Housing, Add	*252.97*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,576.70	156.23
		For Stainless Steel Housing, Add	*281.88*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,683.37	169.25
		For Stainless Steel Housing, Add	*303.56*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,689.57	182.27
		For Stainless Steel Housing, Add	*542.08*	
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	101.89	7.63
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	117.76	9.16
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	143.37	10.68
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	83.03	6.10
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	105.28	7.63
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	127.50	9.16
23 55 23 13-0025		Tube Type, High Efficiency (Condensing) Infrared Overhead Heating System - Radiant Heating for Total Heating or Spot Locations, Ceiling Hung Units *(23 55 23 13)* Note: Model CRV-B, (CORAYVAC® B Series) System as manufactured by Roberts Gordon LLC. Excludes beam clamps, hanger chain/rod, air intake/exhaust piping and shipping.		
23 55 23 13-0026		Burner Unit Packages *(23 55 23 13-0025)* Note: Natural or LP		
23 55 23 13-0027	EA	20,000 BTU/H Input, Model CRV B-2, Natural Gas Only (CORAYVAC® 0270002NG) Note: Includes filter and flexible gas line with shut-off.	1,701.33	101.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0028	EA	40 To 120 MBTU/H Models; CRV B-4, 6, 8, 9, 10, 12A (Natural Gas Only), CRV B-12 (LP Gas Only) (CORAYVAC® 02700xxNG Or LP)	1,479.10	101.72
		Note: Includes filter and flexible gas line with shut-off.		
23 55 23 13-0029	EA	Combustion Chamber, Hot Rolled Steel (CORAYVAC® 02722300-1P)	267.78	50.85
23 55 23 13-0030	EA	Combustion Chamber, Heat Treated Aluminized Steel (CORAYVAC® 02722301-1P)	278.35	50.85
23 55 23 13-0031	EA	Combustion Chamber, Double Porcelain Coated Steel (CORAYVAC® 0272230D-1P)	385.95	50.85
23 55 23 13-0032	EA	Outside Air Filter Housing (CORAYVAC® 01326801)	99.87	38.14
		Note: Order one per burner if outside air supply is required.		
23 55 23 13-0033	EA	Outside Air Pressure Switch (CORAYVAC® 90434501)	182.10	76.28
		Note: For non-pressurized outside air supply.		
23 55 23 13-0034	EA	Outside Air Blower (CORAYVAC® 90707501)	1,425.03	305.13
23 55 23 13-0035	EA	Outside Air Blower Mounting Kit (CORAYVAC® 01316000)	222.00	114.42
23 55 23 13-0036		**Radiant Tubing and Fittings** *(23 55 23 13-0025)*		
23 55 23 13-0037	LF	4" Tube, Hot Rolled Steel, 16 Gauge (CORAYVAC® 91409300)	16.02	6.36
23 55 23 13-0038	LF	4" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® 91409408)	22.23	6.36
23 55 23 13-0039	LF	4" Tube, Double Porcelain Coated, 16 Gauge (CORAYVAC® 9141030D)	37.93	6.36
23 55 23 13-0040	LF	6" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® E0009105)	38.28	6.36
23 55 23 13-0041	EA	4" Elbow, Aluminized (CORAYVAC® 01335801)	128.45	50.85
23 55 23 13-0042	EA	4" Elbow, Porcelain Coated (CORAYVAC® 0133580D)	179.59	50.85
23 55 23 13-0043	EA	6" Elbow, Aluminized (CORAYVAC® T0100320)	313.62	50.85
23 55 23 13-0044	EA	4" Tee, Hot Rolled (CORAYVAC® 02718600)	333.03	50.85
23 55 23 13-0045	EA	4" Tee, Aluminized (CORAYVAC® 02718603)	348.90	50.85
23 55 23 13-0046	EA	6" Tee, Aluminized (CORAYVAC® 01330204)	333.03	50.85
23 55 23 13-0047	EA	4" Tee, Double Porcelain Coated (CORAYVAC® 02718602)	373.60	50.85
23 55 23 13-0048	EA	4" Cross, Aluminized (CORAYVAC® 01330903)	356.34	63.57
23 55 23 13-0049	EA	6" Cross, Aluminized (CORAYVAC® 01330904)	516.81	63.57
23 55 23 13-0050	EA	4" Cross, Double Porcelain Coated (CORAYVAC® 0133092D)	347.51	63.57
23 55 23 13-0051	EA	4" Coupling, Plain (CORAYVAC® 01312700)	62.08	12.70
23 55 23 13-0052	EA	6" Coupling, Plain (CORAYVAC® 01312706)	76.19	12.70
23 55 23 13-0053	EA	4" Coupling, Lined (CORAYVAC® 0131270I)	70.89	12.70
23 55 23 13-0054	EA	4" Coupling, Damper (CORAYVAC® 01331900)	208.56	76.28
23 55 23 13-0055	EA	6" Coupling, Damper (CORAYVAC® E0009356)	212.07	76.28
23 55 23 13-0056	EA	4" To 6" Aluminized Adapter (CORAYVAC® 91418200)	170.06	25.43
23 55 23 13-0057	EA	4" U-Tube Assembly, Plain (CORAYVAC® 03011000)	368.30	50.85
		Note: Includes U tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		
23 55 23 13-0058	EA	4" U-Tube Assembly, Stainless Steel (CORAYVAC® 030110SS)	447.66	50.85
		Note: Includes U tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		
23 55 23 13-0059		**Reflectors, Hangers, Shields and Accessories** *(23 55 23 13-0025)*		
23 55 23 13-0060	LF	Reflector, Aluminum 8' (CORAYVAC® 02750303)	16.48	3.63
		Note: Need 1' overlap per reflector.		
23 55 23 13-0061	LF	Reflector With Burner Mounting Hole, Aluminum (CORAYVAC® 02750304)	19.55	5.44
23 55 23 13-0062	LF	Reflector, Stainless Steel 8' (CORAYVAC® 027503SS)	51.25	3.63
		Note: Need 1' overlap per reflector.		
23 55 23 13-0063	LF	Reflector With Burner Mounting Hole, Stainless Steel (CORAYVAC® 027503SH)	64.89	5.44
23 55 23 13-0064	LF	Reflector Side Extensions, Aluminum, 8' (CORAYVAC® 02712700)	19.14	9.07
23 55 23 13-0065	LF	Reflector Side Extensions, Stainless Steel, 8' (CORAYVAC® 027127SS)	58.45	9.07
23 55 23 13-0066	LF	Reflector Side Extension Brackets (CORAYVAC® 01329910)	6.89	3.63
		Note: Two needed per reflector side extension.		
23 55 23 13-0067	EA	End Cap, Reflector, Aluminum (CORAYVAC® 02750800)	21.51	12.70
23 55 23 13-0068	EA	End Cap, Reflector, Stainless Steel (CORAYVAC® 027508SS)	58.57	12.70
23 55 23 13-0069	EA	Joint, Reflector, Aluminum (CORAYVAC® 02750900)	100.60	63.57
		Note: Includes modification to reflector.		
23 55 23 13-0070	EA	Joint, Reflector, Stainless Steel (CORAYVAC® 027509SS)	146.47	63.57
		Note: Includes modification to reflector.		
23 55 23 13-0071	EA	Reflector Support Strap and Wire Form (CORAYVAC® 03050010)	18.22	7.63
		Note: One needed per reflector.		
23 55 23 13-0072	EA	Tube And Reflector Hanger (CORAYVAC® 03090100)	50.49	38.14
		Note: Includes S hook and turnbuckle.		
23 55 23 13-0073	EA	Turnbuckle (CORAYVAC® 91903201)	14.68	7.63
		Note: One needed per tube and reflector hanger and one needed per combustion chamber.		
23 55 23 13-0074		**Vacuum Pump and Accessories** *(23 55 23 13-0025)*		
23 55 23 13-0075	EA	EP-100 Vacuum Pump, 1/3 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02719105)	2,232.78	610.25
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0076	EA	EP-201 Vacuum Pump, 3/4 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02716305)	2,816.54	610.25
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0077	EA	EP-203 Vacuum Pump, 3/4 HP, 208-230/460 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02712034)	3,005.25	610.25
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0078	EA	EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02723014)	4,200.69	661.10
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0079	EA	EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 6" Inlet (CORAYVAC® 02723016)	4,250.07	661.10
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0080	EA	EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02723034)	4,569.28	661.10
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0081	EA	EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 6" Inlet (CORAYVAC® 02723036)	4,615.14	661.10
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0082	EA	Contactor Package For EP-301, 120 Volt AC Coil, 230 Volt AC, 2 HP, 1 Phase (CORAYVAC® 10050009)	893.87	50.85
23 55 23 13-0083	EA	Condensate Valve (CORAYVAC® 01327001)	76.57	25.43
23 55 23 13-0084	EA	Drain Cap 4" (CORAYVAC® 02718851)	73.05	25.43
23 55 23 13-0085	EA	Drain Cap 6" (CORAYVAC® 02718852)	78.35	25.43
23 55 23 13-0086		Controls and Accessories *(23 55 23 13-0025)*		
23 55 23 13-0087	EA	System Control, CORAYVAC® Control Panel (CORAYVAC® 02770002)	1,875.61	152.56
		Note: For up to two complete CORAYVAC® systems totaling up to four heater zones. With pre-purge and post-purge control. Thermostats needed for each zone.		
23 55 23 13-0088	EA	Load Relay Package (CORAYVAC® 05023000)	133.01	25.43
23 55 23 13-0089	EA	Transformer Relay SPST (CORAYVAC® 90417600)	104.79	25.43
		Note: For basic one zone control without control panel. Thermostats needed for each zone.		
23 55 23 13-0090	EA	Transformer Relay DPST (CORAYVAC® 90436300)	175.33	25.43
		Note: For basic two zone control without control panel. Thermostats needed for each zone.		
23 55 23 13-0091	EA	Thermostat 24 Volt (CORAYVAC® 90423000)	837.13	25.43
		Note: Marked 1 to 5.		
23 55 23 13-0092	EA	Thermostat 120 Volt (CORAYVAC® 90439400)	78.35	25.43
		Note: Marked 1 to 5.		
23 55 23 13-0093		ULTRAVAC™ Building Management Controls *(23 55 23 13-0025)*		
		Note: Featuring high-efficiency CORAYVAC® burner with modulation for enhanced fuel savings.		
23 55 23 13-0094	EA	ULTRAVAC™ Central Control, Model URVCCL (CORAYVAC®)	5,160.36	305.13
		Note: Includes windows-based comprehensive building management software, Local Area Computer Network (LAN TCP/IP) interface card, modem and one outdoor sensor.		
23 55 23 13-0095	EA	ULTRAVAC™ Control, Model URVCCM (CORAYVAC®)	4,412.59	305.13
		Note: Includes windows-based comprehensive building management software, modem and one outdoor sensor.		
23 55 23 13-0096	EA	ULTRAVAC™ Control, Model URVCCR (CORAYVAC®)	4,633.06	305.13
		Note: Includes windows-based comprehensive building management software, RS-485 adapter for hardwire communications to remote PC, modem and one outdoor sensor.		
23 55 23 13-0097	EA	ULTRAVAC™ Satellite Controller (CORAYVAC® URVSC)	3,765.36	305.13
23 55 23 13-0098	EA	Enclosure NEMA 4 for ULTRAVAC™ Controller (CORAYVAC® 10080302)	1,984.53	76.28
23 55 23 13-0099	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75115)	3,218.39	114.42
23 55 23 13-0100	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75230)	2,936.21	114.42
23 55 23 13-0101	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD20230)	2,876.26	114.42
23 55 23 13-0102	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75115N4)	4,414.13	114.42
23 55 23 13-0103	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75230N4)	3,392.99	114.42
23 55 23 13-0104	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD75460)	3,209.57	114.42
23 55 23 13-0105	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD75460N4)	3,773.93	114.42
23 55 23 13-0106	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD20230N4)	4,491.73	114.42
23 55 23 13-0107	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD20460)	3,193.71	114.42
23 55 23 13-0108	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD20460N4)	4,500.54	114.42
23 55 23 13-0109	EA	Indoor Zone Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081500)	372.86	25.43
		Note: One required per heating zone.		
23 55 23 13-0110	EA	Outdoor Temperature Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081501)	200.83	114.42
		Note: Can be used for indoor NEMA 4 sensor.		
23 55 23 13-0111		High Efficiency Modulating Radiant Tube Heaters, Non-Condensing *(23 55 23 13-0025)*		
		Note: Natural or LP Gas. Model CTH3, (VANTAGE® Modulating Series) manufactured by Roberts Gordon LLC. Complete heater includes high efficiency fully modulating burner with simultaneous fuel and combustion air modulation for ensured efficiency and proper combustion, heat treated aluminized steel tubing, continuous overlapping reflectors, reflector end caps, 36" flexible gas line and gas shut off, tube clamp, 'S' hooks for each hanger for installation. Exclude beam clamps, hanger chain/rod, and air intake/exhaust piping. For 'U' tube installation or other non-standard installation, use above for fittings and parts. Excludes shipping.		
23 55 23 13-0112	EA	CTH3-80, 20 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-20A)	4,399.84	925.55
23 55 23 13-0113	EA	CTH3-80, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-30A)	4,805.51	925.55
23 55 23 13-0114	EA	CTH3-115, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-30A)	4,759.67	925.55
23 55 23 13-0115	EA	CTH3-115, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-40A)	5,319.36	1,106.08
23 55 23 13-0116	EA	CTH3-150, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-40A)	5,303.49	1,106.08
23 55 23 13-0117	EA	CTH3-150, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-50A)	5,951.37	1,286.61
23 55 23 13-0118	EA	CTH3-200, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-50A)	5,951.37	1,286.61
23 55 23 13-0119	EA	CTH3-200, 60 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-60A)	6,446.31	1,434.10
23 55 23 13-0120	EA	U Tube Package For Even Length Heaters (20, 40 Or 60 FT) (CORAYVAC® 03011000)	368.30	50.85
23 55 23 13-0121	EA	U Tube Package For Odd Length Heaters (30 Or 50 FT) (CORAYVAC® 03011002)	497.79	76.28
23 55 23 13-0122	EA	Elbow Package, Aluminized Steel (CORAYVAC® 02718702)	230.75	50.85
23 55 23 13-0123	EA	Zone Sensor For CTH3 Systems (CORAYVAC® 10081530)	175.33	25.43

23 55 33 Fuel-Fired Unit Heaters *(23 55)*

23 55 33 13 Oil-Fired Unit Heaters *(23 55 33)*

23 55 33 13-0001 Oil Fired Unit Heater *(23 55 33 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 13-0002		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 13-0001)*		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,613.97	702.61
		For 3 Phase, 460 Volt, Add	*671.93*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,111.51	772.88
		For 3 Phase, 460 Volt, Add	*718.01*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,650.05	843.14
		For 3 Phase, 460 Volt, Add	*769.29*	
23 55 33 16		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 16-0001		Gas Fired Unit Heaters *(23 55 33 16)*		
23 55 33 16-0002		Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase *(23 55 33 16-0001)*		
		Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,989.94	263.48
		For 90 Percent Efficiency, Add	*825.11*	
		For Stainless Steel Heat Exchanger, Add	*215.51*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.11*	
		For 60 Degree, Downward Air Deflection Hood, Add	*94.83*	
		For 90 Degree, Downward Air Deflection Hood, Add	*141.62*	
		For 3 Phase, 460 Volt, Add	*317.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,264.59	316.18
		For 90 Percent Efficiency, Add	*881.82*	
		For Stainless Steel Heat Exchanger, Add	*230.33*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.17*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.34*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.36*	
		For 3 Phase, 460 Volt, Add	*339.57*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,316.18	316.18
		For Blower Unit Model, Add	*254.97*	
		For 90 Percent Efficiency, Add	*899.10*	
		For Stainless Steel Heat Exchanger, Add	*234.84*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.41*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.33*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.32*	
		For 3 Phase, 460 Volt, Add	*346.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,615.67	368.87
		For Blower Unit Model, Add	*273.41*	
		For 90 Percent Efficiency, Add	*964.11*	
		For Stainless Steel Heat Exchanger, Add	*251.82*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.07*	
		For 60 Degree, Downward Air Deflection Hood, Add	*110.80*	
		For 90 Degree, Downward Air Deflection Hood, Add	*165.48*	
		For 3 Phase, 460 Volt, Add	*371.26*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,972.89	421.56
		For Blower Unit Model, Add	*297.33*	
		For 90 Percent Efficiency, Add	*1,048.49*	
		For Stainless Steel Heat Exchanger, Add	*273.86*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.12*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.50*	
		For 90 Degree, Downward Air Deflection Hood, Add	*179.96*	
		For 3 Phase, 460 Volt, Add	*403.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,265.04	447.92
		For Blower Unit Model, Add	*320.08*	
		For 90 Percent Efficiency, Add	*1,128.72*	
		For Stainless Steel Heat Exchanger, Add	*294.81*	
		For 30 Degree, Downward Air Deflection Hood, Add	*80.86*	
		For 60 Degree, Downward Air Deflection Hood, Add	*129.72*	
		For 90 Degree, Downward Air Deflection Hood, Add	*193.74*	
		For 3 Phase, 460 Volt, Add	*434.64*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,395.12	447.92
		For Blower Unit Model, Add	*332.44*	
		For 90 Percent Efficiency, Add	*1,172.30*	
		For Stainless Steel Heat Exchanger, Add	*306.20*	
		For 30 Degree, Downward Air Deflection Hood, Add	*83.99*	
		For 60 Degree, Downward Air Deflection Hood, Add	*134.73*	
		For 90 Degree, Downward Air Deflection Hood, Add	*201.21*	
		For 3 Phase, 460 Volt, Add	*451.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,513.91	447.92
		For Blower Unit Model, Add	*343.73*	
		For 90 Percent Efficiency, Add	*1,212.09*	
		For Stainless Steel Heat Exchanger, Add	*316.59*	
		For 30 Degree, Downward Air Deflection Hood, Add	*86.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.05*	
		For 3 Phase, 460 Volt, Add	*466.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,110.54	474.27
		For Blower Unit Model, Add	*395.40*	
		For 90 Percent Efficiency, Add	*1,394.30*	
		For Stainless Steel Heat Exchanger, Add	*364.18*	
		For 30 Degree, Downward Air Deflection Hood, Add	*99.89*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*239.32*	
		For 3 Phase, 460 Volt, Add	*536.91*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,618.41	474.27
		For Blower Unit Model, Add	*443.65*	
		For 90 Percent Efficiency, Add	*1,564.44*	
		For Stainless Steel Heat Exchanger, Add	*408.62*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.08*	
		For 60 Degree, Downward Air Deflection Hood, Add	*179.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*268.52*	
		For 3 Phase, 460 Volt, Add	*602.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,039.57	474.27
		For Blower Unit Model, Add	*483.66*	
		For 90 Percent Efficiency, Add	*1,705.53*	
		For Stainless Steel Heat Exchanger, Add	*445.47*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.01*	
		For 90 Degree, Downward Air Deflection Hood, Add	*292.74*	
		For 3 Phase, 460 Volt, Add	*656.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,231.09	526.96
		For Blower Unit Model, Add	*586.82*	
		For 90 Percent Efficiency, Add	*2,069.32*	
		For Stainless Steel Heat Exchanger, Add	*540.49*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.25*	
		For 60 Degree, Downward Air Deflection Hood, Add	*237.82*	
		For 90 Degree, Downward Air Deflection Hood, Add	*355.18*	
		For 3 Phase, 460 Volt, Add	*796.84*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,184.90	526.96
		For Blower Unit Model, Add	*677.43*	
		For 90 Percent Efficiency, Add	*2,388.84*	
		For Stainless Steel Heat Exchanger, Add	*623.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.14*	
		For 60 Degree, Downward Air Deflection Hood, Add	*274.54*	
		For 90 Degree, Downward Air Deflection Hood, Add	*410.03*	
		For 3 Phase, 460 Volt, Add	*919.88*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,777.41	579.66
		For Blower Unit Model, Add	*723.72*	
		For 90 Percent Efficiency, Add	*2,552.06*	
		For Stainless Steel Heat Exchanger, Add	*666.58*	
		For 30 Degree, Downward Air Deflection Hood, Add	*182.83*	
		For 60 Degree, Downward Air Deflection Hood, Add	*293.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*438.04*	
		For 3 Phase, 460 Volt, Add	*982.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	877.23	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,182.36	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	23,606.89	2,441.01
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	31,624.47	2,593.57
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	42,478.90	3,172.88

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,738.45	381.41
		For Bronze Head And Tube Sheet, Add	*1,003.46*	
		For Copper Nickel Tubes, Add	*222.99*	
		For Double Wall Tube Bundles, Add	*334.49*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,986.97	381.41
		For Bronze Head And Tube Sheet, Add	*1,519.52*	
		For Copper Nickel Tubes, Add	*337.67*	
		For Double Wall Tube Bundles, Add	*506.51*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,987.17	533.97
		For Bronze Head And Tube Sheet, Add	*2,350.96*	
		For Copper Nickel Tubes, Add	*522.44*	
		For Double Wall Tube Bundles, Add	*783.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,489.60	533.97
		For Bronze Head And Tube Sheet, Add	*3,583.79*	
		For Copper Nickel Tubes, Add	*796.40*	
		For Double Wall Tube Bundles, Add	*1,194.60*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,483.19	628.56
		For Bronze Head And Tube Sheet, Add	*4,759.27*	
		For Copper Nickel Tubes, Add	*1,057.62*	
		For Double Wall Tube Bundles, Add	*1,586.42*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,386.59	786.58
		For Bronze Head And Tube Sheet, Add	*6,250.12*	
		For Copper Nickel Tubes, Add	*1,388.92*	
		For Double Wall Tube Bundles, Add	*2,083.37*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	20,257.71	1,180.60
		For Bronze Head And Tube Sheet, Add	*7,654.97*	
		For Copper Nickel Tubes, Add	*1,701.10*	
		For Double Wall Tube Bundles, Add	*2,551.66*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,562.43	1,180.60
		For Bronze Head And Tube Sheet, Add	*11,926.84*	
		For Copper Nickel Tubes, Add	*2,650.41*	
		For Double Wall Tube Bundles, Add	*3,975.61*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,312.30	381.41
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,697.47	381.41
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,581.43	457.69
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,255.01	495.83
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,207.32	495.83
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,573.46	533.97
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,352.62	533.97
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,967.97	610.25
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	23,189.36	686.53
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	24,055.09	686.53
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,759.56	796.91
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,895.23	876.45
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	41,424.67	956.00

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,248.15	381.41
		For Copper Nickel Tubes, Add	*273.96*	
		For Double Wall Tube Bundles, Add	*410.94*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,496.67	381.41
		For Copper Nickel Tubes, Add	*388.64*	
		For Double Wall Tube Bundles, Add	*582.96*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,688.00	533.97
		For Copper Nickel Tubes, Add	*592.52*	
		For Double Wall Tube Bundles, Add	*888.78*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,554.46	533.97
		For Copper Nickel Tubes, Add	*853.74*	
		For Double Wall Tube Bundles, Add	*1,280.61*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,839.08	610.25
		For Copper Nickel Tubes, Add	*1,051.24*	
		For Double Wall Tube Bundles, Add	*1,576.87*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,749.93	610.25
		For Copper Nickel Tubes, Add	*1,414.40*	
		For Double Wall Tube Bundles, Add	*2,121.60*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,494.24	590.30
		For Copper Nickel Tubes, Add	*1,758.44*	
		For Double Wall Tube Bundles, Add	*2,637.67*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	24,235.89	590.30
		For Copper Nickel Tubes, Add	*2,191.68*	
		For Double Wall Tube Bundles, Add	*3,287.53*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,984.69	590.30
		For Copper Nickel Tubes, Add	*2,803.32*	
		For Double Wall Tube Bundles, Add	*4,204.98*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,676.94	305.13
		For Copper Nickel Tubes, Add	*306.67*	
		For Double Wall Tube Bundles, Add	*460.00*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,690.21	508.49
		For Copper Nickel Tubes, Add	*867.31*	
		For Double Wall Tube Bundles, Add	*1,300.97*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,049.22	663.34
		For Copper Nickel Tubes, Add	*1,172.49*	
		For Double Wall Tube Bundles, Add	*1,758.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	14,030.12	802.94
		For Copper Nickel Tubes, Add	*1,242.76*	
		For Double Wall Tube Bundles, Add	*1,864.13*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,899.53	937.55
		For Copper Nickel Tubes, Add	*1,499.42*	
		For Double Wall Tube Bundles, Add	*2,249.13*	

23 60 Central Cooling Equipment *(23)*

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	994.70	144.67
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,189.28	144.67
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,618.35	180.76
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,019.68	180.76
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,262.91	180.76
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,291.55	188.06
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,305.74	188.06
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,533.32	202.53
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,724.42	216.99
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,972.24	231.46
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,389.79	231.46
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,807.86	245.93
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,885.48	260.39
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,948.55	267.56
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,650.19	1,400.66
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,652.41	1,600.68
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,654.84	1,800.85
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	15,512.17	1,950.78
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	19,369.96	2,100.99
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	23,243.94	2,521.19
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	28,055.27	2,709.79
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	32,678.60	2,865.00
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	42,959.29	3,232.33
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	50,789.29	3,317.10
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	63,752.81	3,401.74
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	66,988.39	3,444.19
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	70,087.64	3,486.51
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	75,887.49	3,571.15
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	81,150.19	3,656.05
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	86,722.92	4,115.46
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	90,913.20	4,207.57
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	94,509.75	4,261.13
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	97,684.23	4,392.96
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	100,261.86	4,485.07
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	102,884.63	4,607.96
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	105,396.05	4,657.51
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	107,950.30	4,734.59
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	110,885.64	5,053.90
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	113,744.85	5,326.33

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,187.48	144.67
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,225.71	144.67
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,336.26	180.76
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,374.46	180.76
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,393.57	180.76
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,438.61	188.06
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,480.66	188.06
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,589.85	202.53
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,695.25	216.99
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,838.81	231.46
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,915.26	231.46
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,058.81	245.93
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,431.76	260.39
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,656.40	267.56

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,425.12	720.34
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,373.85	900.42
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,518.93	1,096.20
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,357.98	1,260.60
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,755.19	1,400.66
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,366.15	1,575.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,095.93	1,800.85
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	26,975.29	1,800.85
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	33,279.42	2,100.99
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,431.83	2,251.06
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,543.84	2,359.08
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	40,667.76	2,475.63
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,803.91	2,485.23
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,909.65	2,602.17
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	46,033.29	2,709.79

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,613.57	231.19
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,693.15	246.06
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,737.48	260.26
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,772.29	267.69
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,197.96	338.00
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	4,137.03	506.99
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,737.48	591.50
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,312.52	676.00
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,418.39	811.20
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,552.38	912.59
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,838.43	1,013.99
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	12,429.10	1,351.99
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	14,070.90	1,689.99
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	15,122.81	2,027.98

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	47,688.15	3,444.19
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	49,122.56	3,486.51
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	52,230.07	3,571.15
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	55,306.44	3,656.05
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	59,752.15	4,115.46
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	63,355.69	4,207.57
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	66,870.37	4,261.13
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	70,532.59	4,392.96
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	74,140.25	4,485.07
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	79,203.55	4,607.96
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	82,750.37	4,657.51
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	84,414.83	4,734.59
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	94,684.33	5,053.90
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	104,789.45	5,326.33

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	8,014.14	1,249.23
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	17,388.60	1,338.47
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	30,288.26	1,427.70
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,832.13	1,516.93
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,457.73	1,606.17
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,055.06	1,784.62
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	48,510.88	2,031.52
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	52,276.60	2,356.41
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	55,791.07	2,552.78
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	63,895.07	2,749.15
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	72,220.03	3,043.71
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	76,307.36	3,158.13
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	86,098.95	3,355.51
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	94,077.88	3,552.89

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,664.80	1,249.23
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,400.28	1,338.47
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,855.75	1,427.70
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,758.49	1,516.93
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,661.23	1,606.17
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,752.21	1,784.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	37,143.43	2,031.52
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,598.21	2,356.41
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,359.05	2,552.78
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	57,697.56	2,749.15
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,377.09	3,043.71
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	70,279.09	3,158.13
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	77,064.09	3,355.51
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	87,807.73	3,552.89

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*

Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	57,844.03	11,449.15
		For Gas Fired Engine Driven, Add	*9,852.30*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	65,256.91	12,068.01
		For Gas Fired Engine Driven, Add	*11,242.09*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	75,696.60	13,132.71
		For Gas Fired Engine Driven, Add	*13,170.39*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	84,591.34	13,953.59
		For Gas Fired Engine Driven, Add	*14,826.28*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	105,621.08	15,397.05
		For Gas Fired Engine Driven, Add	*18,815.81*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	116,467.86	15,946.88
		For Gas Fired Engine Driven, Add	*20,902.73*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	126,560.69	17,173.58
		For Gas Fired Engine Driven, Add	*22,737.38*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	153,762.21	18,375.14
		For Gas Fired Engine Driven, Add	*27,963.12*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	155,527.57	18,700.80
		For Gas Fired Engine Driven, Add	*28,301.78*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	158,367.85	19,513.96
		For Gas Fired Engine Driven, Add	*28,747.94*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	175,681.04	20,400.99
		For Gas Fired Engine Driven, Add	*32,077.59*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	194,332.75	21,372.49
		For Gas Fired Engine Driven, Add	*35,662.29*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	215,422.80	22,441.05
		For Gas Fired Engine Driven, Add	*39,720.08*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	232,914.91	23,622.21
		For Gas Fired Engine Driven, Add	*43,041.43*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	256,990.58	24,934.51
		For Gas Fired Engine Driven, Add	*47,659.81*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,681.27	976.63
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	13,154.55	1,426.31
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	15,040.47	1,545.75
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,636.09	1,854.90
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	20,172.91	2,182.32
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	42,373.16	3,191.73
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	52,564.76	3,852.14
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	72,452.22	4,214.84

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum NYC EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,732.78	976.63
		For >10 To 25, Deduct	*-187.61*	
		For >25 To 50, Deduct	*-312.68*	
		For >50, Deduct	*-500.29*	
		For Low Ambient Protection, 0 Degree F, Add	*1,182.76*	
		For Winter Start Control, Add	*398.06*	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,260.87	1,159.31
		For >10 To 25, Deduct	*-225.13*	
		For >25 To 50, Deduct	*-375.22*	
		For >50, Deduct	*-600.35*	
		For Low Ambient Protection, 0 Degree F, Add	*1,039.48*	
		For Winter Start Control, Add	*325.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	12,033.35	1,426.31
		For >10 To 25, Deduct	*-296.14*	
		For >25 To 50, Deduct	*-493.57*	
		For >50, Deduct	*-789.72*	
		For Low Ambient Protection, 0 Degree F, Add	*1,231.47*	
		For Winter Start Control, Add	*413.62*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,864.69	1,483.92
		For >10 To 25, Deduct	*-378.49*	
		For >25 To 50, Deduct	*-630.82*	
		For >50, Deduct	*-1,009.31*	
		For Low Ambient Protection, 0 Degree F, Add	*1,445.23*	
		For Winter Start Control, Add	*477.16*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,703.25	1,545.75
		For >10 To 25, Deduct	*-460.84*	
		For >25 To 50, Deduct	*-768.06*	
		For >50, Deduct	*-1,228.90*	
		For Low Ambient Protection, 0 Degree F, Add	*1,507.18*	
		For Winter Start Control, Add	*387.82*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	22,805.20	1,854.90
		For >10 To 25, Deduct	*-599.84*	
		For >25 To 50, Deduct	*-999.74*	
		For >50, Deduct	*-1,599.58*	
		For Low Ambient Protection, 0 Degree F, Add	*1,902.30*	
		For Winter Start Control, Add	*480.99*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,936.58	1,995.42
		For >10 To 25, Deduct	*-687.48*	
		For >25 To 50, Deduct	*-1,145.79*	
		For >50, Deduct	*-1,833.27*	
		For Low Ambient Protection, 0 Degree F, Add	*2,015.55*	
		For Winter Start Control, Add	*531.23*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	29,736.98	2,178.10
		For >10 To 25, Deduct	*-793.24*	
		For >25 To 50, Deduct	*-1,322.07*	
		For >50, Deduct	*-2,115.31*	
		For Low Ambient Protection, 0 Degree F, Add	*2,145.96*	
		For Winter Start Control, Add	*593.97*	
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	40,807.54	2,538.88
		For >10 To 25, Deduct	*-1,106.76*	
		For >25 To 50, Deduct	*-1,844.60*	
		For >50, Deduct	*-2,951.37*	
		For Low Ambient Protection, 0 Degree F, Add	*2,823.47*	
		For Winter Start Control, Add	*760.47*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	49,557.94	3,191.73
		For >10 To 25, Deduct	*-1,339.07*	
		For >25 To 50, Deduct	*-2,231.78*	
		For >50, Deduct	*-3,570.85*	
		For Low Ambient Protection, 0 Degree F, Add	*3,016.00*	
		For Winter Start Control, Add	*715.41*	
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	57,084.25	3,522.69
		For >10 To 25, Deduct	*-1,553.85*	
		For >25 To 50, Deduct	*-2,589.75*	
		For >50, Deduct	*-4,143.60*	
		For Low Ambient Protection, 0 Degree F, Add	*3,394.12*	
		For Winter Start Control, Add	*787.90*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	73,932.93	3,852.14
		For >10 To 25, Deduct	*-2,039.77*	
		For >25 To 50, Deduct	*-3,399.61*	
		For >50, Deduct	*-5,439.38*	
		For Low Ambient Protection, 0 Degree F, Add	*4,204.87*	
		For Winter Start Control, Add	*934.03*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	101,997.96	3,468.44
		For >10 To 25, Deduct	*-2,848.12*	
		For >25 To 50, Deduct	*-4,746.86*	
		For >50, Deduct	*-7,594.98*	
		For Low Ambient Protection, 0 Degree F, Add	*4,613.29*	
		For Winter Start Control, Add	*1,180.76*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	125,656.85	3,586.01
		For >10 To 25, Deduct	*-3,550.70*	
		For >25 To 50, Deduct	*-5,917.84*	
		For >50, Deduct	*-9,468.54*	
		For Low Ambient Protection, 0 Degree F, Add	*5,375.71*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit	2,657.43	423.06
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-60.69*	
		For >25 To 50, Deduct	*-101.14*	
		For >50, Deduct	*-161.83*	
		For 15 SEER, Add	*485.48*	
		For 16 SEER, Add	*829.36*	
		For 18 SEER, Add	*1,739.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit	2,856.82	470.30
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-64.55*	
		For >25 To 50, Deduct	*-107.59*	
		For >50, Deduct	*-172.14*	
		For 15 SEER, Add	*516.41*	
		For 16 SEER, Add	*882.21*	
		For 18 SEER, Add	*1,850.48*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,030.00	517.34
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-67.63*	
		For >25 To 50, Deduct	*-112.72*	
		For >50, Deduct	*-180.35*	
		For 15 SEER, Add	*541.05*	
		For 16 SEER, Add	*924.30*	
		For 18 SEER, Add	*1,938.78*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit	3,482.81	564.08
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-79.10*	
		For >25 To 50, Deduct	*-131.83*	
		For >50, Deduct	*-210.93*	
		For 15 SEER, Add	*632.80*	
		For 16 SEER, Add	*1,081.04*	
		For 18 SEER, Add	*2,267.54*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,686.57	611.40
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-83.10*	
		For >25 To 50, Deduct	*-138.50*	
		For >50, Deduct	*-221.59*	
		For 15 SEER, Add	*664.78*	
		For 16 SEER, Add	*1,135.67*	
		For 18 SEER, Add	*2,382.14*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	4,110.96	658.42
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-93.71*	
		For >25 To 50, Deduct	*-156.19*	
		For >50, Deduct	*-249.91*	
		For 15 SEER, Add	*749.72*	
		For 16 SEER, Add	*1,280.77*	
		For 18 SEER, Add	*2,686.49*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,643.40	705.10
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-107.57*	
		For >25 To 50, Deduct	*-179.29*	
		For >50, Deduct	*-286.86*	
		For 15 SEER, Add	*860.58*	
		For 16 SEER, Add	*1,470.15*	
		For 18 SEER, Add	*3,083.74*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	433.98
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,627.41
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,952.16

23 63 23 Water-Cooled Refrigerant Condensers *(23 63)*

23 63 23 00-0001 Water Cooled Condensers *(23 63 23)*

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type	22,810.62	531.33
		For Saddle Legs, Add	*1,749.41*	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type	29,628.86	713.85
		For Saddle Legs, Add	*2,269.51*	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type	38,820.27	892.31
		For Saddle Legs, Add	*2,978.73*	
		For Dual Compressor, Add	*1,873.41*	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type	40,578.92	1,085.64
		For Saddle Legs, Add	*3,095.18*	
		For Dual Compressor, Add	*1,946.65*	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type	48,371.23	1,388.50
		For Saddle Legs, Add	*3,678.32*	
		For Dual Compressor, Add	*2,313.41*	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type	55,284.75	1,561.55
		For Saddle Legs, Add	*4,207.04*	
		For Dual Compressor, Add	*2,645.94*	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type	67,408.92	1,784.62
		For Saddle Legs, Add	*5,144.04*	
		For Dual Compressor, Add	*3,235.25*	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type	83,355.84	2,082.06
		For Saddle Legs, Add	*6,376.00*	
		For Dual Compressor, Add	*4,010.06*	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type	134,695.85	2,686.40
		For Saddle Legs, Add	*10,384.85*	
		For Dual Compressor, Add	*6,531.35*	
23 63 23 00-0011	EA	120 Ton Water Cooled Condenser, Shell And Tube Type	154,375.59	2,944.22
		For Saddle Legs, Add	*11,918.21*	
		For Dual Compressor, Add	*7,495.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 23 00-0012	EA	150 Ton Water Cooled Condenser, Shell And Tube Type	183,699.07	3,202.86
		For Saddle Legs, Add	*14,218.24*	
		For Dual Compressor, Add	*8,942.29*	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	224,201.46	15,620.19
		For Two Stage Unit, Add	*144,444.87*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	282,286.52	17,943.87
		For Two Stage Unit, Add	*183,245.47*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	356,417.59	19,289.66
		For Two Stage Unit, Add	*234,060.59*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	395,558.50	20,635.45
		For Two Stage Unit, Add	*260,382.59*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	440,979.98	21,233.58
		For Two Stage Unit, Add	*291,699.12*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	495,934.34	21,981.24
		For Two Stage Unit, Add	*329,569.04*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	531,449.05	22,728.90
		For Two Stage Unit, Add	*353,831.21*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	631,039.81	23,925.16
		For Two Stage Unit, Add	*422,587.74*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	705,433.83	24,672.82
		For Two Stage Unit, Add	*474,065.42*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	168,901.86	8,531.56
		For 208/230 Voltage Motor Rating, Add	*6,207.89*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	184,467.09	8,747.64
		For 208/230 Voltage Motor Rating, Add	*6,816.44*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	203,266.54	8,969.99
		For 208/230 Voltage Motor Rating, Add	*7,554.31*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	221,656.65	9,329.61
		For 208/230 Voltage Motor Rating, Add	*8,266.80*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	239,681.21	9,856.42
		For 208/230 Voltage Motor Rating, Add	*8,953.94*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	257,048.24	10,368.86
		For 208/230 Voltage Motor Rating, Add	*9,615.70*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	273,869.44	10,937.39
		For 208/230 Voltage Motor Rating, Add	*10,252.01*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	290,011.47	11,476.75
		For 208/230 Voltage Motor Rating, Add	*10,863.04*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	305,441.07	11,968.56
		For 208/230 Voltage Motor Rating, Add	*11,448.62*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	320,070.22	12,356.90
		For 208/230 Voltage Motor Rating, Add	*12,008.83*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	334,424.54	12,969.08
		For 208/230 Voltage Motor Rating, Add	*12,543.68*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	347,965.25	13,469.41
		For 208/230 Voltage Motor Rating, Add	*13,053.15*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	360,861.24	13,963.32
		For 208/230 Voltage Motor Rating, Add	*13,537.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	372,944.19	14,345.82
		For 208/230 Voltage Motor Rating, Add	*13,995.99*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	394,793.71	14,854.53
		For 208/230 Voltage Motor Rating, Add	*14,837.29*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	413,807.91	15,177.52
		For 208/230 Voltage Motor Rating, Add	*15,577.11*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	430,969.76	15,927.72
		For 208/230 Voltage Motor Rating, Add	*16,215.38*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	445,612.83	16,689.29
		For 208/230 Voltage Motor Rating, Add	*16,752.17*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	457,845.63	17,527.12
		For 208/230 Voltage Motor Rating, Add	*17,187.64*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	32,318.21	2,213.46
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	47,249.97	2,241.84
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	51,560.54	2,397.91
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	56,714.22	2,568.18
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	57,657.31	2,738.45
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	60,847.26	2,937.10
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	69,547.94	3,178.31
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	74,693.26	3,447.89
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	78,861.71	3,547.22
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	82,365.44	3,703.30
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	85,132.39	3,830.99
23 64 23 13-0013	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	105,718.14	4,724.89
23 64 23 13-0014	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	107,632.63	4,739.08
23 64 23 13-0015	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	113,844.75	4,753.26
23 64 23 13-0016	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	119,891.41	4,767.46
23 64 23 13-0017	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	126,013.21	4,781.65
23 64 23 13-0018	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	132,450.67	4,795.83
23 64 23 13-0019	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	98,201.38	4,313.41

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,971.96	2,806.63
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,935.58	2,891.42
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,954.33	3,174.18
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	62,603.57	3,986.72
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	69,249.16	4,369.05
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	72,804.63	4,827.23

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	113,549.71	5,434.33
		For Aluminum Fins Instead Of Copper, Deduct	*-1,581.08*	
		For 208/230 Voltage Motor Rating, Add	*4,216.21*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	122,049.81	5,902.57
		For Aluminum Fins Instead Of Copper, Deduct	*-1,698.15*	
		For 208/230 Voltage Motor Rating, Add	*4,528.41*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	128,377.36	6,157.96
		For Aluminum Fins Instead Of Copper, Deduct	*-1,787.11*	
		For 208/230 Voltage Motor Rating, Add	*4,765.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	133,175.32	6,626.20
		For Aluminum Fins Instead Of Copper, Deduct	*-1,848.65*	
		For 208/230 Voltage Motor Rating, Add	*4,929.72*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	142,889.62	6,952.54
		For Aluminum Fins Instead Of Copper, Deduct	*-1,987.13*	
		For 208/230 Voltage Motor Rating, Add	*5,299.00*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	151,780.97	7,094.43
		For Aluminum Fins Instead Of Copper, Deduct	*-2,117.09*	
		For 208/230 Voltage Motor Rating, Add	*5,645.57*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	160,185.40	7,335.64
		For Aluminum Fins Instead Of Copper, Deduct	*-2,237.84*	
		For 208/230 Voltage Motor Rating, Add	*5,967.56*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	165,291.48	7,491.72
		For Aluminum Fins Instead Of Copper, Deduct	*-2,310.81*	
		For 208/230 Voltage Motor Rating, Add	*6,162.16*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	174,479.98	7,647.79
		For Aluminum Fins Instead Of Copper, Deduct	*-2,445.02*	
		For 208/230 Voltage Motor Rating, Add	*6,520.05*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	182,103.61	7,889.00
		For Aluminum Fins Instead Of Copper, Deduct	*-2,554.05*	
		For 208/230 Voltage Motor Rating, Add	*6,810.80*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	192,001.56	8,201.15
		For Aluminum Fins Instead Of Copper, Deduct	*-2,695.50*	
		For 208/230 Voltage Motor Rating, Add	*7,187.99*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	200,650.87	8,371.42
		For Aluminum Fins Instead Of Copper, Deduct	*-2,821.62*	
		For 208/230 Voltage Motor Rating, Add	*7,524.32*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	214,985.98	8,513.32
		For Aluminum Fins Instead Of Copper, Deduct	*-3,033.24*	
		For 208/230 Voltage Motor Rating, Add	*8,088.64*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	224,504.90	8,598.44
		For Aluminum Fins Instead Of Copper, Deduct	*-3,174.32*	
		For 208/230 Voltage Motor Rating, Add	*8,464.86*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	234,023.80	8,669.39
		For Aluminum Fins Instead Of Copper, Deduct	*-3,315.40*	
		For 208/230 Voltage Motor Rating, Add	*8,841.07*	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	262,495.38	8,839.65
		For Aluminum Fins Instead Of Copper, Deduct	*-3,738.64*	
		For 208/230 Voltage Motor Rating, Add	*9,969.72*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	276,844.69	9,009.92
		For Aluminum Fins Instead Of Copper, Deduct	*-3,950.27*	
		For 208/230 Voltage Motor Rating, Add	*10,534.04*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	295,882.51	9,151.82
		For Aluminum Fins Instead Of Copper, Deduct	*-4,232.43*	
		For 208/230 Voltage Motor Rating, Add	*11,286.48*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	324,325.72	9,307.89
		For Aluminum Fins Instead Of Copper, Deduct	*-4,655.67*	
		For 208/230 Voltage Motor Rating, Add	*12,415.12*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	75,705.39	6,728.95
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	82,055.12	6,990.63
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,578.67	7,177.54
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	92,423.96	7,480.35
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	97,207.95	7,685.96
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	103,028.83	7,901.73
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	138,299.99	8,122.60
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	143,551.47	8,342.40
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,495.03	8,548.91
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	149,083.45	8,976.42
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	148,164.66	9,409.31
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	156,665.04	9,610.73
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	170,086.82	9,820.98
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	180,659.53	10,270.48
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	190,659.43	10,686.17
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	202,282.22	11,109.49
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	222,068.29	12,094.17
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	238,356.02	13,302.39
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	251,166.10	14,633.23

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0002		Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)* Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.		
23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,513.71	2,355.35
		For Counter Flow Type, Add	*1,273.55*	
		For Stainless Steel Cooling Tower, Add	*13,584.54*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	28,148.50	2,880.34
		For Counter Flow Type, Add	*1,788.70*	
		For Stainless Steel Cooling Tower, Add	*19,079.42*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	35,390.53	3,618.16
		For Counter Flow Type, Add	*2,217.98*	
		For Stainless Steel Cooling Tower, Add	*23,658.48*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	40,768.77	4,043.82
		For Counter Flow Type, Add	*2,570.27*	
		For Stainless Steel Cooling Tower, Add	*27,416.22*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	46,570.54	4,554.62
		For Counter Flow Type, Add	*2,943.68*	
		For Stainless Steel Cooling Tower, Add	*31,399.27*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	52,356.37	5,107.99
		For Counter Flow Type, Add	*3,311.64*	
		For Stainless Steel Cooling Tower, Add	*35,324.18*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	58,744.11	5,689.73
		For Counter Flow Type, Add	*3,720.49*	
		For Stainless Steel Cooling Tower, Add	*39,685.19*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	64,268.61	6,413.36
		For Counter Flow Type, Add	*4,047.56*	
		For Stainless Steel Cooling Tower, Add	*43,174.00*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	70,069.64	7,122.80
		For Counter Flow Type, Add	*4,396.44*	
		For Stainless Steel Cooling Tower, Add	*46,895.39*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	76,952.52	8,428.18
		For Counter Flow Type, Add	*4,756.23*	
		For Stainless Steel Cooling Tower, Add	*50,733.08*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	83,697.71	9,336.27
		For Counter Flow Type, Add	*5,151.44*	
		For Stainless Steel Cooling Tower, Add	*54,948.72*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	88,211.59	9,932.20
		For Counter Flow Type, Add	*5,424.01*	
		For Stainless Steel Cooling Tower, Add	*57,856.06*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	93,489.16	10,513.95
		For Counter Flow Type, Add	*5,744.27*	
		For Stainless Steel Cooling Tower, Add	*61,272.18*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	98,582.27	11,024.74
		For Counter Flow Type, Add	*6,064.53*	
		For Stainless Steel Cooling Tower, Add	*64,688.31*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	104,388.03	11,535.54
		For Counter Flow Type, Add	*6,439.30*	
		For Stainless Steel Cooling Tower, Add	*68,685.90*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	110,574.14	12,159.85
		For Counter Flow Type, Add	*6,827.71*	
		For Stainless Steel Cooling Tower, Add	*72,828.86*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	117,563.74	12,784.16
		For Counter Flow Type, Add	*7,277.44*	
		For Stainless Steel Cooling Tower, Add	*77,625.98*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	124,334.79	13,323.33
		For Counter Flow Type, Add	*7,720.35*	
		For Stainless Steel Cooling Tower, Add	*82,350.40*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	131,120.03	13,862.51
		For Counter Flow Type, Add	*8,163.26*	
		For Stainless Steel Cooling Tower, Add	*87,074.82*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001		Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers *(23 65 14 13)* Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,587.88	1,589.15
		For Stainless Steel Support Structure, Add	*2,461.25*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,503.68	1,716.85
		For Stainless Steel Support Structure, Add	*2,976.39*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,914.56	1,929.69
		For Stainless Steel Support Structure, Add	*3,606.01*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,548.08	2,128.33
		For Stainless Steel Support Structure, Add	*4,006.68*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,559.74	2,355.35
		For Stainless Steel Support Structure, Add	*4,808.01*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	22,699.93	2,539.81
		For Stainless Steel Support Structure, Add	*5,669.20*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	26,049.77	2,880.34
		For Stainless Steel Support Structure, Add	*6,525.16*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	32,528.61	3,618.16
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	35,499.21	4,043.82
		For Stainless Steel Support Structure, Add	*8,700.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	53,724.70	4,554.62
		For Stainless Steel Support Structure, Add	*13,920.98*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	65,063.04	5,689.73
		For Stainless Steel Support Structure, Add	*16,777.63*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	84,776.70	9,336.27
		For Stainless Steel Support Structure, Add	*20,929.47*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	32,528.61	3,618.16
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	43,254.35	4,554.62
		For Stainless Steel Support Structure, Add	*10,779.87*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	54,928.22	5,689.73
		For Stainless Steel Support Structure, Add	*13,737.18*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	65,290.70	7,122.80
		For Stainless Steel Support Structure, Add	*16,152.09*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	77,855.78	9,336.27
		For Stainless Steel Support Structure, Add	*18,853.19*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	86,811.37	10,513.95
		For Stainless Steel Support Structure, Add	*20,973.73*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	96,756.26	11,535.54
		For Stainless Steel Support Structure, Add	*23,467.68*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	109,568.55	12,784.16
		For Stainless Steel Support Structure, Add	*26,711.18*	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	123,397.41	13,862.51
		For Stainless Steel Support Structure, Add	*30,336.27*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	132,042.31	14,614.52
		For Stainless Steel Support Structure, Add	*32,653.06*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	141,372.26	15,011.81
		For Stainless Steel Support Structure, Add	*35,175.36*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	159,811.93	15,522.61
		For Stainless Steel Support Structure, Add	*40,639.16*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	175,301.35	17,111.76
		For Stainless Steel Support Structure, Add	*44,536.81*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	193,652.57	18,842.80
		For Stainless Steel Support Structure, Add	*49,224.90*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,893.87	1,589.15
		For Polymer Coating Over Galvanized Components, Add	*976.52*	
		For Stainless Steel Support Structure, Add	*1,953.04*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,564.88	1,617.53
		For Polymer Coating Over Galvanized Components, Add	*1,072.92*	
		For Stainless Steel Support Structure, Add	*2,145.83*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,406.59	1,759.42
		For Polymer Coating Over Galvanized Components, Add	*1,165.12*	
		For Stainless Steel Support Structure, Add	*2,330.24*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,098.96	1,844.55
		For Polymer Coating Over Galvanized Components, Add	*1,399.82*	
		For Stainless Steel Support Structure, Add	*2,799.64*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,651.62	1,929.69
		For Polymer Coating Over Galvanized Components, Add	*1,613.56*	
		For Stainless Steel Support Structure, Add	*3,227.13*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,176.79	2,029.00
		For Polymer Coating Over Galvanized Components, Add	*1,818.93*	
		For Stainless Steel Support Structure, Add	*3,637.85*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,575.99	2,128.33
		For Polymer Coating Over Galvanized Components, Add	*2,007.53*	
		For Stainless Steel Support Structure, Add	*4,015.05*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,129.09	2,241.84
		For Polymer Coating Over Galvanized Components, Add	*2,217.08*	
		For Stainless Steel Support Structure, Add	*4,434.16*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,654.70	2,355.35
		For Polymer Coating Over Galvanized Components, Add	*2,418.25*	
		For Stainless Steel Support Structure, Add	*4,836.50*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,634.51	2,539.81
		For Polymer Coating Over Galvanized Components, Add	*2,824.79*	
		For Stainless Steel Support Structure, Add	*5,649.57*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,866.23	2,738.45
		For Polymer Coating Over Galvanized Components, Add	*3,264.85*	
		For Stainless Steel Support Structure, Add	*6,529.70*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,378.08	2,880.34
		For Polymer Coating Over Galvanized Components, Add	*3,461.83*	
		For Stainless Steel Support Structure, Add	*6,923.66*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,060.20	3,121.55
		For Polymer Coating Over Galvanized Components, Add	*3,658.81*	
		For Stainless Steel Support Structure, Add	*7,317.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,323.19	3,362.76
		For Polymer Coating Over Galvanized Components, Add	*3,792.92*	
		For Stainless Steel Support Structure, Add	*7,585.85*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,696.19	3,618.16
		For Polymer Coating Over Galvanized Components, Add	*4,031.81*	
		For Stainless Steel Support Structure, Add	*8,063.63*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	34,131.65	4,043.82
		For Polymer Coating Over Galvanized Components, Add	*4,144.97*	
		For Stainless Steel Support Structure, Add	*8,289.95*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	39,592.73	4,554.62
		For Polymer Coating Over Galvanized Components, Add	*4,840.69*	
		For Stainless Steel Support Structure, Add	*9,681.38*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	43,769.41	5,107.99
		For Polymer Coating Over Galvanized Components, Add	*5,335.24*	
		For Stainless Steel Support Structure, Add	*10,670.48*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	46,186.72	5,689.73
		For Polymer Coating Over Galvanized Components, Add	*5,557.37*	
		For Stainless Steel Support Structure, Add	*11,114.73*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	53,329.48	6,413.36
		For Polymer Coating Over Galvanized Components, Add	*6,454.26*	
		For Stainless Steel Support Structure, Add	*12,908.51*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	58,502.20	7,122.80
		For Polymer Coating Over Galvanized Components, Add	*7,057.77*	
		For Stainless Steel Support Structure, Add	*14,115.54*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	62,851.15	8,428.18
		For Polymer Coating Over Galvanized Components, Add	*7,397.25*	
		For Stainless Steel Support Structure, Add	*14,794.49*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	67,903.18	9,336.27
		For Polymer Coating Over Galvanized Components, Add	*7,933.71*	
		For Stainless Steel Support Structure, Add	*15,867.41*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	77,557.76	10,513.95
		For Polymer Coating Over Galvanized Components, Add	*9,098.82*	
		For Stainless Steel Support Structure, Add	*18,197.65*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	85,476.09	11,535.54
		For Polymer Coating Over Galvanized Components, Add	*10,041.82*	
		For Stainless Steel Support Structure, Add	*20,083.63*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	94,489.77	12,784.16
		For Polymer Coating Over Galvanized Components, Add	*11,093.78*	
		For Stainless Steel Support Structure, Add	*22,187.55*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	102,940.72	13,862.51
		For Polymer Coating Over Galvanized Components, Add	*12,099.63*	
		For Stainless Steel Support Structure, Add	*24,199.27*	

23 65 14 14-0029 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 65 14 14-0030	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	96,296.04	3,618.16
		For Induced Draft Counter Flow Type, Add	*4,523.93*	
23 65 14 14-0031	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	109,132.51	4,015.45
		For Induced Draft Counter Flow Type, Add	*5,131.70*	
23 65 14 14-0032	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	119,297.02	4,554.62
		For Induced Draft Counter Flow Type, Add	*5,598.78*	
23 65 14 14-0033	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	132,742.77	5,689.73
		For Induced Draft Counter Flow Type, Add	*6,180.26*	
23 65 14 14-0034	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	150,493.76	7,122.80
		For Induced Draft Counter Flow Type, Add	*6,952.17*	
23 65 14 14-0035	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	173,017.78	9,336.27
		For Induced Draft Counter Flow Type, Add	*7,900.30*	
23 65 14 14-0036	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	188,566.70	10,513.95
		For Induced Draft Counter Flow Type, Add	*8,583.39*	
23 65 14 14-0037	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	203,860.21	11,535.54
		For Induced Draft Counter Flow Type, Add	*9,266.48*	
23 65 14 14-0038	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	235,408.10	13,862.51
		For Induced Draft Counter Flow Type, Add	*10,656.58*	
23 65 14 14-0039	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	265,769.61	15,011.81
		For Induced Draft Counter Flow Type, Add	*12,082.43*	
23 65 14 14-0040	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	328,774.91	16,317.19
		For Induced Draft Counter Flow Type, Add	*15,090.81*	
23 65 14 14-0041	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	426,456.45	20,829.25
		For Induced Draft Counter Flow Type, Add	*19,688.98*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	40,605.57	2,355.35
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	57,620.03	2,880.34
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	68,006.08	3,618.16
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	77,081.29	4,043.82
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	84,583.55	4,554.62
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	101,473.17	5,689.73
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	119,513.13	7,122.80
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	141,861.87	9,336.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	155,364.36	10,513.95
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	176,062.91	11,535.54
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	204,195.35	13,862.51

23 65 14 16-0014 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 65 14 16-0015	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	70,805.70	3,618.16
23 65 14 16-0016	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	76,645.48	4,043.82
23 65 14 16-0017	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	82,631.87	4,554.62
23 65 14 16-0018	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	97,782.97	5,689.73
23 65 14 16-0019	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	107,959.34	7,122.80

23 65 14 16-0020 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0021	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,153.66	1,475.64
23 65 14 16-0022	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,424.40	1,546.58
23 65 14 16-0023	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,251.59	1,589.15
23 65 14 16-0024	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,018.95	1,617.53
23 65 14 16-0025	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,101.28	1,759.42
23 65 14 16-0026	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,622.06	1,844.55
23 65 14 16-0027	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,834.65	1,929.69
23 65 14 16-0028	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,469.06	2,128.33
23 65 14 16-0029	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,910.21	2,355.35
23 65 14 16-0030	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,563.41	2,539.81
23 65 14 16-0031	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,905.37	2,738.45
23 65 14 16-0032	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	19,526.38	3,121.55
23 65 14 16-0033	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	23,663.77	3,618.16
23 65 14 16-0034	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,139.62	4,043.82
23 65 14 16-0035	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	32,729.82	4,554.62
23 65 14 16-0036	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,631.43	5,107.99
23 65 14 16-0037	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	44,199.91	5,689.73
23 65 14 16-0038	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	48,885.35	6,413.36
23 65 14 16-0039	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	53,367.92	7,122.80
23 65 14 16-0040	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	64,146.19	9,336.27
23 65 14 16-0041	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	72,872.81	10,513.95
23 65 14 16-0042	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	80,950.96	11,535.54
23 65 14 16-0043	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	98,375.82	13,578.73
23 65 14 16-0044	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	112,169.86	15,011.81
23 65 14 16-0045	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	117,716.69	11,535.54
23 65 14 16-0046	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	135,585.58	17,111.76
23 65 14 16-0047	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	153,685.49	14,259.80

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,562.88
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,770.73
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,729.76
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,032.55
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,210.41
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,451.24
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,692.08
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,708.07
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,987.88
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,412.58
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,840.27
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	4,114.07	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	30,972.99	270.12
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	43,217.84	358.14
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	49,483.94	433.18
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	58,596.98	541.47
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	68,196.54	719.80
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	88,151.62	1,083.08
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	99,545.18	1,219.90
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	136,688.47	1,620.36
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	176,810.15	1,883.72

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	11,343.58	1,016.84
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,628.17	1,220.50
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,801.11	1,525.63
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	18,462.37	1,743.03
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	20,390.30	1,830.76
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	24,708.79	2,034.43
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	32,604.07	2,135.88
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	40,467.18	2,288.45
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	48,945.69	2,614.93
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	55,015.92	3,356.39
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	73,468.62	3,814.07
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	87,399.48	4,576.89

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	20,038.18	762.81
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,436.46	1,017.14
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	46,610.21	1,525.63

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units *(23 73 13)*

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,937.44	734.23
		For Flat Filter Box And Throwaway Filters, Add	*241.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*451.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*671.45*	
		For Manual Roll Filter, Add	*1,143.59*	
		For Automatic Roll Filter, Add	*1,238.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*577.03*	
		For Electric Heating Coil, Add	*954.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*954.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*860.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*765.88*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*619.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,143.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,049.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*765.88*	
		For Variable Air Volume, Add	*264.40*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,374.23*	
		For 2 Coils, Independent Circuits, Add	*331.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,598.95	881.08
		For Flat Filter Box And Throwaway Filters, Add	*397.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*756.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,128.15*	
		For Manual Roll Filter, Add	*1,963.47*	
		For Automatic Roll Filter, Add	*2,130.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*961.09*	
		For Electric Heating Coil, Add	*1,629.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,629.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,462.28*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,295.21*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,065.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,963.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,796.40*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,295.21*	
		For Variable Air Volume, Add	*467.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,520.38*	
		For 2 Coils, Independent Circuits, Add	*526.72*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,191.59	946.24
		For Flat Filter Box And Throwaway Filters, Add	*451.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*862.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,287.14*	
		For Manual Roll Filter, Add	*2,247.12*	
		For Automatic Roll Filter, Add	*2,439.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,095.15*	
		For Electric Heating Coil, Add	*1,863.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,863.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,671.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,479.14*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,219.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,247.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,055.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,479.14*	
		For Variable Air Volume, Add	*537.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,586.18*	
		For 2 Coils, Independent Circuits, Add	*595.96*	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,850.22	1,016.78
		For Flat Filter Box And Throwaway Filters, Add	*512.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*981.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,464.51*	
		For Manual Roll Filter, Add	*2,563.87*	
		For Automatic Roll Filter, Add	*2,783.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,244.64*	
		For Electric Heating Coil, Add	*2,124.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,124.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,904.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,684.38*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,391.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,563.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,344.00*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,684.38*	
		For Variable Air Volume, Add	*615.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,656.95*	
		For 2 Coils, Independent Circuits, Add	*672.97*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,625.78	1,093.87
		For Flat Filter Box And Throwaway Filters, Add	*584.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,122.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,675.56*	
		For Manual Roll Filter, Add	*2,941.79*	
		For Automatic Roll Filter, Add	*3,195.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,422.31*	
		For Electric Heating Coil, Add	*2,435.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,435.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,182.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,928.81*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,597.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,941.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,688.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,928.81*	
		For Variable Air Volume, Add	*709.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,732.61*	
		For 2 Coils, Independent Circuits, Add	*763.88*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,529.49	1,175.56
		For Flat Filter Box And Throwaway Filters, Add	*668.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,287.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,922.98*	
		For Manual Roll Filter, Add	*3,385.53*	
		For Automatic Roll Filter, Add	*3,678.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,630.47*	
		For Electric Heating Coil, Add	*2,800.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,800.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,508.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,215.49*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,839.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,385.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,093.02*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,215.49*	
		For Variable Air Volume, Add	*819.02*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,815.52*	
		For 2 Coils, Independent Circuits, Add	*869.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,240.73	1,263.80
		For Flat Filter Box And Throwaway Filters, Add	*733.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,413.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,111.90*	
		For Manual Roll Filter, Add	*3,721.67*	
		For Automatic Roll Filter, Add	*4,043.63*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,789.94*	
		For Electric Heating Coil, Add	*3,077.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,077.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,755.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,433.85*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,021.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,721.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,399.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,433.85*	
		For Variable Air Volume, Add	*901.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,901.13*	
		For 2 Coils, Independent Circuits, Add	*952.86*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,012.61	1,362.01
		For Flat Filter Box And Throwaway Filters, Add	*804.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,549.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,314.73*	
		For Manual Roll Filter, Add	*4,081.56*	
		For Automatic Roll Filter, Add	*4,434.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,961.36*	
		For Electric Heating Coil, Add	*3,374.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,374.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,021.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,668.09*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,217.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,081.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,728.19*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,668.09*	
		For Variable Air Volume, Add	*989.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,819.91*	
		For 2 Coils, Independent Circuits, Add	*1,042.61*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,860.17	1,460.21
		For Flat Filter Box And Throwaway Filters, Add	*881.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,700.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,540.83*	
		For Manual Roll Filter, Add	*4,484.34*	
		For Automatic Roll Filter, Add	*4,873.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,152.12*	
		For Electric Heating Coil, Add	*3,706.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,706.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,318.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,929.53*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,436.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,484.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,095.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,929.53*	
		For Variable Air Volume, Add	*1,088.37*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,897.37*	
		For 2 Coils, Independent Circuits, Add	*1,141.50*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,644.47	1,569.55
		For Flat Filter Box And Throwaway Filters, Add	*952.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,837.41*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,744.90*	
		For Manual Roll Filter, Add	*4,845.46*	
		For Automatic Roll Filter, Add	*5,265.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,324.79*	
		For Electric Heating Coil, Add	*4,005.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,005.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,585.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,165.01*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,632.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,845.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,425.35*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,165.01*	
		For Variable Air Volume, Add	*1,176.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,983.22*	
		For 2 Coils, Independent Circuits, Add	*1,232.49*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,482.11	1,688.87
		For Flat Filter Box And Throwaway Filters, Add	*1,027.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,982.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,962.16*	
		For Manual Roll Filter, Add	*5,229.59*	
		For Automatic Roll Filter, Add	*5,683.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,508.67*	
		For Electric Heating Coil, Add	*4,322.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,322.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,869.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,415.64*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,841.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,229.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,776.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,415.64*	
		For Variable Air Volume, Add	*1,269.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,076.81*	
		For 2 Coils, Independent Circuits, Add	*1,329.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,354.32	1,954.89
		For Flat Filter Box And Throwaway Filters, Add	*1,195.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,307.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,447.78*	
		For Manual Roll Filter, Add	*6,088.21*	
		For Automatic Roll Filter, Add	*6,616.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,919.69*	
		For Electric Heating Coil, Add	*5,032.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,032.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,503.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,975.86*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,308.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,088.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,560.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,975.86*	
		For Variable Air Volume, Add	*1,478.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,285.93*	
		For 2 Coils, Independent Circuits, Add	*1,546.67*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,995.63	2,100.82
		For Flat Filter Box And Throwaway Filters, Add	*1,249.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,408.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,598.29*	
		For Manual Roll Filter, Add	*6,346.69*	
		For Automatic Roll Filter, Add	*6,896.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,048.60*	
		For Electric Heating Coil, Add	*5,247.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,247.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,697.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,147.97*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,448.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,346.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,797.01*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,147.97*	
		For Variable Air Volume, Add	*1,539.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,401.11*	
		For 2 Coils, Independent Circuits, Add	*1,619.44*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,650.91	2,257.76
		For Flat Filter Box And Throwaway Filters, Add	*1,303.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,510.88*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,750.19*	
		For Manual Roll Filter, Add	*6,606.57*	
		For Automatic Roll Filter, Add	*7,177.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,178.92*	
		For Electric Heating Coil, Add	*5,464.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,464.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,892.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,321.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,588.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,606.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,035.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,321.47*	
		For Variable Air Volume, Add	*1,599.57*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,523.98*	
		For 2 Coils, Independent Circuits, Add	*1,693.60*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,092.61	2,606.53
		For Flat Filter Box And Throwaway Filters, Add	*1,423.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,734.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,082.82*	
		For Manual Roll Filter, Add	*7,174.78*	
		For Automatic Roll Filter, Add	*7,793.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,464.43*	
		For Electric Heating Coil, Add	*5,937.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,937.99*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,319.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,701.21*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,896.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,174.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,556.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,701.21*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,429.92*	
		For 2 Coils, Independent Circuits, Add	*1,856.62*	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,092.61	2,606.53
		For Flat Filter Box And Throwaway Filters, Add	*1,423.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,734.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,082.82*	
		For Manual Roll Filter, Add	*7,174.78*	
		For Automatic Roll Filter, Add	*7,793.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,464.43*	
		For Electric Heating Coil, Add	*5,937.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,937.99*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,319.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,701.21*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,896.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,174.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,556.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,701.21*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,429.92*	
		For 2 Coils, Independent Circuits, Add	*1,856.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,666.38	2,993.83
		For Flat Filter Box And Throwaway Filters, Add	*1,552.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,977.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,444.37*	
		For Manual Roll Filter, Add	*7,791.53*	
		For Automatic Roll Filter, Add	*8,460.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,774.93*	
		For Electric Heating Coil, Add	*6,452.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,452.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,783.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,113.80*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,230.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,791.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,122.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,113.80*	
		For Variable Air Volume, Add	*1,874.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,651.10*	
		For 2 Coils, Independent Circuits, Add	*2,034.41*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,579.49	3,248.06
		For Flat Filter Box And Throwaway Filters, Add	*1,625.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,112.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,645.61*	
		For Manual Roll Filter, Add	*8,130.19*	
		For Automatic Roll Filter, Add	*8,827.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,948.70*	
		For Electric Heating Coil, Add	*6,736.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,736.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,039.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,342.53*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,413.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,130.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,433.28*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,342.53*	
		For Variable Air Volume, Add	*1,951.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,796.47*	
		For 2 Coils, Independent Circuits, Add	*2,136.72*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,473.29	3,489.44
		For Flat Filter Box And Throwaway Filters, Add	*1,698.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,246.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,844.93*	
		For Manual Roll Filter, Add	*8,466.93*	
		For Automatic Roll Filter, Add	*9,191.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,120.53*	
		For Electric Heating Coil, Add	*7,018.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,018.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,293.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,569.33*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,595.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,466.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,742.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,569.33*	
		For Variable Air Volume, Add	*2,028.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,934.12*	
		For 2 Coils, Independent Circuits, Add	*2,237.09*	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,372.90	3,735.41
		For Flat Filter Box And Throwaway Filters, Add	*1,770.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,381.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,044.83*	
		For Manual Roll Filter, Add	*8,804.25*	
		For Automatic Roll Filter, Add	*9,556.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,292.94*	
		For Electric Heating Coil, Add	*7,300.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,300.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,548.59*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,796.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,778.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,804.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,052.36*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,796.71*	
		For Variable Air Volume, Add	*2,105.28*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,074.09*	
		For 2 Coils, Independent Circuits, Add	*2,338.04*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,410.16	4,020.84
		For Flat Filter Box And Throwaway Filters, Add	*1,853.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,535.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,274.19*	
		For Manual Roll Filter, Add	*9,190.67*	
		For Automatic Roll Filter, Add	*9,973.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,490.90*	
		For Electric Heating Coil, Add	*7,624.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,624.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,840.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,057.49*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,986.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,190.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,407.37*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,057.49*	
		For Variable Air Volume, Add	*2,193.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,237.71*	
		For 2 Coils, Independent Circuits, Add	*2,454.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,464.12	4,308.11
		For Flat Filter Box And Throwaway Filters, Add	*1,937.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,690.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,505.23*	
		For Manual Roll Filter, Add	*9,578.76*	
		For Automatic Roll Filter, Add	*10,393.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,690.53*	
		For Electric Heating Coil, Add	*7,949.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,949.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,134.64*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,319.94*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,196.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,578.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,764.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,319.94*	
		For Variable Air Volume, Add	*2,281.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,031.01*	
		For 2 Coils, Independent Circuits, Add	*2,572.29*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,552.53	4,639.30
		For Flat Filter Box And Throwaway Filters, Add	*2,023.74*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,848.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,739.71*	
		For Manual Roll Filter, Add	*9,970.29*	
		For Automatic Roll Filter, Add	*10,816.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,893.60*	
		For Electric Heating Coil, Add	*8,278.06*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,278.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,431.94*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,585.83*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,408.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,970.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,124.17*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,585.83*	
		For Variable Air Volume, Add	*2,369.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,169.07*	
		For 2 Coils, Independent Circuits, Add	*2,693.70*	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,793.68	5,025.83
		For Flat Filter Box And Throwaway Filters, Add	*2,121.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,027.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,005.18*	
		For Manual Roll Filter, Add	*10,412.44*	
		For Automatic Roll Filter, Add	*11,293.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,123.72*	
		For Electric Heating Coil, Add	*8,649.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,649.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,768.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,886.63*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,646.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,412.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,530.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,886.63*	
		For Variable Air Volume, Add	*2,468.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,329.39*	
		For 2 Coils, Independent Circuits, Add	*2,831.95*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,003.20	5,365.93
		For Flat Filter Box And Throwaway Filters, Add	*2,216.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,203.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,267.47*	
		For Manual Roll Filter, Add	*10,851.42*	
		For Automatic Roll Filter, Add	*11,768.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,350.69*	
		For Electric Heating Coil, Add	*9,017.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,017.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,101.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,184.26*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,884.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,851.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,934.63*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,184.26*	
		For Variable Air Volume, Add	*2,567.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,480.23*	
		For 2 Coils, Independent Circuits, Add	*2,967.04*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,086.19	5,195.62
		For Flat Filter Box And Throwaway Filters, Add	*2,238.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,255.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,346.45*	
		For Manual Roll Filter, Add	*11,018.73*	
		For Automatic Roll Filter, Add	*11,953.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,411.99*	
		For Electric Heating Coil, Add	*9,149.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,149.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,215.36*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,280.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,976.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,018.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,084.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,280.90*	
		For Variable Air Volume, Add	*2,616.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,399.12*	
		For 2 Coils, Independent Circuits, Add	*2,982.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,275.66	5,764.38
		For Flat Filter Box And Throwaway Filters, Add	*2,315.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,384.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,536.07*	
		For Manual Roll Filter, Add	*11,296.69*	
		For Automatic Roll Filter, Add	*12,248.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,583.94*	
		For Electric Heating Coil, Add	*9,392.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,392.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,440.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,488.19*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,124.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,296.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,344.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,488.19*	
		For Variable Air Volume, Add	*2,665.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,649.95*	
		For 2 Coils, Independent Circuits, Add	*3,108.42*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,708.79	5,995.93
		For Flat Filter Box And Throwaway Filters, Add	*2,444.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,633.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,907.10*	
		For Manual Roll Filter, Add	*11,952.38*	
		For Automatic Roll Filter, Add	*12,961.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,898.05*	
		For Electric Heating Coil, Add	*9,934.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,934.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,925.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,916.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,480.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,952.38*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,943.33*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,916.16*	
		For Variable Air Volume, Add	*2,825.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,105.53*	
		For 2 Coils, Independent Circuits, Add	*3,274.50*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,223.86	6,228.13
		For Flat Filter Box And Throwaway Filters, Add	*2,577.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,887.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,286.34*	
		For Manual Roll Filter, Add	*12,616.27*	
		For Automatic Roll Filter, Add	*13,682.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,220.35*	
		For Electric Heating Coil, Add	*10,484.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,484.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,418.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,352.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,841.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,616.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,550.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,352.32*	
		For Variable Air Volume, Add	*2,984.77*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,180.82*	
		For 2 Coils, Independent Circuits, Add	*3,448.78*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	31,819.92	6,467.67
		For Flat Filter Box And Throwaway Filters, Add	*2,721.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,167.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,705.08*	
		For Manual Roll Filter, Add	*13,358.93*	
		For Automatic Roll Filter, Add	*14,489.70*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,574.31*	
		For Electric Heating Coil, Add	*11,097.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,097.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,966.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,835.85*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,244.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,358.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,228.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,835.85*	
		For Variable Air Volume, Add	*3,166.16*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,240.90*	
		For 2 Coils, Independent Circuits, Add	*3,634.30*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	33,489.15	6,707.48
		For Flat Filter Box And Throwaway Filters, Add	*2,870.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,452.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,131.14*	
		For Manual Roll Filter, Add	*14,108.91*	
		For Automatic Roll Filter, Add	*15,304.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,935.58*	
		For Electric Heating Coil, Add	*11,717.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,717.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,522.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,326.69*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,652.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,108.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,913.36*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,326.69*	
		For Variable Air Volume, Add	*3,347.55*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,315.61*	
		For 2 Coils, Independent Circuits, Add	*3,827.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	37,291.75	7,190.89
		For Flat Filter Box And Throwaway Filters, Add	*3,215.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,122.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,482.39*	
		For Manual Roll Filter, Add	*15,074.58*	
		For Automatic Roll Filter, Add	*15,884.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,430.46*	
		For Electric Heating Coil, Add	*6,970.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,833.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,482.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,131.75*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,267.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,534.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,183.68*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,482.39*	
		For Variable Air Volume, Add	*3,781.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,533.81*	
		For 2 Coils, Independent Circuits, Add	*4,269.43*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	41,343.69	7,749.83
		For Flat Filter Box And Throwaway Filters, Add	*3,578.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,824.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,692.47*	
		For Manual Roll Filter, Add	*16,831.99*	
		For Automatic Roll Filter, Add	*17,738.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,157.61*	
		For Electric Heating Coil, Add	*7,762.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,204.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,692.47*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,180.85*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,113.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,227.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,715.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,692.47*	
		For Variable Air Volume, Add	*4,232.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,679.47*	
		For 2 Coils, Independent Circuits, Add	*4,739.02*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	45,755.27	8,303.78
		For Flat Filter Box And Throwaway Filters, Add	*3,981.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,607.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,046.49*	
		For Manual Roll Filter, Add	*18,806.75*	
		For Automatic Roll Filter, Add	*19,823.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,963.91*	
		For Electric Heating Coil, Add	*8,641.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,740.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,046.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,352.30*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,064.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,129.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,434.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*13,046.49*	
		For Variable Air Volume, Add	*4,743.74*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,812.50*	
		For 2 Coils, Independent Circuits, Add	*5,253.20*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	56,116.97	8,942.95
		For Flat Filter Box And Throwaway Filters, Add	*4,973.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,563.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,448.25*	
		For Manual Roll Filter, Add	*23,817.11*	
		For Automatic Roll Filter, Add	*25,117.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,946.32*	
		For Electric Heating Coil, Add	*10,813.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,615.56*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,448.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,280.94*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,475.09*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,950.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,782.87*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,448.25*	
		For Variable Air Volume, Add	*6,068.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,969.88*	
		For 2 Coils, Independent Circuits, Add	*6,478.62*	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	62,626.12	9,545.29
		For Flat Filter Box And Throwaway Filters, Add	*5,581.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,753.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,512.63*	
		For Manual Roll Filter, Add	*26,842.65*	
		For Automatic Roll Filter, Add	*28,312.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,162.62*	
		For Electric Heating Coil, Add	*12,142.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,962.64*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,512.63*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,062.63*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,931.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,862.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,412.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,512.63*	
		For Variable Air Volume, Add	*6,860.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,808.91*	
		For 2 Coils, Independent Circuits, Add	*7,242.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	68,584.72	10,278.86
		For Flat Filter Box And Throwaway Filters, Add	*6,124.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,808.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,335.46*	
		For Manual Roll Filter, Add	*29,499.81*	
		For Automatic Roll Filter, Add	*31,117.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,249.27*	
		For Electric Heating Coil, Add	*13,327.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,030.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,335.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,640.06*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,210.82*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,421.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,726.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,335.46*	
		For Variable Air Volume, Add	*7,547.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,966.52*	
		For 2 Coils, Independent Circuits, Add	*7,936.63*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	75,233.18	12,606.86
		For Flat Filter Box And Throwaway Filters, Add	*6,726.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,973.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,345.06*	
		For Manual Roll Filter, Add	*32,423.84*	
		For Automatic Roll Filter, Add	*34,202.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,452.01*	
		For Electric Heating Coil, Add	*14,637.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,309.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,345.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,380.71*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,619.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,238.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,273.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,345.06*	
		For Variable Air Volume, Add	*8,300.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,156.93*	
		For 2 Coils, Independent Circuits, Add	*8,709.06*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	80,943.46	11,839.63
		For Flat Filter Box And Throwaway Filters, Add	*7,249.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,990.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,103.79*	
		For Manual Roll Filter, Add	*34,990.21*	
		For Automatic Roll Filter, Add	*36,911.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,498.12*	
		For Electric Heating Coil, Add	*15,778.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,305.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*24,103.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,901.90*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,854.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,709.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,507.56*	
		For Hot Water Heating Coil, Copper Fins, Add	*24,103.79*	
		For Variable Air Volume, Add	*8,965.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,300.86*	
		For 2 Coils, Independent Circuits, Add	*9,375.10*	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	87,296.11	12,665.51
		For Flat Filter Box And Throwaway Filters, Add	*7,821.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,099.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*26,015.10*	
		For Manual Roll Filter, Add	*37,769.23*	
		For Automatic Roll Filter, Add	*39,843.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,643.81*	
		For Electric Heating Coil, Add	*17,026.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,472.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,015.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,558.00*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,193.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,386.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,929.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*26,015.10*	
		For Variable Air Volume, Add	*9,679.87*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,099.27*	
		For 2 Coils, Independent Circuits, Add	*10,112.45*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	94,214.75	13,675.22
		For Flat Filter Box And Throwaway Filters, Add	*8,444.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,303.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,090.98*	
		For Manual Roll Filter, Add	*40,786.24*	
		For Automatic Roll Filter, Add	*43,026.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,889.28*	
		For Electric Heating Coil, Add	*18,382.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,824.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,090.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,357.08*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,646.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,292.68*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,558.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,090.98*	
		For Variable Air Volume, Add	*10,454.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,272.09*	
		For 2 Coils, Independent Circuits, Add	*10,915.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	98,155.98	14,317.54
		For Flat Filter Box And Throwaway Filters, Add	*8,794.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,977.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*29,250.73*	
		For Manual Roll Filter, Add	*42,466.61*	
		For Automatic Roll Filter, Add	*44,798.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,589.65*	
		For Electric Heating Coil, Add	*19,144.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*33,137.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,250.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,363.70*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,455.90*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,911.80*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*37,024.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*29,250.73*	
		For Variable Air Volume, Add	*10,883.67*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,381.93*	
		For 2 Coils, Independent Circuits, Add	*11,370.41*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	101,869.34	14,868.21
		For Flat Filter Box And Throwaway Filters, Add	*9,125.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,614.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,348.42*	
		For Manual Roll Filter, Add	*44,058.24*	
		For Automatic Roll Filter, Add	*46,477.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,251.53*	
		For Electric Heating Coil, Add	*19,864.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,380.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,348.42*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,316.13*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,222.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,445.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,413.02*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,348.42*	
		For Variable Air Volume, Add	*11,290.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,482.92*	
		For 2 Coils, Independent Circuits, Add	*11,799.85*	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	109,816.98	15,877.78
		For Flat Filter Box And Throwaway Filters, Add	*9,847.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,013.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,762.78*	
		For Manual Roll Filter, Add	*47,573.92*	
		For Automatic Roll Filter, Add	*50,187.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,694.13*	
		For Electric Heating Coil, Add	*21,436.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*37,119.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,762.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,406.57*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,915.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,831.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,475.22*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,762.78*	
		For Variable Air Volume, Add	*12,197.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,666.58*	
		For 2 Coils, Independent Circuits, Add	*12,724.18*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	120,081.59	16,979.13
		For Flat Filter Box And Throwaway Filters, Add	*10,794.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,859.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,958.52*	
		For Manual Roll Filter, Add	*52,244.76*	
		For Automatic Roll Filter, Add	*55,118.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,588.30*	
		For Electric Heating Coil, Add	*23,504.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,748.59*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,958.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*31,168.45*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*25,164.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,328.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,538.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*35,958.52*	
		For Variable Air Volume, Add	*13,412.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,328.02*	
		For 2 Coils, Independent Circuits, Add	*13,924.19*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	131,604.18	18,355.82
		For Flat Filter Box And Throwaway Filters, Add	*11,849.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,911.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,505.81*	
		For Manual Roll Filter, Add	*57,420.68*	
		For Automatic Roll Filter, Add	*60,582.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,698.58*	
		For Electric Heating Coil, Add	*25,806.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,774.89*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,505.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,236.73*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,656.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*55,313.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*50,043.97*	
		For Hot Water Heating Coil, Copper Fins, Add	*39,505.81*	
		For Variable Air Volume, Add	*14,753.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,522.26*	
		For 2 Coils, Independent Circuits, Add	*15,268.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	144,446.07	19,916.06
		For Flat Filter Box And Throwaway Filters, Add	*13,019.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,183.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,430.43*	
		For Manual Roll Filter, Add	*63,140.79*	
		For Automatic Roll Filter, Add	*66,619.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*26,038.94*	
		For Electric Heating Coil, Add	*28,357.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*49,227.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,430.43*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,633.27*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,410.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,821.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*55,024.76*	
		For Hot Water Heating Coil, Copper Fins, Add	*43,430.43*	
		For Variable Air Volume, Add	*16,232.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,750.28*	
		For 2 Coils, Independent Circuits, Add	*16,763.47*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,641.27	1,651.76
		For Economizer, Panel, Controls And Damper(s), Add	*2,291.45*	
		For Flat Filter Box And Throwaway Filters, Add	*746.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,421.56*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,806.44*	
		For Manual Roll Filter, Add	*3,691.05*	
		For Automatic Roll Filter, Add	*3,691.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*864.13*	
		For Electric Heating Coil, Add	*989.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,062.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,062.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,691.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,691.05*	
		For 2 Coils, Independent Circuits, Add	*989.77*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,769.64	2,069.36
		For Economizer, Panel, Controls And Damper(s), Add	*2,709.43*	
		For Flat Filter Box And Throwaway Filters, Add	*929.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,769.61*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,248.96*	
		For Manual Roll Filter, Add	*4,592.95*	
		For Automatic Roll Filter, Add	*4,592.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,076.96*	
		For Electric Heating Coil, Add	*1,233.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,811.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,811.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,592.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,592.95*	
		For 2 Coils, Independent Circuits, Add	*1,233.23*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,275.90	2,202.43
		For Economizer, Panel, Controls And Damper(s), Add	*2,842.26*	
		For Flat Filter Box And Throwaway Filters, Add	*1,170.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,246.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,847.06*	
		For Manual Roll Filter, Add	*5,886.01*	
		For Automatic Roll Filter, Add	*5,886.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,327.59*	
		For Electric Heating Coil, Add	*1,530.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,873.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,873.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,886.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,886.01*	
		For 2 Coils, Independent Circuits, Add	*1,530.19*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,812.28	2,358.46
		For Economizer, Panel, Controls And Damper(s), Add	*2,997.85*	
		For Flat Filter Box And Throwaway Filters, Add	*1,212.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,324.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,947.82*	
		For Manual Roll Filter, Add	*6,081.00*	
		For Automatic Roll Filter, Add	*6,081.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,381.23*	
		For Electric Heating Coil, Add	*1,590.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,036.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,036.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,081.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,081.00*	
		For 2 Coils, Independent Circuits, Add	*1,590.11*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,136.78	2,528.25
		For Economizer, Panel, Controls And Damper(s), Add	*3,168.34*	
		For Flat Filter Box And Throwaway Filters, Add	*1,433.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,757.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,492.41*	
		For Manual Roll Filter, Add	*7,249.87*	
		For Automatic Roll Filter, Add	*7,249.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,613.68*	
		For Electric Heating Coil, Add	*1,864.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,997.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,997.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,249.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,249.87*	
		For 2 Coils, Independent Circuits, Add	*1,864.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,020.71	2,707.49
		For Economizer, Panel, Controls And Damper(s), Add	*3,347.35*	
		For Flat Filter Box And Throwaway Filters, Add	*1,508.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,901.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,675.03*	
		For Manual Roll Filter, Add	*7,620.95*	
		For Automatic Roll Filter, Add	*7,620.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,702.07*	
		For Electric Heating Coil, Add	*1,965.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,305.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,305.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,620.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,620.95*	
		For 2 Coils, Independent Circuits, Add	*1,965.13*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,950.09	2,890.91
		For Economizer, Panel, Controls And Damper(s), Add	*3,530.69*	
		For Flat Filter Box And Throwaway Filters, Add	*1,588.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,053.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,868.09*	
		For Manual Roll Filter, Add	*8,014.25*	
		For Automatic Roll Filter, Add	*8,014.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,795.01*	
		For Electric Heating Coil, Add	*2,071.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,632.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,632.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,014.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,014.25*	
		For 2 Coils, Independent Circuits, Add	*2,071.42*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,009.40	3,102.14
		For Economizer, Panel, Controls And Damper(s), Add	*3,182.12*	
		For Flat Filter Box And Throwaway Filters, Add	*1,779.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,427.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,339.05*	
		For Manual Roll Filter, Add	*9,015.26*	
		For Automatic Roll Filter, Add	*9,015.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,000.94*	
		For Electric Heating Coil, Add	*2,312.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,456.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,456.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,015.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,015.26*	
		For 2 Coils, Independent Circuits, Add	*2,312.69*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,864.80	3,322.14
		For Economizer, Panel, Controls And Damper(s), Add	*3,360.40*	
		For Flat Filter Box And Throwaway Filters, Add	*1,949.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,755.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,754.27*	
		For Manual Roll Filter, Add	*9,889.86*	
		For Automatic Roll Filter, Add	*9,889.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,186.48*	
		For Electric Heating Coil, Add	*2,528.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,178.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,178.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,889.86*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,889.86*	
		For 2 Coils, Independent Circuits, Add	*2,528.85*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,118.32	3,548.18
		For Economizer, Panel, Controls And Damper(s), Add	*3,531.56*	
		For Flat Filter Box And Throwaway Filters, Add	*2,058.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,966.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,020.97*	
		For Manual Roll Filter, Add	*10,439.25*	
		For Automatic Roll Filter, Add	*10,439.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,311.83*	
		For Electric Heating Coil, Add	*2,673.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,633.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,633.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,439.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,439.25*	
		For 2 Coils, Independent Circuits, Add	*2,673.05*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,481.22	3,790.74
		For Economizer, Panel, Controls And Damper(s), Add	*3,729.84*	
		For Flat Filter Box And Throwaway Filters, Add	*2,277.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,391.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,557.62*	
		For Manual Roll Filter, Add	*11,576.62*	
		For Automatic Roll Filter, Add	*11,576.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,548.12*	
		For Electric Heating Coil, Add	*2,949.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,570.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,570.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,576.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,576.62*	
		For 2 Coils, Independent Circuits, Add	*2,949.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,114.80	4,056.89
		For Economizer, Panel, Controls And Damper(s), Add	*3,937.28*	
		For Flat Filter Box And Throwaway Filters, Add	*2,421.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,669.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,909.44*	
		For Manual Roll Filter, Add	*12,305.37*	
		For Automatic Roll Filter, Add	*12,305.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,711.48*	
		For Electric Heating Coil, Add	*3,137.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,173.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,173.39*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,305.37*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,305.37*	
		For 2 Coils, Independent Circuits, Add	*3,137.88*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,728.33	4,405.39
		For Economizer, Panel, Controls And Damper(s), Add	*4,208.61*	
		For Flat Filter Box And Throwaway Filters, Add	*2,658.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,128.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,488.82*	
		For Manual Roll Filter, Add	*13,520.81*	
		For Automatic Roll Filter, Add	*13,520.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,972.83*	
		For Electric Heating Coil, Add	*3,441.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,176.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,176.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,520.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,520.81*	
		For 2 Coils, Independent Circuits, Add	*3,441.63*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,943.38	4,745.11
		For Economizer, Panel, Controls And Damper(s), Add	*4,476.73*	
		For Flat Filter Box And Throwaway Filters, Add	*2,855.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,507.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,969.46*	
		For Manual Roll Filter, Add	*14,519.72*	
		For Automatic Roll Filter, Add	*14,519.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,194.34*	
		For Electric Heating Coil, Add	*3,697.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,002.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,002.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,519.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,519.72*	
		For 2 Coils, Independent Circuits, Add	*3,697.69*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	33,542.14	5,130.45
		For Economizer, Panel, Controls And Damper(s), Add	*3,865.81*	
		For Flat Filter Box And Throwaway Filters, Add	*2,988.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,757.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,288.36*	
		For Manual Roll Filter, Add	*15,156.64*	
		For Automatic Roll Filter, Add	*15,156.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,354.21*	
		For Electric Heating Coil, Add	*3,878.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,533.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,533.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,156.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,156.64*	
		For 2 Coils, Independent Circuits, Add	*3,878.77*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,200.39	5,534.02
		For Economizer, Panel, Controls And Damper(s), Add	*4,104.11*	
		For Flat Filter Box And Throwaway Filters, Add	*3,324.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,411.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,113.56*	
		For Manual Roll Filter, Add	*16,900.59*	
		For Automatic Roll Filter, Add	*16,900.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,720.04*	
		For Electric Heating Coil, Add	*4,305.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,971.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,971.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,900.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,900.59*	
		For 2 Coils, Independent Circuits, Add	*4,305.84*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,191.98	5,965.38
		For Economizer, Panel, Controls And Damper(s), Add	*4,351.07*	
		For Flat Filter Box And Throwaway Filters, Add	*3,492.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,729.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,518.84*	
		For Manual Roll Filter, Add	*17,718.14*	
		For Automatic Roll Filter, Add	*17,718.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,919.20*	
		For Electric Heating Coil, Add	*4,532.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,651.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,651.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,718.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,718.14*	
		For 2 Coils, Independent Circuits, Add	*4,532.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	41,396.48	6,461.25
		For Economizer, Panel, Controls And Damper(s), Add	*4,620.36*	
		For Flat Filter Box And Throwaway Filters, Add	*3,679.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,083.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,968.98*	
		For Manual Roll Filter, Add	*18,627.65*	
		For Automatic Roll Filter, Add	*18,627.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,139.65*	
		For Electric Heating Coil, Add	*4,783.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,408.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,408.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,627.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,627.65*	
		For 2 Coils, Independent Circuits, Add	*4,783.56*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,775.91	6,974.81
		For Economizer, Panel, Controls And Damper(s), Add	*4,171.17*	
		For Flat Filter Box And Throwaway Filters, Add	*3,879.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,459.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,448.39*	
		For Manual Roll Filter, Add	*19,589.99*	
		For Automatic Roll Filter, Add	*19,589.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,377.59*	
		For Electric Heating Coil, Add	*5,053.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,209.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,209.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,589.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,589.99*	
		For 2 Coils, Independent Circuits, Add	*5,053.70*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,018.71	7,241.37
		For Economizer, Panel, Controls And Damper(s), Add	*4,290.76*	
		For Flat Filter Box And Throwaway Filters, Add	*3,983.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,655.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,699.30*	
		For Manual Roll Filter, Add	*20,094.15*	
		For Automatic Roll Filter, Add	*20,094.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,501.87*	
		For Electric Heating Coil, Add	*5,194.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,629.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,629.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,094.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,094.15*	
		For 2 Coils, Independent Circuits, Add	*5,194.86*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,201.60	7,499.79
		For Economizer, Panel, Controls And Damper(s), Add	*4,392.39*	
		For Flat Filter Box And Throwaway Filters, Add	*4,084.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,848.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,944.21*	
		For Manual Roll Filter, Add	*20,592.30*	
		For Automatic Roll Filter, Add	*20,592.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,620.16*	
		For Electric Heating Coil, Add	*5,330.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,042.94*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,042.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,592.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,592.30*	
		For 2 Coils, Independent Circuits, Add	*5,330.03*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	52,164.86	7,801.22
		For Economizer, Panel, Controls And Damper(s), Add	*3,634.88*	
		For Flat Filter Box And Throwaway Filters, Add	*4,657.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,980.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,365.05*	
		For Manual Roll Filter, Add	*23,662.19*	
		For Automatic Roll Filter, Add	*23,662.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,216.49*	
		For Electric Heating Coil, Add	*6,036.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,563.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,563.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,662.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,662.19*	
		For 2 Coils, Independent Circuits, Add	*6,036.30*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	58,078.78	8,110.26
		For Economizer, Panel, Controls And Damper(s), Add	*3,763.52*	
		For Flat Filter Box And Throwaway Filters, Add	*5,228.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,108.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,780.97*	
		For Manual Roll Filter, Add	*26,727.15*	
		For Automatic Roll Filter, Add	*26,727.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,807.88*	
		For Electric Heating Coil, Add	*6,737.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,078.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,078.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,727.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,727.15*	
		For 2 Coils, Independent Circuits, Add	*6,737.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	66,690.04	8,416.14
		For Economizer, Panel, Controls And Damper(s), Add	*3,837.88*	
		For Flat Filter Box And Throwaway Filters, Add	*6,068.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,775.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,870.04*	
		For Manual Roll Filter, Add	*31,272.11*	
		For Automatic Roll Filter, Add	*31,272.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,669.00*	
		For Electric Heating Coil, Add	*7,762.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,804.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,804.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,272.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,272.11*	
		For 2 Coils, Independent Circuits, Add	*7,762.48*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	75,307.31	8,719.01
		For Economizer, Panel, Controls And Damper(s), Add	*3,913.30*	
		For Flat Filter Box And Throwaway Filters, Add	*6,908.36*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,443.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,959.71*	
		For Manual Roll Filter, Add	*35,817.68*	
		For Automatic Roll Filter, Add	*35,817.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,530.73*	
		For Electric Heating Coil, Add	*8,787.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,531.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,531.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,817.68*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,817.68*	
		For 2 Coils, Independent Circuits, Add	*8,787.93*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	84,527.92	9,453.24
		For Economizer, Panel, Controls And Damper(s), Add	*4,097.74*	
		For Flat Filter Box And Throwaway Filters, Add	*7,777.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,599.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,106.78*	
		For Manual Roll Filter, Add	*29,760.76*	
		For Automatic Roll Filter, Add	*36,863.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,452.79*	
		For Electric Heating Coil, Add	*9,873.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,760.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,760.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,555.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,863.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,863.42*	
		For 2 Coils, Independent Circuits, Add	*9,873.32*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	91,166.77	10,279.26
		For Economizer, Panel, Controls And Damper(s), Add	*3,955.62*	
		For Flat Filter Box And Throwaway Filters, Add	*8,386.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,506.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,601.07*	
		For Manual Roll Filter, Add	*32,085.46*	
		For Automatic Roll Filter, Add	*39,741.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,116.68*	
		For Electric Heating Coil, Add	*10,647.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,085.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,085.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,772.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,741.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,741.73*	
		For 2 Coils, Independent Circuits, Add	*10,647.93*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	108,677.93	11,104.87
		For Economizer, Panel, Controls And Damper(s), Add	*4,144.07*	
		For Flat Filter Box And Throwaway Filters, Add	*10,074.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,032.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,790.41*	
		For Manual Roll Filter, Add	*38,713.03*	
		For Automatic Roll Filter, Add	*47,994.78*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,867.79*	
		For Electric Heating Coil, Add	*12,724.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,713.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,713.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,149.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,994.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*47,994.78*	
		For 2 Coils, Independent Circuits, Add	*12,724.14*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	122,807.83	12,023.06
		For Economizer, Panel, Controls And Damper(s), Add	*4,337.71*	
		For Flat Filter Box And Throwaway Filters, Add	*11,423.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,049.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,129.25*	
		For Manual Roll Filter, Add	*43,977.71*	
		For Automatic Roll Filter, Add	*54,543.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,280.78*	
		For Electric Heating Coil, Add	*14,393.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*43,977.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,977.71*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,846.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,543.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,543.35*	
		For 2 Coils, Independent Circuits, Add	*14,393.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	133,103.95	12,941.25
		For Economizer, Panel, Controls And Damper(s), Add	*4,539.34*	
		For Flat Filter Box And Throwaway Filters, Add	*12,385.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,485.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,501.65*	
		For Manual Roll Filter, Add	*47,692.90*	
		For Automatic Roll Filter, Add	*59,153.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,310.40*	
		For Electric Heating Coil, Add	*15,602.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,692.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,692.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,771.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*59,153.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*59,153.74*	
		For 2 Coils, Independent Circuits, Add	*15,602.56*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	148,823.76	15,143.15
		For Economizer, Panel, Controls And Damper(s), Add	*4,531.50*	
		For Flat Filter Box And Throwaway Filters, Add	*13,801.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,594.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,964.14*	
		For Manual Roll Filter, Add	*53,045.90*	
		For Automatic Roll Filter, Add	*65,767.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,882.38*	
		For Electric Heating Coil, Add	*17,426.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*53,045.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*53,045.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,603.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,767.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,767.08*	
		For 2 Coils, Independent Circuits, Add	*17,426.61*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	149,632.07	15,694.22
		For Economizer, Panel, Controls And Damper(s), Add	*4,632.54*	
		For Flat Filter Box And Throwaway Filters, Add	*13,842.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,651.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*34,044.97*	
		For Manual Roll Filter, Add	*53,126.73*	
		For Automatic Roll Filter, Add	*65,847.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,963.21*	
		For Electric Heating Coil, Add	*17,507.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*53,126.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*53,126.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,684.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,847.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,847.91*	
		For 2 Coils, Independent Circuits, Add	*17,507.44*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	156,486.87	16,244.38
		For Economizer, Panel, Controls And Damper(s), Add	*4,733.58*	
		For Flat Filter Box And Throwaway Filters, Add	*14,487.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,614.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,637.42*	
		For Manual Roll Filter, Add	*55,626.16*	
		For Automatic Roll Filter, Add	*68,951.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,648.69*	
		For Electric Heating Coil, Add	*18,313.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,626.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,626.16*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,974.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,951.98*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,951.98*	
		For 2 Coils, Independent Circuits, Add	*18,313.85*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	163,767.64	17,438.02
		For Economizer, Panel, Controls And Damper(s), Add	*4,941.85*	
		For Flat Filter Box And Throwaway Filters, Add	*15,132.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,573.56*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,207.69*	
		For Manual Roll Filter, Add	*58,038.61*	
		For Automatic Roll Filter, Add	*71,925.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,376.76*	
		For Electric Heating Coil, Add	*19,154.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*58,038.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*58,038.61*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,264.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,925.89*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,925.89*	
		For 2 Coils, Independent Circuits, Add	*19,154.22*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	176,444.14	18,355.82
		For Economizer, Panel, Controls And Damper(s), Add	*5,093.32*	
		For Flat Filter Box And Throwaway Filters, Add	*16,339.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,378.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*40,195.05*	
		For Manual Roll Filter, Add	*62,745.69*	
		For Automatic Roll Filter, Add	*77,779.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,644.41*	
		For Electric Heating Coil, Add	*20,651.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*62,745.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*62,745.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,678.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*77,779.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*77,779.45*	
		For 2 Coils, Independent Circuits, Add	*20,651.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	189,659.38	19,365.39
		For Economizer, Panel, Controls And Damper(s), Add	*4,670.00*	
		For Flat Filter Box And Throwaway Filters, Add	*17,580.94*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*26,232.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,259.85*	
		For Manual Roll Filter, Add	*67,553.76*	
		For Automatic Roll Filter, Add	*83,749.70*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,965.94*	
		For Electric Heating Coil, Add	*22,205.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*67,553.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*67,553.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*35,161.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*83,749.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*83,749.70*	
		For 2 Coils, Independent Circuits, Add	*22,205.13*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	204,269.85	20,558.52
		For Economizer, Panel, Controls And Damper(s), Add	*4,835.37*	
		For Flat Filter Box And Throwaway Filters, Add	*18,959.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*28,292.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*46,664.41*	
		For Manual Roll Filter, Add	*72,901.83*	
		For Automatic Roll Filter, Add	*90,393.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,426.99*	
		For Electric Heating Coil, Add	*23,925.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*72,901.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*72,901.83*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,918.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*90,393.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*90,393.45*	
		For 2 Coils, Independent Circuits, Add	*23,925.31*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	219,035.49	21,109.19
		For Economizer, Panel, Controls And Damper(s), Add	*4,910.25*	
		For Flat Filter Box And Throwaway Filters, Add	*20,398.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*30,447.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*50,243.50*	
		For Manual Roll Filter, Add	*78,583.45*	
		For Automatic Roll Filter, Add	*97,476.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,903.55*	
		For Electric Heating Coil, Add	*25,682.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*78,583.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*78,583.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,796.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*97,476.75*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*97,476.75*	
		For 2 Coils, Independent Circuits, Add	*25,682.21*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,879.91	734.10
23 73 13 00-0090	EA	500 CFM Return Air Fan	5,030.66	880.95
23 73 13 00-0091	EA	750 CFM Return Air Fan	5,254.70	917.66
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,997.35	972.73
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	6,180.05	1,018.62
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	6,323.54	1,064.51
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,636.67	1,119.57
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	7,379.32	1,174.64
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,731.36	1,229.71
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,927.23	1,284.77
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	8,396.87	1,422.44
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,619.16	1,495.87
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,828.04	1,560.11
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	9,089.38	1,633.67
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	9,324.37	1,716.27
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,768.79	1,918.18
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	11,100.13	2,276.12
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	11,387.69	2,312.84
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	11,517.37	2,322.01
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	12,117.35	2,358.72
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	12,386.66	2,386.26
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	13,029.96	2,478.43
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	13,874.21	2,523.80
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	15,657.80	2,595.52
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	17,067.30	2,734.88
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	20,283.24	2,853.94
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	21,254.55	2,953.45
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	22,218.47	3,037.88
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	23,554.36	3,340.76
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	25,182.09	3,524.05
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	28,400.22	3,670.77
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	33,454.86	4,037.89
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	41,152.52	4,588.56
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	50,059.03	4,754.16
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	52,396.66	4,891.44
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	53,602.98	5,019.92
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	56,213.87	5,240.06
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	59,043.52	5,498.09
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	63,499.58	5,767.79
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	66,318.40	6,073.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	68,483.25	6,419.42
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	73,627.14	6,713.24
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	79,201.67	7,034.34
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	85,251.93	7,388.74
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	93,269.08	7,782.34

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	3,361.87	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,560.45	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,673.15	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	10,351.03	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,661.67	2,341.17
		For Unit Without Heat, Deduct	*-489.16*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,483.79	2,447.57
		For Unit Without Heat, Deduct	*-537.36*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,840.58	2,553.99
		For Unit Without Heat, Deduct	*-612.30*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,476.09	2,713.62
		For Unit Without Heat, Deduct	*-704.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,330.96	2,873.25
		For Unit Without Heat, Deduct	*-758.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	13,118.40	3,086.07
		For Unit Without Heat, Deduct	*-861.66*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,613.50	3,245.70
		For Unit Without Heat, Deduct	*-997.06*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,470.52	3,458.53
		For Unit Without Heat, Deduct	*-1,054.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	20,089.60	3,737.35
		For Unit Without Heat, Deduct	*-1,253.67*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,801.33	4,017.22
		For Unit Without Heat, Deduct	*-1,357.88*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	24,839.71	4,296.38
		For Unit Without Heat, Deduct	*-1,528.42*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,946.44	4,575.90
		For Unit Without Heat, Deduct	*-1,702.38*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	31,092.28	5,041.30
		For Unit Without Heat, Deduct	*-1,890.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	33,203.45	5,507.05
		For Unit Without Heat, Deduct	*-2,027.31*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,697.47	6,026.01
		For Unit Without Heat, Deduct	*-2,186.60*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,968.90	6,544.61
		For Unit Without Heat, Deduct	*-2,384.75*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	45,197.36	7,635.38
		For Unit Without Heat, Deduct	*-2,768.89*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	51,868.51	8,726.14
		For Unit Without Heat, Deduct	*-3,175.17*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	56,822.92	9,843.52
		For Unit Without Heat, Deduct	*-3,497.38*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	65,425.71	10,960.89
		For Unit Without Heat, Deduct	*-4,002.01*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	72,813.06	12,025.05
		For Unit Without Heat, Deduct	*-4,442.32*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,773.41*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	78,756.60	13,089.22
		For Unit Without Heat, Deduct	*-4,810.45*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,773.41*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	84,443.71	14,153.38
		For Unit Without Heat, Deduct	*-5,165.74*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,015.05*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	90,811.46	15,217.55
		For Unit Without Heat, Deduct	*-5,555.08*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,015.05*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	98,346.35	16,388.13
		For Unit Without Heat, Deduct	*-6,009.86*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,354.12*	

23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	6,485.34	2,128.33
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	7,562.32	2,447.57
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	9,467.20	2,820.03
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	10,703.55	3,032.87
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	12,073.19	3,272.31
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	14,029.97	3,431.93
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	17,345.43	2,846.64
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	17,856.90	3,830.99
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	22,150.42	4,150.24
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	24,083.87	4,469.48
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	27,885.38	4,788.74
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	35,089.00	5,107.99
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	42,686.76	5,640.07
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	50,284.52	6,101.21
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	51,900.32	6,704.23
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	54,247.92	7,236.31
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	60,506.57	8,460.10
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	67,318.08	9,683.90
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	72,978.02	10,907.68
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	78,050.50	12,131.47
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	85,847.12	13,355.26
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,773.41*	
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	93,328.44	14,579.05
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,773.41*	
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	100,583.75	15,190.94
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,015.05*	
23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	107,910.04	15,776.23
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,015.05*	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	118,386.00	16,388.13
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,354.12*	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	113,050.17	17,026.63
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,354.12*	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	162,188.33	20,006.28
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,354.12*	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	183,140.36	24,369.37
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,354.12*	

23 74 16 13-0056 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0749 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0057 Packaged Rooftop Heat Pump Units *(23 74 16 13-0056)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0058	EA	2 Ton Packaged Rooftop Heat Pump	7,628.23	1,915.49
		For Economizer With Outside Air Control, Add	*2,342.59*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.71*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0059	EA	2.5 Ton Packaged Rooftop Heat Pump	8,042.82	2,059.23
		For Economizer With Outside Air Control, Add	*2,485.20*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*264.86*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0060	EA	3 Ton Packaged Rooftop Heat Pump	8,513.18	2,202.82
		For Economizer With Outside Air Control, Add	*2,639.53*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*278.80*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0061	EA	3.5 Ton Packaged Rooftop Heat Pump	9,137.21	2,370.39
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*298.83*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
		For Economizer With Outside Air Control, Add	*2,596.31*	
23 74 16 13-0062	EA	4 Ton Packaged Rooftop Heat Pump	9,761.49	2,538.11
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*318.87*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
		For Economizer With Outside Air Control, Add	*2,776.19*	
23 74 16 13-0063	EA	5 Ton Packaged Rooftop Heat Pump	10,464.81	2,729.65
		For Unit Without Roof Curb, Deduct	*-869.09*	
		For Economizer With Outside Air Control, Add	*2,980.03*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.01*	
23 74 16 13-0064	EA	6 Ton Packaged Rooftop Heat Pump	11,740.98	2,945.04
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*234.43*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
		For Economizer With Outside Air Control, Add	*3,291.80*	
23 74 16 13-0065	EA	7.5 Ton Packaged Rooftop Heat Pump	14,917.28	3,088.77
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*323.97*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
		For Economizer With Outside Air Control, Add	*3,355.04*	
23 74 16 13-0066	EA	8.5 Ton Packaged Rooftop Heat Pump	16,652.52	3,328.14
		For Economizer With Outside Air Control, Add	*3,562.43*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*366.45*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0067	EA	10 Ton Packaged Rooftop Heat Pump	17,870.86	3,447.89
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
		For Economizer With Outside Air Control, Add	*3,625.96*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*265.47*	
23 74 16 13-0068	EA	12.5 Ton Packaged Rooftop Heat Pump	20,663.02	3,735.22
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
		For Economizer With Outside Air Control, Add	*4,058.42*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*313.65*	
23 74 16 13-0069	EA	15 Ton Packaged Rooftop Heat Pump	23,455.19	4,022.54
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
		For Economizer With Outside Air Control, Add	*4,490.88*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*361.84*	
23 74 16 13-0070	EA	17.5 Ton Packaged Rooftop Heat Pump	26,218.79	4,309.86
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
		For Economizer With Outside Air Control, Add	*4,920.48*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*409.45*	
23 74 16 13-0071	EA	20 Ton Packaged Rooftop Heat Pump	28,982.39	4,597.19
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
		For Economizer With Outside Air Control, Add	*5,350.08*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*457.06*	

23 74 16 13-0072 Heating Only Packaged Rooftop Units *(23 74 16 13-0056)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0073	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,501.02	1,915.49
		For Gas Heat, Add	*473.99*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0074	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,798.58	2,202.82
		For Gas Heat, Add	*557.16*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0075	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,898.93	2,538.11
		For Gas Heat, Add	*765.24*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0076	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,383.59	2,729.65
		For Gas Heat, Add	*864.06*	
		For Unit Without Roof Curb, Deduct	*-869.09*	
23 74 16 13-0077	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,691.37	3,088.77
		For Gas Heat, Add	*1,016.03*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0078	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	17,629.64	3,328.14
		For Gas Heat, Add	*1,145.32*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0079	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,715.51	3,447.89
		For Gas Heat, Add	*1,358.14*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0080	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	26,770.54	4,022.54
		For Gas Heat, Add	*1,766.67*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0081	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	35,053.89	4,309.86
		For Gas Heat, Add	*2,338.84*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0082	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	40,788.78	4,597.19
		For Gas Heat, Add	*2,732.62*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0083	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	52,766.46	5,076.06
		For Gas Heat, Add	*3,558.29*	
		For Unit Without Roof Curb, Deduct	*-1,042.91*	
23 74 16 13-0084	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	65,895.35	6,459.48
		For Gas Heat, Add	*4,451.77*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0085	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	73,593.11	6,512.69
		For Gas Heat, Add	*4,977.85*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0086	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	89,511.48	7,614.17
		For Gas Heat, Add	*6,062.76*	
		For Unit Without Roof Curb, Deduct	*-1,508.28*	
23 74 16 13-0087	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	116,072.89	9,816.99
		For Gas Heat, Add	*7,863.32*	
		For Unit Without Roof Curb, Deduct	*-2,244.78*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0749 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0750 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,368.73	638.50
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,191.37*	
		For Equipment Base Roof Curb, Add	*1,014.17*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,791.68	723.63
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,872.14*	
		For Equipment Base Roof Curb, Add	*1,312.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,972.39	851.33
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,066.05*	
		For Equipment Base Roof Curb, Add	*1,828.98*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	15,110.96	908.08
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,075.70*	
		For Equipment Base Roof Curb, Add	*1,843.11*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,589.81	1,021.60
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,666.15*	
		For Equipment Base Roof Curb, Add	*2,522.65*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	31,147.65	1,277.00
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,705.80*	
		For Equipment Base Roof Curb, Add	*3,829.61*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0750 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	17,101.06	638.50
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,811.07*	
		For Equipment Base Roof Curb, Add	*2,105.71*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	24,419.97	723.63
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,960.63*	
		For Equipment Base Roof Curb, Add	*3,015.96*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	30,245.65	851.33
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,648.03*	
		For Equipment Base Roof Curb, Add	*3,738.14*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	39,113.98	1,021.60
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*11,223.40*	
		For Equipment Base Roof Curb, Add	*4,838.17*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	63,176.29	1,277.00
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*18,314.39*	
		For Equipment Base Roof Curb, Add	*7,833.19*	

23 80 Decentralized Unitary HVAC Equipment *(23)*

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,144.58	244.11
		For >35 To 70, Deduct	*-49.69*	
		For >70 To 100, Deduct	*-82.82*	
		For >100, Deduct	*-115.95*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,333.78	324.96
		For >35 To 70, Deduct	*-50.54*	
		For >70 To 100, Deduct	*-84.23*	
		For >100, Deduct	*-117.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,471.39	346.32
		For >35 To 70, Deduct	*-53.34*	
		For >70 To 100, Deduct	*-88.90*	
		For >100, Deduct	*-124.45*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,669.75	372.25
		For >35 To 70, Deduct	*-57.77*	
		For >70 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-134.79*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,346.93	288.35
		For >35 To 70, Deduct	*-53.14*	
		For >70 To 100, Deduct	*-88.56*	
		For >100, Deduct	*-123.99*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,483.57	324.96
		For >35 To 70, Deduct	*-55.03*	
		For >70 To 100, Deduct	*-91.72*	
		For >100, Deduct	*-128.41*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,579.94	346.32
		For >35 To 70, Deduct	*-56.59*	
		For >70 To 100, Deduct	*-94.32*	
		For >100, Deduct	*-132.05*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,813.03	372.25
		For >35 To 70, Deduct	*-62.06*	
		For >70 To 100, Deduct	*-103.44*	
		For >100, Deduct	*-144.82*	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	103.23
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	116.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	128.96	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	260.38	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units *(23 81 13)*

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit *(23 81 13 13)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0750 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,241.84	296.14
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,065.51	310.24
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	10,535.37	324.35
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	12,112.80	352.56
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	15,187.61	408.96
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,305.66	507.67
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	18,053.67	564.08
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	19,881.74	634.59
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	22,377.09	761.51
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	28,921.99	944.84
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	34,519.94	1,269.18
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	48,367.07	1,551.23
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	55,729.84	1,847.37
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	66,588.12	2,073.01

23 81 16 Room Air-Conditioners *(23 81)*

23 81 16 00-0001 Window Unit, Room Air-Conditioners *(23 81 16)*

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	541.11	136.71
		For >10 To 50, Deduct	*-13.39*	
		For >50 To 75, Deduct	*-18.74*	
		For >75 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-32.13*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	568.02	136.71
		For >10 To 50, Deduct	*-14.73*	
		For >50 To 75, Deduct	*-20.62*	
		For >75 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-35.35*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	635.29	136.71
		For >10 To 50, Deduct	*-18.09*	
		For >50 To 75, Deduct	*-25.33*	
		For >75 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-43.43*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	729.46	136.71
		For >10 To 50, Deduct	*-22.80*	
		For >50 To 75, Deduct	*-31.92*	
		For >75 To 100, Deduct	*-45.61*	
		For >100, Deduct	*-54.73*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	850.53	136.71
		For >10 To 50, Deduct	*-28.86*	
		For >50 To 75, Deduct	*-40.40*	
		For >75 To 100, Deduct	*-57.71*	
		For >100, Deduct	*-69.26*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	985.06	136.71
		For >10 To 50, Deduct	*-35.58*	
		For >50 To 75, Deduct	*-49.82*	
		For >75 To 100, Deduct	*-71.17*	
		For >100, Deduct	*-85.40*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	931.25	136.71
		For >10 To 50, Deduct	*-32.89*	
		For >50 To 75, Deduct	*-46.05*	
		For >75 To 100, Deduct	*-65.79*	
		For >100, Deduct	*-78.94*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	998.52	136.71
		For >10 To 50, Deduct	*-36.26*	
		For >50 To 75, Deduct	*-50.76*	
		For >75 To 100, Deduct	*-72.51*	
		For >100, Deduct	*-87.01*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,052.33	136.71
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,106.14	136.71
		For >10 To 50, Deduct	*-41.64*	
		For >50 To 75, Deduct	*-58.29*	
		For >75 To 100, Deduct	*-83.27*	
		For >100, Deduct	*-99.93*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,213.76	136.71
		For >10 To 50, Deduct	*-47.02*	
		For >50 To 75, Deduct	*-65.83*	
		For >75 To 100, Deduct	*-94.04*	
		For >100, Deduct	*-112.84*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,227.22	136.71
		For >10 To 50, Deduct	*-47.69*	
		For >50 To 75, Deduct	*-66.77*	
		For >75 To 100, Deduct	*-95.38*	
		For >100, Deduct	*-114.46*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	2,000.04	136.71
		For >10 To 50, Deduct	*-86.33*	
		For >50 To 75, Deduct	*-120.86*	
		For >75 To 100, Deduct	*-172.66*	
		For >100, Deduct	*-207.20*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,120.46	136.71
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,325.89	136.71
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,419.27	136.71
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,456.62	136.71
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,792.79	136.71
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,633.21	136.71
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,913.35	136.71
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,286.87	136.71

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,052.33	136.71
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,200.31	136.71
		For >10 To 50, Deduct	*-46.35*	
		For >50 To 75, Deduct	*-64.88*	
		For >75 To 100, Deduct	*-92.69*	
		For >100, Deduct	*-111.23*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,281.03	136.71
		For >10 To 50, Deduct	*-50.38*	
		For >50 To 75, Deduct	*-70.53*	
		For >75 To 100, Deduct	*-100.76*	
		For >100, Deduct	*-120.92*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,577.00	136.71
		For >10 To 50, Deduct	*-65.18*	
		For >50 To 75, Deduct	*-91.25*	
		For >75 To 100, Deduct	*-130.36*	
		For >100, Deduct	*-156.43*	

23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*

23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,550.00	136.71

23 81 16 00-0034 Accessories *(23 81 16 00-0001)*

23 81 16 00-0035	EA	Epoxy Coated Steel, Heavy-Duty Window Air Conditioning Unit Support	203.38	57.21
23 81 16 00-0036	SET	Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly Installed In The Lower Sash (Ritter)	659.23	83.91
23 81 16 00-0037	SET	Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly Installed In The Upper Sash (Ritter)	784.89	149.51
23 81 16 00-0038	SET	Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly With Ducts Installed In The Lower Sash (Ritter)	1,034.67	129.68

23 81 16 00-0039 Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)*

Note: Includes storage and cleaning.

23 81 16 00-0040	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	162.74	
23 81 16 00-0041	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	346.79	

23 81 16 00-0042 Through-The-Wall, Room Air-Conditioners *(23 81 16)*

Note: Base unit excludes wall sleeve.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0043		Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0042)*		
23 81 16 00-0044		Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0043)*		
23 81 16 00-0045	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,594.12	97.64
		For >10 To 50, Deduct	*-69.94*	
		For >50 To 75, Deduct	*-97.92*	
		For >75 To 100, Deduct	*-139.88*	
		For >100, Deduct	*-167.86*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 16 00-0046	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,724.85	97.64
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 16 00-0047	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,967.64	97.64
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 16 00-0048	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,724.85	97.64
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 16 00-0049	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,967.64	97.64
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 16 00-0050		Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0042)*		
23 81 16 00-0051		Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0050)*		
23 81 16 00-0052	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	2,023.67	97.64
		For >10 To 50, Deduct	*-91.42*	
		For >50 To 75, Deduct	*-127.99*	
		For >75 To 100, Deduct	*-182.84*	
		For >100, Deduct	*-219.41*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 16 00-0053	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	2,173.08	97.64
		For >10 To 50, Deduct	*-98.89*	
		For >50 To 75, Deduct	*-138.45*	
		For >75 To 100, Deduct	*-197.78*	
		For >100, Deduct	*-237.33*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 23		**Computer-Room Air-Conditioners** *(23 81)*		
23 81 23 12		**Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units** *(23 81 23)*		
23 81 23 12-0001		Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)* Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	42,818.12	2,778.83
		For Liebert Unit, Add	*4,830.66*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	47,259.84	3,039.35
		For Liebert Unit, Add	*5,334.45*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	70,650.84	3,473.54
		For Liebert Unit, Add	*8,185.56*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	75,298.22	3,690.64
		For Liebert Unit, Add	*8,726.12*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	79,945.60	3,907.73
		For Liebert Unit, Add	*9,266.68*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	94,104.92	4,689.28
		For Liebert Unit, Add	*10,878.65*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	106,362.46	5,210.31
		For Liebert Unit, Add	*12,326.61*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	117,404.01	5,382.16
		For Liebert Unit, Add	*13,669.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	127,169.07	5,557.66
		For Liebert Unit, Add	*14,852.92*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	137,489.21	6,252.37
		For Liebert Unit, Add	*16,023.72*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,594.57	1,904.06
		For Liebert Unit, Add	*2,881.98*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,509.78	2,109.12
		For Liebert Unit, Add	*3,087.20*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,076.10	3,212.50
		For Liebert Unit, Add	*3,724.10*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,617.92	3,254.81
		For Liebert Unit, Add	*3,909.83*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,988.59	3,385.01
		For Liebert Unit, Add	*4,057.24*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,876.93	3,710.49
		For Liebert Unit, Add	*4,116.20*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	40,186.83	4,035.97
		For Liebert Unit, Add	*4,352.05*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,860.07	1,736.77
		For Liebert Unit, Add	*2,158.07*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	21,849.75	1,823.61
		For Liebert Unit, Add	*2,390.47*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,287.07	1,910.44
		For Liebert Unit, Add	*3,179.00*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,487.25	2,084.12
		For Liebert Unit, Add	*3,419.70*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	32,078.49	2,171.22
		For Liebert Unit, Add	*3,602.31*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,669.74	2,257.80
		For Liebert Unit, Add	*3,784.91*	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,998.84	2,431.48
		For Liebert Unit, Add	*3,917.72*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	36,544.56	2,605.16
		For Liebert Unit, Add	*4,083.72*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	37,645.64	2,778.83
		For Liebert Unit, Add	*4,190.70*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	43,002.02	3,299.86
		For Liebert Unit, Add	*4,758.81*	
23 81 23 12-0031	EA	30 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	51,396.47	3,618.31
		For Liebert Unit, Add	*5,746.47*	

23 81 23 12-0032 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0033	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	51,970.58	1,904.06
		For Drycooler, Add	*18,570.52*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	55,922.13	2,109.12
		For Drycooler, Add	*19,994.57*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	73,170.74	2,362.99
		For Drycooler, Add	*26,082.36*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	84,661.17	2,616.87
		For Drycooler, Add	*30,154.78*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	89,446.55	2,743.81
		For Drycooler, Add	*31,855.05*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	95,526.36	2,870.75
		For Drycooler, Add	*34,008.38*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	102,010.33	2,998.34
		For Drycooler, Add	*36,303.15*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0040	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	109,539.88	3,111.61
		For Drycooler, Add	*38,963.88*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	116,658.94	3,254.81
		For Drycooler, Add	*41,484.85*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	127,982.01	3,385.01
		For Drycooler, Add	*45,473.31*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	132,651.86	3,710.49
		For Drycooler, Add	*47,170.26*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0044	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	161,762.35	4,035.97
		For Drycooler, Add	*57,422.39*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0045 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,603.85	
23 81 23 12-0047	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,169.87	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,983.49	825.42
		For Liebert Unit, Add	*1,968.24*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,779.24	991.29
		For Liebert Unit, Add	*2,161.63*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,449.84	1,240.61
		For Liebert Unit, Add	*2,448.74*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	26,353.67	1,447.35
		For Liebert Unit, Add	*3,022.98*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	35,730.07	1,573.12
		For Liebert Unit, Add	*4,171.44*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 22 07 19 00-0485 for insulation, 23 23 16 00-0001 for piping.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,311.58	429.64
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,507.07	468.69
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,113.97	520.77
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,460.51	572.84
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,235.95	624.93
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,068.01	650.96
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,650.44	693.93

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,003.96	208.31
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,062.54	221.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,122.02	234.35
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,263.20	247.37
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,350.50	260.38
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,694.43	312.46
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,979.47	338.50
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,647.03	364.54
23 81 26 13-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)* Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,589.06	624.93
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,811.93	746.01
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,264.37	781.15
23 81 26 13-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)* Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,477.55	520.77
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,044.94	572.84
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,584.60	677.00
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,452.84	746.01
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,084.82	781.15
23 81 26 13-0030		Ductless Split System Accessories *(23 81 26 13-0002)*		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.96	1.87
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.24	2.05
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.95	2.26
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.09	3.50
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.07	3.85
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.08	4.24
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.29	7.00
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.10	7.69
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.10	8.46
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	83.04	7.46
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	97.39	8.21
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	150.67	9.03
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.29	7.00
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.10	7.69
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.10	8.46
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	81.25	11.66
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	118.65	12.83
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	141.88	14.11
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.74	2.33
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.20	7.00
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	81.34	7.69
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.36	7.00
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.99	7.69
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.74	8.46
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	219.29	9.33
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	248.71	10.26
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	139.82	34.97
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	154.15	37.31
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	209.57	39.64
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	296.73	69.96
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	314.99	74.62
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.25	0.18
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.36	0.18
23 81 26 13-0065		Cased A/C Evaporator Coils *(23 81 26 13-0001)*		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	953.70	152.56
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	994.73	164.00
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,183.66	175.45
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,349.25	186.89
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,561.67	194.51
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,742.97	202.15
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,872.08	217.40
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,884.59	228.85

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,168.89	156.38
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,344.60	165.15
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,540.17	175.45
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,595.87	181.78
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,670.80	190.70
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,690.83	200.62
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,710.46	210.53
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,021.01	156.38
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,226.25	175.45
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,416.55	190.70
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,707.87	210.53
23 81 26 16		**Large-Capacity Split-System Air-Conditioners** *(23 81 26)*		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*		
23 81 26 16-0002		Outdoor Units *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,280.66	683.51
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,749.29	813.71
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	21,119.48	976.44
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,965.90	1,008.99
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,488.66	1,041.55
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,761.99	1,074.09
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	37,035.34	1,106.64
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	39,210.23	1,171.73
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,385.15	1,236.83
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	46,296.66	1,301.93
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	51,208.18	1,367.02
23 81 26 16-0014		Indoor Units *(23 81 26 16-0001)*		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,817.25	211.56
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,911.75	227.84
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,995.94	244.11
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,095.61	260.38
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,275.88	309.20
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,547.53	374.31
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,760.32	406.85
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,618.58	232.72
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,711.18	250.62
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,860.58	268.53
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,102.91	286.42
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,282.62	340.13
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,611.71	411.73
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,797.25	429.64
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	4,003.46	447.53
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,438.90	492.29
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,919.46	541.51
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,327.23	595.68
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,732.06	655.24
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,637.63	720.75
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,977.27	268.53
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,140.09	286.42
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,322.90	340.13
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,731.50	411.73
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	4,021.01	447.53
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,908.77	492.30
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,675.38	232.72
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,814.45	250.62
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	3,025.81	268.53
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,185.53	286.42
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,483.99	250.62
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,612.73	268.53
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,746.64	286.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0048		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	9,323.29	195.29
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,782.50	227.84
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,916.42	260.38
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	14,139.83	292.93
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,201.77	130.20
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	8,011.78	195.29
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	12,244.86	292.93
23 81 26 16-0056		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,607.33	195.29
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	12,472.97	195.29
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,656.82	227.84
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,649.02	162.74
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,369.42	169.25
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	4,012.38	175.76
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,294.06	195.29
23 81 26 16-0064		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	272.31	59.49
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	272.31	59.49
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	300.80	62.62
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	373.24	70.44
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	492.65	101.75
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	851.07	203.50
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	148.19	25.05
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	170.08	34.44
23 81 43		**Air-Source Unitary Heat Pumps** *(23 81)*		
23 81 43 00-0001		**Single Package Thru-Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0750 for crane lifting equipment.		
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,364.86	211.53
		For Unit Economizer, Add	*314.72*	
		For >35 To 70, Deduct	*-58.68*	
		For >70 To 100, Deduct	*-97.80*	
		For >100, Deduct	*-136.91*	
		For Low Ambient Protection, 0 Degree F, Add	*278.27*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,610.39	225.63
		For Unit Economizer, Add	*347.97*	
		For >35 To 70, Deduct	*-65.20*	
		For >70 To 100, Deduct	*-108.66*	
		For >100, Deduct	*-152.13*	
		For Low Ambient Protection, 0 Degree F, Add	*304.88*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,435.89	225.63
		For Unit Economizer, Add	*603.54*	
		For >35 To 70, Deduct	*-119.96*	
		For >70 To 100, Deduct	*-199.94*	
		For >100, Deduct	*-279.91*	
		For Low Ambient Protection, 0 Degree F, Add	*469.18*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,855.29	225.63
		For Unit Economizer, Add	*661.13*	
		For >35 To 70, Deduct	*-131.70*	
		For >70 To 100, Deduct	*-219.50*	
		For >100, Deduct	*-307.29*	
		For Low Ambient Protection, 0 Degree F, Add	*248.04*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,491.99	239.73
		For Unit Economizer, Add	*749.14*	
		For >35 To 70, Deduct	*-149.95*	
		For >70 To 100, Deduct	*-249.92*	
		For >100, Deduct	*-349.89*	
		For Low Ambient Protection, 0 Degree F, Add	*273.35*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,752.78	253.84
		For Unit Economizer, Add	*785.65*	
		For >35 To 70, Deduct	*-157.78*	
		For >70 To 100, Deduct	*-262.96*	
		For >100, Deduct	*-368.14*	
		For Low Ambient Protection, 0 Degree F, Add	*807.09*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,476.42	253.84
		For Unit Economizer, Add	*885.83*	
		For >35 To 70, Deduct	*-178.64*	
		For >70 To 100, Deduct	*-297.73*	
		For >100, Deduct	*-416.82*	
		For Low Ambient Protection, 0 Degree F, Add	*904.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,142.49	267.94
		For Unit Economizer, Add	*978.51*	
		For >35 To 70, Deduct	*-198.20*	
		For >70 To 100, Deduct	*-330.33*	
		For >100, Deduct	*-462.46*	
		For Low Ambient Protection, 0 Degree F, Add	*992.83*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,226.78	310.24
		For Unit Economizer, Add	*1,126.93*	
		For >35 To 70, Deduct	*-228.19*	
		For >70 To 100, Deduct	*-380.31*	
		For >100, Deduct	*-532.44*	
		For Low Ambient Protection, 0 Degree F, Add	*1,143.94*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	15,047.23	366.65
		For Unit Economizer, Add	*2,076.72*	
		For >35 To 70, Deduct	*-428.99*	
		For >70 To 100, Deduct	*-714.99*	
		For >100, Deduct	*-1,000.99*	
		For Low Ambient Protection, 0 Degree F, Add	*2,045.83*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,373.79	465.37
		For Unit Economizer, Add	*2,674.54*	
		For >35 To 70, Deduct	*-552.87*	
		For >70 To 100, Deduct	*-921.45*	
		For >100, Deduct	*-1,290.03*	
		For Low Ambient Protection, 0 Degree F, Add	*420.50*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	23,645.10	521.78
		For Unit Economizer, Add	*3,268.57*	
		For >35 To 70, Deduct	*-678.05*	
		For >70 To 100, Deduct	*-1,130.08*	
		For >100, Deduct	*-1,582.11*	
		For Low Ambient Protection, 0 Degree F, Add	*486.91*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,161.61	592.29
		For Unit Economizer, Add	*4,035.81*	
		For >35 To 70, Deduct	*-839.73*	
		For >70 To 100, Deduct	*-1,399.56*	
		For >100, Deduct	*-1,959.38*	
		For Low Ambient Protection, 0 Degree F, Add	*572.53*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	38,822.51	634.59
		For Unit Economizer, Add	*5,384.38*	
		For >35 To 70, Deduct	*-1,126.60*	
		For >70 To 100, Deduct	*-1,877.67*	
		For >100, Deduct	*-2,628.73*	
		For Low Ambient Protection, 0 Degree F, Add	*692.83*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	46,758.95	691.00
		For Unit Economizer, Add	*6,490.97*	
		For >35 To 70, Deduct	*-1,361.31*	
		For >70 To 100, Deduct	*-2,268.85*	
		For >100, Deduct	*-3,176.39*	
		For Low Ambient Protection, 0 Degree F, Add	*799.27*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0750 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,630.99	282.05
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,398.33	310.24
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,674.87	324.35
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,503.27	352.56
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,127.22	408.96
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,685.85	465.37
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,436.94	521.78
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,617.40	578.18
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,976.38	691.00

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,606.03	136.71
		For >10 To 50, Deduct	*-116.63*	
		For >50 To 75, Deduct	*-163.28*	
		For >75 To 100, Deduct	*-233.26*	
		For >100, Deduct	*-279.92*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,942.20	136.71
		For >10 To 50, Deduct	*-133.44*	
		For >50 To 75, Deduct	*-186.82*	
		For >75 To 100, Deduct	*-266.88*	
		For >100, Deduct	*-320.26*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,446.45	136.71
		For >10 To 50, Deduct	*-158.65*	
		For >50 To 75, Deduct	*-222.11*	
		For >75 To 100, Deduct	*-317.31*	
		For >100, Deduct	*-380.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	4,006.73	136.71
		For >10 To 50, Deduct	*-186.67*	
		For >50 To 75, Deduct	*-261.33*	
		For >75 To 100, Deduct	*-373.33*	
		For >100, Deduct	*-448.00*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,621.30	97.64
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,621.30	97.64
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*293.68*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,517.71	305.13
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,697.98	305.13
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,596.29	335.64
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,941.74	366.15
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,443.44	396.66
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,786.42	427.17
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,967.62	457.69
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,789.80	488.21
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,451.73	518.72
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,612.92	549.23

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Air-Cooled, Outdoor Section *(23 81 49)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,553.66	418.83
		For Low Ambient Protection, 0 Degree F, Add	*824.89*	
		For Winterstart Control, Add	*220.22*	
		For 15 SEER, Add	*705.43*	
		For 16 SEER, Add	*1,136.53*	
		For 18 SEER, Add	*1,724.39*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,700.55	465.37
		For Low Ambient Protection, 0 Degree F, Add	*855.50*	
		For Winterstart Control, Add	*230.33*	
		For 15 SEER, Add	*719.18*	
		For 16 SEER, Add	*1,158.68*	
		For 18 SEER, Add	*1,758.00*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,139.96	540.11
		For Low Ambient Protection, 0 Degree F, Add	*939.23*	
		For Winterstart Control, Add	*254.67*	
		For 15 SEER, Add	*777.97*	
		For 16 SEER, Add	*1,253.39*	
		For 18 SEER, Add	*1,901.70*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,615.15	620.49
		For Low Ambient Protection, 0 Degree F, Add	*796.04*	
		For Winterstart Control, Add	*281.02*	
		For 15 SEER, Add	*841.49*	
		For 16 SEER, Add	*1,355.74*	
		For 18 SEER, Add	*2,056.99*	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,793.46	644.47
		For Low Ambient Protection, 0 Degree F, Add	*822.13*	
		For Winterstart Control, Add	*290.31*	
		For 15 SEER, Add	*867.09*	
		For 16 SEER, Add	*1,396.99*	
		For 18 SEER, Add	*2,119.56*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	6,433.22	740.35
		For Low Ambient Protection, 0 Degree F, Add	*909.48*	
		For Winterstart Control, Add	*320.79*	
		For 15 SEER, Add	*967.60*	
		For 16 SEER, Add	*1,558.91*	
		For 18 SEER, Add	*2,365.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	7,321.22	814.40
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*598.75*	
		For Winterstart Control, Add	*177.92*	
		For 15 SEER, Add	*1,108.40*	
		For 16 SEER, Add	*1,785.76*	
		For 18 SEER, Add	*2,709.43*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	8,028.48	911.35
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*661.81*	
		For Winterstart Control, Add	*197.46*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	11,087.32	1,093.62
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*471.80*	
		For Winterstart Control, Add	*251.71*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	14,564.75	1,275.89
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*535.18*	
		For Winterstart Control, Add	*309.30*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	26,068.85	1,367.02
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*568.73*	
		For Winterstart Control, Add	*436.41*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,393.09	139.31
		For Additional 5 KW Electric Heat, Add	*125.31*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,538.98	173.55
		For Additional 5 KW Electric Heat, Add	*136.54*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,611.77	209.61
		For Additional 5 KW Electric Heat, Add	*140.18*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,166.00	245.41
		For Additional 5 KW Electric Heat, Add	*192.04*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,228.72	276.66
		For Additional 5 KW Electric Heat, Add	*195.17*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,473.94	317.67
		For Additional 5 KW Electric Heat, Add	*215.64*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,252.19	520.77
		For Additional 5 KW Electric Heat, Add	*473.14*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,712.34	585.87
		For Additional 5 KW Electric Heat, Add	*712.65*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,790.39	650.96
		For Additional 5 KW Electric Heat, Add	*1,013.94*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,271.09	781.15
		For Additional 5 KW Electric Heat, Add	*1,148.98*	

23 81 49 00-0024 Ductless Split System Heat Pumps *(23 81 49)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,491.13	429.64
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,753.05	468.69
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	3,343.79	520.77
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,842.05	572.84
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps	5,378.99	624.93
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps	6,204.47	650.96
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps	6,798.57	693.93
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,043.46	208.31
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,102.94	221.33
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,163.32	234.35
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,317.96	247.37
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,404.36	260.38
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	3,026.59	312.46
		Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	3,576.46	338.50
		Note: Includes outdoor unit and refrigerant charge.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,730.59	364.54
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,732.70	624.93
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,960.06	746.01
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,354.14	781.15
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,836.65	520.77
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,347.47	572.84
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,728.24	677.00
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,600.97	746.01
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,174.60	781.15

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,164.89	76.28
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,593.01	103.75
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,837.08	163.25
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,844.51	233.42
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,204.75	286.82
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,944.75	347.85
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,442.29	402.77
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,053.16	711.56
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,976.69	270.49
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,398.13	460.59
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,158.18	572.11
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,862.05	690.96
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,589.63	804.62
23 82 16 11-0016		4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,687.80	158.67
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,326.36	228.85
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,897.73	381.41
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,213.01	566.01
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,338.84	694.16
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,911.03	848.25
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,040.04	1,017.59
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,792.74	1,184.50
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,788.97	511.24
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,657.85	768.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,600.05	953.52
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,721.84	1,148.80
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,760.38	1,343.01
23 82 16 11-0030		6 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,798.43	201.38
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,469.22	299.03
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,073.02	509.56
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,240.53	762.81
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,833.91	953.52
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,300.98	1,173.21
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,307.70	1,386.80
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,600.00	1,616.10
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,494.19	698.59
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,858.57	1,047.80
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,211.79	1,312.04
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,520.33	1,576.13
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,835.83	1,833.65
23 82 16 11-0044		8 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,750.26	242.58
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,800.14	372.25
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,634.03	663.65
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,435.03	1,017.59
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,721.06	1,272.37
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,928.07	1,525.63
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	18,321.07	1,694.98
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,595.72	1,966.08
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,686.99	851.30
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,418.09	1,279.85
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,986.63	1,594.29
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,478.30	1,907.04
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	17,051.75	2,243.59
23 82 16 11-0058		Hot Water Heating Coils *(23 82 16 11)*		
		Note: Flanged construction.		
23 82 16 11-0059		1 Row Hot Water Heating Coils *(23 82 16 11-0058)*		
23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,721.96	205.96
		For 10 Fins Per Inch, Add	*26.19*	
		For 12 Fins Per Inch, Add	*65.48*	
		For 230 PSIG Heavy-Duty, Add	*385.63*	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,550.05	263.94
		For 10 Fins Per Inch, Add	*40.48*	
		For 12 Fins Per Inch, Add	*101.20*	
		For 230 PSIG Heavy-Duty, Add	*562.62*	
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	3,107.63	363.10
		For 10 Fins Per Inch, Add	*47.62*	
		For 12 Fins Per Inch, Add	*119.06*	
		For 230 PSIG Heavy-Duty, Add	*694.18*	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,695.87	509.56
		For 10 Fins Per Inch, Add	*53.58*	
		For 12 Fins Per Inch, Add	*133.94*	
		For 230 PSIG Heavy-Duty, Add	*840.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,196.92	610.25
		For 10 Fins Per Inch, Add	*59.53*	
		For 12 Fins Per Inch, Add	*148.82*	
		For 230 PSIG Heavy-Duty, Add	*961.43*	
23 82 16 11-0065	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,918.75	762.81
		For 10 Fins Per Inch, Add	*67.86*	
		For 12 Fins Per Inch, Add	*169.66*	
		For 230 PSIG Heavy-Duty, Add	*1,136.31*	
23 82 16 11-0066	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,504.97	846.72
		For 10 Fins Per Inch, Add	*76.20*	
		For 12 Fins Per Inch, Add	*190.49*	
		For 230 PSIG Heavy-Duty, Add	*1,270.51*	
23 82 16 11-0067	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,805.33	984.49
		For 10 Fins Per Inch, Add	*96.58*	
		For 12 Fins Per Inch, Add	*241.46*	
		For 230 PSIG Heavy-Duty, Add	*1,558.69*	
23 82 16 11-0068	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,938.24	426.57
		For 10 Fins Per Inch, Add	*41.70*	
		For 12 Fins Per Inch, Add	*104.25*	
		For 230 PSIG Heavy-Duty, Add	*672.97*	
23 82 16 11-0069	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,407.32	640.00
		For 10 Fins Per Inch, Add	*62.55*	
		For 12 Fins Per Inch, Add	*156.37*	
		For 230 PSIG Heavy-Duty, Add	*1,009.45*	
23 82 16 11-0070	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,627.26	968.01
		For 10 Fins Per Inch, Add	*93.82*	
		For 12 Fins Per Inch, Add	*234.56*	
		For 230 PSIG Heavy-Duty, Add	*1,519.06*	
23 82 16 11-0071	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,716.57	1,121.80
		For 10 Fins Per Inch, Add	*109.46*	
		For 12 Fins Per Inch, Add	*273.65*	
		For 230 PSIG Heavy-Duty, Add	*1,767.67*	
23 82 16 11-0072	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	352.57	56.45
		For 10 Fins Per Inch, Add	*4.79*	
		For 12 Fins Per Inch, Add	*11.98*	
		For 230 PSIG Heavy-Duty, Add	*81.81*	

23 82 16 11-0073 2 Row Hot Water Heating Coils *(23 82 16 11-0058)*

23 82 16 11-0074	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,770.62	254.78
		For 10 Fins Per Inch, Add	*45.24*	
		For 12 Fins Per Inch, Add	*113.10*	
		For 230 PSIG Heavy-Duty, Add	*604.98*	
23 82 16 11-0075	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,999.67	338.69
		For 10 Fins Per Inch, Add	*46.43*	
		For 12 Fins Per Inch, Add	*116.08*	
		For 230 PSIG Heavy-Duty, Add	*667.74*	
23 82 16 11-0076	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	4,053.04	509.56
		For 10 Fins Per Inch, Add	*60.72*	
		For 12 Fins Per Inch, Add	*151.80*	
		For 230 PSIG Heavy-Duty, Add	*912.32*	
23 82 16 11-0077	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,905.63	726.20
		For 10 Fins Per Inch, Add	*69.05*	
		For 12 Fins Per Inch, Add	*172.63*	
		For 230 PSIG Heavy-Duty, Add	*1,126.42*	
23 82 16 11-0078	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,664.21	897.07
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,312.33*	
23 82 16 11-0079	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	6,048.82	1,089.30
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,427.71*	
23 82 16 11-0080	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,828.77	1,272.37
		For 10 Fins Per Inch, Add	*85.72*	
		For 12 Fins Per Inch, Add	*214.30*	
		For 230 PSIG Heavy-Duty, Add	*1,620.03*	
23 82 16 11-0081	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,389.42	1,478.34
		For 10 Fins Per Inch, Add	*108.66*	
		For 12 Fins Per Inch, Add	*271.64*	
		For 230 PSIG Heavy-Duty, Add	*1,973.55*	
23 82 16 11-0082	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,621.17	637.87
		For 10 Fins Per Inch, Add	*46.91*	
		For 12 Fins Per Inch, Add	*117.28*	
		For 230 PSIG Heavy-Duty, Add	*851.80*	
23 82 16 11-0083	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,434.96	958.25
		For 10 Fins Per Inch, Add	*70.37*	
		For 12 Fins Per Inch, Add	*175.92*	
		For 230 PSIG Heavy-Duty, Add	*1,278.65*	
23 82 16 11-0084	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	8,166.96	1,444.77
		For 10 Fins Per Inch, Add	*105.55*	
		For 12 Fins Per Inch, Add	*263.88*	
		For 230 PSIG Heavy-Duty, Add	*1,922.34*	
23 82 16 11-0085	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	9,532.45	1,687.66
		For 10 Fins Per Inch, Add	*123.14*	
		For 12 Fins Per Inch, Add	*307.86*	
		For 230 PSIG Heavy-Duty, Add	*2,244.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0086		Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*		
		Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,249.47	193.76
23 82 16 11-0088	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,868.56	192.23
23 82 16 11-0089	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,513.76	205.96
23 82 16 11-0090	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,079.94	224.27
23 82 16 11-0091	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,100.65	234.95
23 82 16 11-0092	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,956.77	247.15
23 82 16 11-0093	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,138.46	277.67
23 82 16 11-0094	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,682.62	311.23
23 82 16 11-0095	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,399.41	372.25
23 82 16 11-0096	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,973.32	390.56
23 82 16 11-0097	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,920.52	413.45
23 82 16 11-0098	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,368.98	566.01
23 82 16 11-0099	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,280.79	694.16
23 82 16 11-0100	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,621.63	726.20
23 82 16 11-0101	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,523.91	846.72
23 82 16 12		**Steam Air Coils** *(23 82 16)*		
23 82 16 12-0001		Steam Heating Coils *(23 82 16 12)*		
		Note: Flanged construction.		
23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,645.49	143.41
		For 2 Row Coil, Add	*850.68*	
		For 4 Row Coil, Add	*2,239.01*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,925.19	198.34
		For 2 Row Coil, Add	*956.81*	
		For 4 Row Coil, Add	*2,510.55*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,828.60	355.47
		For 2 Row Coil, Add	*1,290.50*	
		For 4 Row Coil, Add	*3,368.00*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,810.48	509.56
		For 2 Row Coil, Add	*1,646.56*	
		For 4 Row Coil, Add	*4,285.73*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,351.08	610.25
		For 2 Row Coil, Add	*1,849.42*	
		For 4 Row Coil, Add	*4,805.68*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,993.40	762.81
		For 2 Row Coil, Add	*2,103.15*	
		For 4 Row Coil, Add	*5,450.74*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,584.41	846.72
		For 2 Row Coil, Add	*2,314.35*	
		For 4 Row Coil, Add	*5,996.44*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,173.53	988.15
		For 2 Row Coil, Add	*2,847.30*	
		For 4 Row Coil, Add	*7,388.59*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,528.95	426.57
		For 2 Row Coil, Add	*1,229.34*	
		For 4 Row Coil, Add	*3,190.06*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,293.43	640.00
		For 2 Row Coil, Add	*1,844.01*	
		For 4 Row Coil, Add	*4,785.10*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,936.88	958.25
		For 2 Row Coil, Add	*2,764.39*	
		For 4 Row Coil, Add	*7,173.65*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	9,267.24	1,121.80
		For 2 Row Coil, Add	*3,228.89*	
		For 4 Row Coil, Add	*8,378.53*	
23 82 16 13		**Refrigerant Air Coils** *(23 82 16)*		
23 82 16 13-0001		Direct Expansion Cooling Coils *(23 82 16 13)*		
		Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002		2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,078.60	114.42
		For 10 Fins Per Inch, Add	*36.98*	
		For 12 Fins Per Inch, Add	*92.46*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,012.92	157.14
		For 10 Fins Per Inch, Add	*73.97*	
		For 12 Fins Per Inch, Add	*184.92*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,527.04	247.15
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,659.92	355.47
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,737.56	434.81
		For 10 Fins Per Inch, Add	*137.32*	
		For 12 Fins Per Inch, Add	*343.29*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,650.28	526.34
		For 10 Fins Per Inch, Add	*151.96*	
		For 12 Fins Per Inch, Add	*379.91*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,917.14	610.25
		For 10 Fins Per Inch, Add	*173.93*	
		For 12 Fins Per Inch, Add	*434.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,446.57	711.56
		For 10 Fins Per Inch, Add	*220.47*	
		For 12 Fins Per Inch, Add	*551.17*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,779.04	270.49
		For 10 Fins Per Inch, Add	*84.76*	
		For 12 Fins Per Inch, Add	*211.90*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,154.04	460.59
		For 10 Fins Per Inch, Add	*104.66*	
		For 12 Fins Per Inch, Add	*261.64*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,573.29	690.96
		For 10 Fins Per Inch, Add	*123.83*	
		For 12 Fins Per Inch, Add	*309.57*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,278.38	804.62
		For 10 Fins Per Inch, Add	*133.38*	
		For 12 Fins Per Inch, Add	*333.45*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,457.78	158.67
		For 10 Fins Per Inch, Add	*62.80*	
		For 12 Fins Per Inch, Add	*157.00*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,941.05	228.85
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,713.14	381.41
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,178.96	566.01
		For 10 Fins Per Inch, Add	*140.98*	
		For 12 Fins Per Inch, Add	*352.44*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,442.77	694.16
		For 10 Fins Per Inch, Add	*161.12*	
		For 12 Fins Per Inch, Add	*402.79*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,215.68	848.25
		For 10 Fins Per Inch, Add	*190.41*	
		For 12 Fins Per Inch, Add	*476.03*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,470.14	1,017.59
		For 10 Fins Per Inch, Add	*208.72*	
		For 12 Fins Per Inch, Add	*521.80*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,130.40	1,184.50
		For 10 Fins Per Inch, Add	*195.23*	
		For 12 Fins Per Inch, Add	*488.07*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,704.66	511.24
		For 10 Fins Per Inch, Add	*133.64*	
		For 12 Fins Per Inch, Add	*334.11*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,788.47	768.92
		For 10 Fins Per Inch, Add	*165.01*	
		For 12 Fins Per Inch, Add	*412.53*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,727.70	1,352.47
		For 10 Fins Per Inch, Add	*240.45*	
		For 12 Fins Per Inch, Add	*601.13*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,854.97	1,576.13
		For 10 Fins Per Inch, Add	*274.06*	
		For 12 Fins Per Inch, Add	*685.14*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,429.40	199.86
		For 10 Fins Per Inch, Add	*80.56*	
		For 12 Fins Per Inch, Add	*201.40*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,083.91	299.03
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,333.60	509.56
		For 10 Fins Per Inch, Add	*126.33*	
		For 12 Fins Per Inch, Add	*315.83*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,306.83	762.81
		For 10 Fins Per Inch, Add	*155.62*	
		For 12 Fins Per Inch, Add	*389.06*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,251.46	953.52
		For 10 Fins Per Inch, Add	*206.89*	
		For 12 Fins Per Inch, Add	*517.22*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,881.62	1,173.21
		For 10 Fins Per Inch, Add	*230.69*	
		For 12 Fins Per Inch, Add	*576.72*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,139.23	1,386.80
		For 10 Fins Per Inch, Add	*267.31*	
		For 12 Fins Per Inch, Add	*668.27*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,246.36	1,616.10
		For 10 Fins Per Inch, Add	*240.28*	
		For 12 Fins Per Inch, Add	*600.71*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,621.18	698.59
		For 10 Fins Per Inch, Add	*164.48*	
		For 12 Fins Per Inch, Add	*411.20*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,250.09	1,047.80
		For 10 Fins Per Inch, Add	*203.09*	
		For 12 Fins Per Inch, Add	*507.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,140.93	1,563.16
		For 10 Fins Per Inch, Add	*240.29*	
		For 12 Fins Per Inch, Add	*600.73*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,609.34	1,833.65
		For 10 Fins Per Inch, Add	*258.84*	
		For 12 Fins Per Inch, Add	*647.10*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,519.22	241.05
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,603.00	372.25
		For 10 Fins Per Inch, Add	*117.18*	
		For 12 Fins Per Inch, Add	*292.94*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,794.42	663.65
		For 10 Fins Per Inch, Add	*169.36*	
		For 12 Fins Per Inch, Add	*423.39*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,927.86	1,017.59
		For 10 Fins Per Inch, Add	*217.87*	
		For 12 Fins Per Inch, Add	*544.68*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,496.14	1,272.37
		For 10 Fins Per Inch, Add	*259.07*	
		For 12 Fins Per Inch, Add	*647.67*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,972.86	1,525.63
		For 10 Fins Per Inch, Add	*298.43*	
		For 12 Fins Per Inch, Add	*746.08*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	20,692.03	1,694.98
		For 10 Fins Per Inch, Add	*346.03*	
		For 12 Fins Per Inch, Add	*865.09*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,447.87	1,966.08
		For 10 Fins Per Inch, Add	*270.32*	
		For 12 Fins Per Inch, Add	*675.79*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,954.86	851.30
		For 10 Fins Per Inch, Add	*185.04*	
		For 12 Fins Per Inch, Add	*462.61*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,983.55	1,279.85
		For 10 Fins Per Inch, Add	*228.48*	
		For 12 Fins Per Inch, Add	*571.19*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,369.07	1,926.26
		For 10 Fins Per Inch, Add	*270.33*	
		For 12 Fins Per Inch, Add	*675.82*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	19,046.97	2,243.59
		For 10 Fins Per Inch, Add	*291.20*	
		For 12 Fins Per Inch, Add	*727.99*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	653.25	100.25
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	669.95	108.06
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	689.67	118.48
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	696.31	122.38
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	713.34	130.20
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	732.94	140.61
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	845.26	157.53
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	861.14	165.34
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	874.15	170.55
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	893.19	180.97
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	979.17	191.38
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,016.23	209.61
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,053.07	227.84
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,092.16	246.07
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,519.14	343.71
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,767.98	365.84
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,038.55	419.22
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,597.16	464.78
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,770.18	505.15
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,130.86	554.62
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,094.71	592.38
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,600.32	636.65
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,819.13	687.42
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,686.20	747.30

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,046.82	143.22
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,078.80	156.23
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,091.25	156.23
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,179.61	171.85
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,231.89	171.85
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,259.72	171.85
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,323.03	191.38
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,380.51	214.82
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,408.34	214.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,585.73	246.07
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,030.43	246.07
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,156.60	266.89
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,537.91	286.42
23 82 16 14-0041	EA	35 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,717.14	286.42
23 82 16 14-0042	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,016.45	286.42
23 82 16 14-0043	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,292.20	299.44
23 82 16 14-0044	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,458.12	299.44

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,046.79	247.15
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.61*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,463.58	288.35
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.79*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,114.66	324.96
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.46*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,729.48	372.25
		For 2-Way Valve Instead Of 3-Way, Deduct	*-72.21*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,345.19	390.56
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.68*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,889.19	413.45
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.85*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,117.09	448.54
		For 2-Way Valve Instead Of 3-Way, Deduct	*-132.31*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,467.45	247.15
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.61*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,028.06	288.35
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.79*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,214.63	324.96
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.46*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,720.87	372.25
		For 2-Way Valve Instead Of 3-Way, Deduct	*-72.21*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,170.26	392.08
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.68*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,569.99	413.45
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.85*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,233.30	448.54
		For 2-Way Valve Instead Of 3-Way, Deduct	*-132.31*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,980.76	465.32
		For 2-Way Valve Instead Of 3-Way, Deduct	*-134.80*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,382.19	484.38
		For 2-Way Valve Instead Of 3-Way, Deduct	*-137.66*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,398.99	503.46
		For 2-Way Valve Instead Of 3-Way, Deduct	*-140.52*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,935.72	245.63
		For Fan Coil Units Without Cabinet, Deduct	*-391.14*	
		For Thru-Wall Sleeve, Add	*153.43*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.61*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,352.50	288.35
		For Fan Coil Units Without Cabinet, Deduct	*-445.30*	
		For Thru-Wall Sleeve, Add	*170.14*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.79*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,981.35	324.96
		For Fan Coil Units Without Cabinet, Deduct	*-532.28*	
		For Thru-Wall Sleeve, Add	*184.84*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.46*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,576.19	372.25
		For Fan Coil Units Without Cabinet, Deduct	*-612.01*	
		For Thru-Wall Sleeve, Add	*203.84*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-72.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,169.70	392.08
		For Fan Coil Units Without Cabinet, Deduct	*-697.22*	
		For Thru-Wall Sleeve, Add	*211.47*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.68*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,655.93	413.45
		For Fan Coil Units Without Cabinet, Deduct	*-915.92*	
		For Thru-Wall Sleeve, Add	*219.93*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.85*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,839.41	448.54
		For Fan Coil Units Without Cabinet, Deduct	*-1,086.17*	
		For Thru-Wall Sleeve, Add	*234.49*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-132.31*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,294.46	245.63
		For Fan Coil Units Without Cabinet, Deduct	*-594.96*	
		For Thru-Wall Sleeve, Add	*153.43*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.61*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,834.30	288.35
		For Fan Coil Units Without Cabinet, Deduct	*-667.57*	
		For Thru-Wall Sleeve, Add	*170.14*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.79*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,972.44	324.96
		For Fan Coil Units Without Cabinet, Deduct	*-830.95*	
		For Thru-Wall Sleeve, Add	*184.84*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.46*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,827.92	372.25
		For Fan Coil Units Without Cabinet, Deduct	*-949.77*	
		For Thru-Wall Sleeve, Add	*203.84*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-72.21*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,626.54	392.08
		For Fan Coil Units Without Cabinet, Deduct	*-1,065.74*	
		For Thru-Wall Sleeve, Add	*211.47*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.68*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,189.76	413.45
		For Fan Coil Units Without Cabinet, Deduct	*-1,296.00*	
		For Thru-Wall Sleeve, Add	*219.93*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.85*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,783.45	448.54
		For Fan Coil Units Without Cabinet, Deduct	*-1,527.77*	
		For Thru-Wall Sleeve, Add	*234.49*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-132.31*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,823.50	465.32
		For Fan Coil Units Without Cabinet, Deduct	*-1,680.46*	
		For Thru-Wall Sleeve, Add	*241.13*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-134.80*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,067.67	484.38
		For Fan Coil Units Without Cabinet, Deduct	*-1,863.27*	
		For Thru-Wall Sleeve, Add	*248.76*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-137.66*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,940.46	484.38
		For Fan Coil Units Without Cabinet, Deduct	*-1,990.38*	
		For Thru-Wall Sleeve, Add	*256.38*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-140.52*	

23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	648.65

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	46.97
23 82 29 00-0003	EA	Cap Radiator	67.24

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	65.54	
		For Wall Support Bracket, Add	*32.82*	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	92.20	
		For Wall Support Bracket, Add	*34.79*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	107.04	
		For Wall Support Bracket, Add	*36.14*	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	134.35	
		For Wall Support Bracket, Add	*38.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0009		**Radiator Covers** *(23 82 29)* Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0010	SF	14 Gauge Stainless Steel Radiator Cover	138.18	7.07
23 82 29 00-0011	SF	Primed And Painted, Galvanized Steel Radiator Cover	86.49	7.07
23 82 29 00-0012		**Radiator Shields** *(23 82 29)*		
23 82 29 00-0013	SF	Stainless Steel Radiator Shield	70.52	7.07
23 82 29 00-0014	SF	Primed And Painted, Galvanized Steel Radiator Shield	48.93	7.07
23 82 29 00-0015		**Removal And Reinstallation Of Radiator** *(23 82 29)* Note: Includes storage and cleaning.		
23 82 29 00-0016	LF	Removal And Reinstallation Of Cast Iron Radiator	114.42	
23 82 29 00-0017	LF	Removal And Reinstallation Of Electric Radiator	76.28	
23 82 29 00-0018		**Security Radiator Enclosures** *(23 82 29)* Note: Includes mounting brackets, support strips, corners, tamper proof fasteners, end caps and standard enamel color finishes. Excludes finned tube. Material is cold rolled steel as manufactured by Vulcan.		
23 82 29 00-0019		**12 Gage Security Radiator Enclosures** *(23 82 29 00-0018)* Note: Excludes finned tube.		
23 82 29 00-0020	LF	12" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front	285.55	63.46
23 82 29 00-0021	LF	18" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front	317.47	70.51
23 82 29 00-0022		**14 Gage Security Radiator Enclosures** *(23 82 29 00-0018)* Note: Excludes finned tube.		
23 82 29 00-0023	LF	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Sloped Front	249.90	63.46
23 82 29 00-0024	LF	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Sloped Front	249.90	63.46
23 82 29 00-0025	LF	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Square Front	267.72	63.46
23 82 29 00-0026	LF	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Square Front	267.72	63.46
23 82 29 00-0027		**Finned Tube Element** *(23 82 29 00-0018)* Note: As manufactured by Vulcan.		
23 82 29 00-0028	LF	Vulcan Fin Tube Element With Hangers Note: 1" or 1-1/4" x 4-1/4" x 48"/.020 as manufactured by Vulcan Radiator Company.	129.57	42.30
23 82 33		**Convectors** *(23 82)*		
23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	660.59	167.82
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*82.28*	
		For Snap-On Inlet Grille, Add	*60.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*142.21*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	773.99	183.08
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*89.22*	
		For Snap-On Inlet Grille, Add	*65.48*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	892.27	216.64
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*104.39*	
		For Snap-On Inlet Grille, Add	*75.59*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*197.51*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,066.19	251.73
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*120.41*	
		For Snap-On Inlet Grille, Add	*86.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*239.69*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,271.98	302.07
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*143.28*	
		For Snap-On Inlet Grille, Add	*101.52*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*285.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,428.75	332.28
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*156.99*	
		For Snap-On Inlet Grille, Add	*110.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*323.90*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,665.06	402.77
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*189.02*	
		For Snap-On Inlet Grille, Add	*132.01*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*369.25*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,814.28	427.94
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*200.47*	
		For Snap-On Inlet Grille, Add	*139.64*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*408.12*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,983.02	478.28
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*223.33*	
		For Snap-On Inlet Grille, Add	*154.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*440.51*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,188.93	528.63
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*246.23*	
		For Snap-On Inlet Grille, Add	*170.15*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*485.86*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,357.71	578.97
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*269.10*	
		For Snap-On Inlet Grille, Add	*185.40*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.25*	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	782.54	220.76
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*105.32*	
		For Snap-On Inlet Grille, Add	*76.22*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*158.01*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	918.02	256.45
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.34*	
		For Snap-On Inlet Grille, Add	*86.90*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*186.74*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,108.04	301.16
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*141.41*	
		For Snap-On Inlet Grille, Add	*100.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*229.83*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,293.85	335.79
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*156.95*	
		For Snap-On Inlet Grille, Add	*110.64*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*276.73*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,506.15	377.59
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*175.77*	
		For Snap-On Inlet Grille, Add	*123.18*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*329.09*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,681.68	409.02
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*189.96*	
		For Snap-On Inlet Grille, Add	*132.64*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*373.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,917.89	466.08
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*215.95*	
		For Snap-On Inlet Grille, Add	*149.97*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*426.32*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,088.32	494.61
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*228.61*	
		For Snap-On Inlet Grille, Add	*158.41*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*471.20*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,261.19	539.31
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*248.42*	
		For Snap-On Inlet Grille, Add	*171.61*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*508.60*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,477.49	583.10
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*268.43*	
		For Snap-On Inlet Grille, Add	*184.96*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*560.95*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,644.38	623.22
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*286.45*	
		For Snap-On Inlet Grille, Add	*196.96*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*598.35*	
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	903.21	268.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*127.98*	
		For Snap-On Inlet Grille, Add	*91.32*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,079.03	324.96
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*153.64*	
		For Snap-On Inlet Grille, Add	*108.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*205.41*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,297.60	379.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*178.58*	
		For Snap-On Inlet Grille, Add	*125.05*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.82*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,495.20	412.83
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*193.64*	
		For Snap-On Inlet Grille, Add	*135.09*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*304.41*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,709.57	446.10
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*208.59*	
		For Snap-On Inlet Grille, Add	*145.06*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*361.99*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,899.73	478.28
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*223.33*	
		For Snap-On Inlet Grille, Add	*154.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*411.36*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,125.62	518.57
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*241.73*	
		For Snap-On Inlet Grille, Add	*167.15*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*468.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,317.31	551.82
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*256.93*	
		For Snap-On Inlet Grille, Add	*177.28*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.31*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,489.77	589.05
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*273.41*	
		For Snap-On Inlet Grille, Add	*188.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*559.45*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,709.15	624.29
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*289.85*	
		For Snap-On Inlet Grille, Add	*199.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*617.04*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,871.68	654.50
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*303.35*	
		For Snap-On Inlet Grille, Add	*208.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*658.18*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	668.50	139.61
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	737.58	139.61

23 82 33 00-0042 6" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	769.46	139.61
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	875.73	139.61
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	968.72	139.61
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,114.85	139.61

23 82 36 Finned-Tube Radiation Heaters *(23 82)*

23 82 36 00-0001 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0002 Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	162.78	77.56
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	165.97	77.56

23 82 36 00-0005 Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	194.66	77.56
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	202.63	77.56

23 82 36 00-0008 Finned Tube Baseboard Units *(23 82 36)*

Note: Complete with steel enclosure. Single heating element.

23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	445.85	59.50
		For Copper Tube With Aluminum Fins, Add	*8.69*	
		For 90 Degree Corner, Add	*67.57*	
		For Valve Enclosure, Add	*67.57*	
		For Filler Piece, Add	*60.57*	
		For End Cap, Add	*45.42*	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	583.74	90.01
		For Copper Tube With Aluminum Fins, Add	*13.04*	
		For 90 Degree Corner, Add	*79.35*	
		For Valve Enclosure, Add	*79.35*	
		For Filler Piece, Add	*72.35*	
		For End Cap, Add	*53.08*	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	697.42	119.00
		For Copper Tube With Aluminum Fins, Add	*17.38*	
		For 90 Degree Corner, Add	*86.28*	
		For Valve Enclosure, Add	*86.28*	
		For Filler Piece, Add	*79.28*	
		For End Cap, Add	*57.58*	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	868.92	166.60
		For Copper Tube With Aluminum Fins, Add	*21.61*	
		For 90 Degree Corner, Add	*105.20*	
		For Valve Enclosure, Add	*105.20*	
		For Filler Piece, Add	*98.20*	
		For End Cap, Add	*69.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,039.87	200.16
		For Copper Tube With Aluminum Fins, Add	*25.73*	
		For 90 Degree Corner, Add	*124.42*	
		For Valve Enclosure, Add	*124.42*	
		For Filler Piece, Add	*117.42*	
		For End Cap, Add	*82.37*	
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,171.58	213.59
		For Copper Tube With Aluminum Fins, Add	*30.87*	
		For 90 Degree Corner, Add	*132.05*	
		For Valve Enclosure, Add	*132.05*	
		For Filler Piece, Add	*125.05*	
		For End Cap, Add	*87.33*	
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,291.81	236.02
		For Copper Tube With Aluminum Fins, Add	*33.96*	
		For 90 Degree Corner, Add	*144.87*	
		For Valve Enclosure, Add	*144.87*	
		For Filler Piece, Add	*137.87*	
		For End Cap, Add	*95.66*	
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,473.83	266.98
		For Copper Tube With Aluminum Fins, Add	*39.11*	
		For 90 Degree Corner, Add	*162.56*	
		For Valve Enclosure, Add	*162.56*	
		For Filler Piece, Add	*155.56*	
		For End Cap, Add	*107.17*	
23 82 36 00-0018	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,625.05	293.68
		For Copper Tube With Aluminum Fins, Add	*43.22*	
		For 90 Degree Corner, Add	*177.84*	
		For Valve Enclosure, Add	*177.84*	
		For Filler Piece, Add	*170.84*	
		For End Cap, Add	*117.09*	

23 82 36 00-0019 1" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0020	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	513.58	59.50
		For Copper Tube With Aluminum Fins, Add	*12.42*	
		For 90 Degree Corner, Add	*67.57*	
		For Valve Enclosure, Add	*67.57*	
		For Filler Piece, Add	*60.57*	
		For End Cap, Add	*45.42*	
23 82 36 00-0021	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	685.33	90.01
		For Copper Tube With Aluminum Fins, Add	*18.62*	
		For 90 Degree Corner, Add	*79.35*	
		For Valve Enclosure, Add	*79.35*	
		For Filler Piece, Add	*72.35*	
		For End Cap, Add	*53.08*	
23 82 36 00-0022	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	832.86	119.00
		For Copper Tube With Aluminum Fins, Add	*24.83*	
		For 90 Degree Corner, Add	*86.28*	
		For Valve Enclosure, Add	*86.28*	
		For Filler Piece, Add	*79.28*	
		For End Cap, Add	*57.58*	
23 82 36 00-0023	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,037.52	166.60
		For Copper Tube With Aluminum Fins, Add	*30.87*	
		For 90 Degree Corner, Add	*105.23*	
		For Valve Enclosure, Add	*105.23*	
		For Filler Piece, Add	*98.23*	
		For End Cap, Add	*69.90*	
23 82 36 00-0024	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,240.10	200.16
		For Copper Tube With Aluminum Fins, Add	*36.75*	
		For 90 Degree Corner, Add	*124.37*	
		For Valve Enclosure, Add	*124.37*	
		For Filler Piece, Add	*117.37*	
		For End Cap, Add	*82.34*	
23 82 36 00-0025	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,412.17	213.59
		For Copper Tube With Aluminum Fins, Add	*44.11*	
		For 90 Degree Corner, Add	*132.05*	
		For Valve Enclosure, Add	*132.05*	
		For Filler Piece, Add	*125.05*	
		For End Cap, Add	*87.33*	
23 82 36 00-0026	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,555.98	236.02
		For Copper Tube With Aluminum Fins, Add	*48.52*	
		For 90 Degree Corner, Add	*144.77*	
		For Valve Enclosure, Add	*144.77*	
		For Filler Piece, Add	*137.77*	
		For End Cap, Add	*95.60*	
23 82 36 00-0027	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,778.58	266.98
		For Copper Tube With Aluminum Fins, Add	*55.87*	
		For 90 Degree Corner, Add	*162.56*	
		For Valve Enclosure, Add	*162.56*	
		For Filler Piece, Add	*155.56*	
		For End Cap, Add	*107.17*	
23 82 36 00-0028	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,960.95	293.68
		For Copper Tube With Aluminum Fins, Add	*61.75*	
		For 90 Degree Corner, Add	*177.65*	
		For Valve Enclosure, Add	*177.65*	
		For Filler Piece, Add	*170.65*	
		For End Cap, Add	*116.97*	

23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0030	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	581.29	59.50
		For Copper Tube With Aluminum Fins, Add	*16.14*	
		For 90 Degree Corner, Add	*67.57*	
		For Valve Enclosure, Add	*67.57*	
		For Filler Piece, Add	*60.57*	
		For End Cap, Add	*45.42*	
23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	786.91	90.01
		For Copper Tube With Aluminum Fins, Add	*24.21*	
		For 90 Degree Corner, Add	*79.35*	
		For Valve Enclosure, Add	*79.35*	
		For Filler Piece, Add	*72.35*	
		For End Cap, Add	*53.08*	
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	968.30	119.00
		For Copper Tube With Aluminum Fins, Add	*32.28*	
		For 90 Degree Corner, Add	*86.28*	
		For Valve Enclosure, Add	*86.28*	
		For Filler Piece, Add	*79.28*	
		For End Cap, Add	*57.58*	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,205.92	166.60
		For Copper Tube With Aluminum Fins, Add	*40.14*	
		For 90 Degree Corner, Add	*105.23*	
		For Valve Enclosure, Add	*105.23*	
		For Filler Piece, Add	*98.23*	
		For End Cap, Add	*69.90*	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,440.58	200.16
		For Copper Tube With Aluminum Fins, Add	*47.78*	
		For 90 Degree Corner, Add	*124.37*	
		For Valve Enclosure, Add	*124.37*	
		For Filler Piece, Add	*117.37*	
		For End Cap, Add	*82.34*	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,652.75	213.59
		For Copper Tube With Aluminum Fins, Add	*57.34*	
		For 90 Degree Corner, Add	*132.05*	
		For Valve Enclosure, Add	*132.05*	
		For Filler Piece, Add	*125.05*	
		For End Cap, Add	*87.33*	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,820.62	236.02
		For Copper Tube With Aluminum Fins, Add	*63.07*	
		For 90 Degree Corner, Add	*144.77*	
		For Valve Enclosure, Add	*144.77*	
		For Filler Piece, Add	*137.77*	
		For End Cap, Add	*95.60*	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,083.31	266.98
		For Copper Tube With Aluminum Fins, Add	*72.63*	
		For 90 Degree Corner, Add	*162.56*	
		For Valve Enclosure, Add	*162.56*	
		For Filler Piece, Add	*155.56*	
		For End Cap, Add	*107.17*	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,297.76	293.68
		For Copper Tube With Aluminum Fins, Add	*80.27*	
		For 90 Degree Corner, Add	*177.65*	
		For Valve Enclosure, Add	*177.65*	
		For Filler Piece, Add	*170.65*	
		For End Cap, Add	*116.97*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,256.56	176.27
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,282.05	176.27
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,307.54	176.27
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,333.01	176.27
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,358.49	176.27
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,383.98	176.27
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,410.48	176.27
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	235.51	117.05

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,464.66	211.53
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,515.64	211.53
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,566.60	211.53
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,617.57	211.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,668.53	211.53
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,719.50	211.53
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,770.46	211.53
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	282.05	141.02
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,352.85	282.05
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,403.80	282.05
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,454.78	282.05
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,505.73	282.05
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,556.71	282.05
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,607.66	282.05
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	352.56	176.27
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,139.10	352.56
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,215.54	352.56
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,291.98	352.56
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,368.43	352.56
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,444.89	352.56
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,521.33	352.56
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,597.78	352.56
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	471.01	235.51
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,027.27	423.06
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,129.20	423.06
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,231.13	423.06
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,333.06	423.06
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,434.99	423.06
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,536.92	423.06
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,638.85	423.06
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	564.08	282.05
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	419.54	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	724.70	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	865.03	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	1,170.16	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,493.12	152.56
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,496.35	152.56
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,682.62	152.56
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,029.02	228.85
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,124.32	228.85
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,266.22	228.85
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,698.14	305.13
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,984.04	305.13
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,165.97	305.13
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,313.25	305.13
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,712.71	381.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,762.55	381.41
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,810.20	381.41
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,021.16	457.69
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,393.69	457.69
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,003.46	533.97
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,352.77	533.97
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,726.12	610.25
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	8,112.27	610.25
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	296.22	38.14

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,156.83	152.56
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,259.70	228.85
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,447.06	228.85
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,990.56	305.13
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,174.63	305.13
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,687.61	457.69
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,969.18	457.69
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,205.28	457.69
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,680.73	533.97
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,960.15	533.97
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,525.41	533.97
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,345.88	686.53
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,225.85	686.53
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,801.97	686.53
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	10,033.14	762.81
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	402.95	38.14

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	915.38
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	1,220.50

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	962.30	141.02
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	962.30	141.02
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,288.90	176.27
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,479.65	211.53
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,155.13	282.05
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,130.74	352.56
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,311.92	423.06
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,284.59	493.57
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,183.44	141.02
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,140.27	141.02
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,352.10	176.27
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,561.88	211.53
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,319.58	282.05

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	443.50	88.14
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	518.21	98.71
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	801.63	98.71
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	501.71	88.14
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	610.07	98.71
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	909.53	98.71
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	659.90	116.35
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,215.25	123.40
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,365.03	123.40
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,582.48	130.44
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,713.99	130.44
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	737.70	116.35
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,337.79	123.40
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,487.57	123.40
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	696.14	88.14

23 82 39 19-0031 Vandal Resistant Security Electric Unit Heaters *(23 82 39 19)*

Note: 14 Gauge steel enclosure complete self contained units for UL certification. Standard enamel color finishes included. 250 Watts per foot, built in thermostat, disconnect switch, thermal cut out, switch, 120 Volt or 208 Volt. 10" High, tamper proof fasteners.

23 82 39 19-0032	EA	8" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front	1,289.20	78.36
23 82 39 19-0033	EA	10" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front	1,395.60	85.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0034		Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0035	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	549.26	
23 82 39 19-0036	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	1,129.09	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001		Self Regulating Heating Cable *(23 83 13 13)*		
23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.99	1.12
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.62	1.12
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.07	1.12
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.99	1.12
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	11.70	1.12
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	12.33	1.12
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	12.32	1.12
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.62	1.12
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.91	1.12
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.32	1.12
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	12.62	1.12
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.91	1.12
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	15.26	1.12
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.84	1.12
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	16.14	1.12
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.26	1.12
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	15.84	1.12
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	16.14	1.12
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	373.03	88.15
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	373.03	88.15
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	228.79	16.03
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	618.83	40.06
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	680.02	40.06

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001		Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)* Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.		
23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,600.04	628.56
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,199.65	630.09

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001		Steam Type Pneumatically Controlled *(23 84 13 23)* Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,276.04	402.77
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*703.15*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,276.04	402.77
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*703.15*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,223.11	402.77
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*987.27*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,375.67	503.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,038.13*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,780.34	402.77
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,454.44*	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,932.90	503.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,505.30*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,366.07	503.46
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,235.25*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,556.78	630.09
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,298.82*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	679.46	76.28

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,405.16	70.51
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,025.10	82.25
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,052.63	94.02

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	560.94	152.62
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	671.43	152.62
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	737.72	152.62

END OF SECTION 23

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	512.70	
		For Up To 20, Add	*103.73*	
		For >20 To 50, Add	*82.98*	
		For >50 To 100, Add	*41.49*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	661.41	
		For Up To 20, Add	*140.91*	
		For >20 To 50, Add	*112.72*	
		For >50 To 100, Add	*56.36*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	988.57	
		For Up To 20, Add	*222.70*	
		For >20 To 50, Add	*178.16*	
		For >50 To 100, Add	*89.08*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	511.07	
		For Up To 20, Add	*103.32*	
		For >20 To 50, Add	*82.66*	
		For >50 To 100, Add	*41.33*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	649.30	
		For Up To 20, Add	*137.88*	
		For >20 To 50, Add	*110.30*	
		For >50 To 100, Add	*55.15*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	961.68	
		For Up To 20, Add	*215.97*	
		For >20 To 50, Add	*172.78*	
		For >50 To 100, Add	*86.39*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	405.62	
		For Up To 20, Add	*76.96*	
		For >20 To 50, Add	*61.57*	
		For >50 To 100, Add	*30.78*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	566.23	
		For Up To 20, Add	*117.11*	
		For >20 To 50, Add	*93.69*	
		For >50 To 100, Add	*46.84*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	800.45	
		For Up To 20, Add	*175.67*	
		For >20 To 50, Add	*140.53*	
		For >50 To 100, Add	*70.27*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	730.96	
		For Up To 20, Add	*158.29*	
		For >20 To 50, Add	*126.63*	
		For >50 To 100, Add	*63.32*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	999.67	
		For Up To 20, Add	*225.47*	
		For >20 To 50, Add	*180.38*	
		For >50 To 100, Add	*90.19*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,820.39	
		For Up To 20, Add	*430.65*	
		For >20 To 50, Add	*344.52*	
		For >50 To 100, Add	*172.26*	
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	837.76	
		For Up To 20, Add	*184.99*	
		For >20 To 50, Add	*147.99*	
		For >50 To 100, Add	*74.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,226.84	
		For Up To 20, Add	*282.26*	
		For >20 To 50, Add	*225.81*	
		For >50 To 100, Add	*112.91*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	57.70
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	57.70
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	16.03
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	5.95

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	33.32
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	33.32

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	53.01
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	70.14
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	107.22
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	20.90
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	20.90
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	32.60
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	36.40
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	35.42
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	38.33
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	38.95

26 01 50 51-0013 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0014	EA	100 Watt, Frosted, Interior Incandescent Lamp	4.88
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*
26 01 50 51-0015	EA	150 Watt, Frosted, Interior Incandescent Lamp	6.81
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*
26 01 50 51-0016	EA	200 Watt, Frosted, Interior Incandescent Lamp	8.98
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*
26 01 50 51-0017	EA	300 Watt, PS25, Interior Incandescent Lamp	11.72
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*
26 01 50 51-0018	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	8.03
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*
26 01 50 51-0019	EA	75 Watt, R20, Interior Incandescent Lamp	13.86
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.56*
26 01 50 51-0020	EA	75 Watt, PAR38, Exterior Incandescent Lamp	17.69
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.56*
26 01 50 51-0021	EA	100 Watt, PAR38, Exterior Incandescent Lamp	16.17
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.56*
26 01 50 51-0022	EA	150 Watt, PAR38, Exterior Incandescent Lamp	30.68
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.56*
26 01 50 51-0023	EA	250 Watt, PAR38, Exterior Incandescent Lamp	66.63
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.82*
26 01 50 51-0024	EA	300 Watt, PAR56, Exterior Incandescent Lamp	77.29
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.82*

26 01 50 51-0025 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0026	EA	Convert Exit Light Lamps To Red LED Lamps	86.47
		For Green LED Lamps, Add	*25.00*
26 01 50 51-0027	EA	Fluorescent Lamp For Exit Light	25.34
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-5.19*
26 01 50 51-0028	EA	Lamp Replacement For Emergency Lights On Exit Sign	42.62
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.60*

26 01 50 51-0029 Fluorescent Lamps *(26 01 50 51-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0030	EA	18", 15 Watt, T8 Fluorescent Lamp	9.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0031	EA	2', 17 Watt, T8 Fluorescent Lamp	12.18	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0032	EA	3', 25 Watt, T8 Fluorescent Lamp	14.09	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0033	EA	4', 32 Watt, T8 Fluorescent Lamp	14.00	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0034	EA	4', 30 Watt, T8 Fluorescent Lamp	18.80	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0035	EA	4', 28 Watt, T8 Fluorescent Lamp	15.93	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0036	EA	4', 25 Watt, T8 Fluorescent Lamp	15.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0037	EA	4', 44 Watt, T8HO Fluorescent Lamp	28.16	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0038	EA	8', 59 Watt, T8 Fluorescent Lamp	20.41	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0039	EA	18", 15 Watt, T12 Fluorescent Lamp	16.33	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0040	EA	2', 20 Watt, T12 Fluorescent Lamp	11.40	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0041	EA	3', 30 Watt, T12 Fluorescent Lamp	12.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0042	EA	4', 34 Watt, T12 Fluorescent Lamp	12.88	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0043	EA	4', 40 Watt, T12 Fluorescent Lamp	12.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0044	EA	8', 60 Watt, T12 Fluorescent Lamp	21.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0045	EA	8', 75 Watt, T12 Fluorescent Lamp	17.07	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0046	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	16.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0047	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	12.92	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0048	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	12.36	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0049	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	14.11	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0050	EA	6", 4 Watt, T5 Fluorescent Lamp	10.93	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0051	EA	9", 6 Watt, T5 Fluorescent Lamp	10.68	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0052	EA	12", 8 Watt, T5 Fluorescent Lamp	11.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0053	EA	21", 13 Watt, T5 Fluorescent Lamp	11.85	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0054	EA	24", 14 Watt, T5 Fluorescent Lamp	14.27	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.08*	
26 01 50 51-0055	EA	34", 21 Watt, T5 Fluorescent Lamp	15.37	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0056	EA	46", 28 Watt, T5 Fluorescent Lamp	14.74	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0057	EA	46", 54 Watt, T5HO Fluorescent Lamp	16.56	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.34*	
26 01 50 51-0058	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	9.32	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*	
26 01 50 51-0059	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	10.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*	
26 01 50 51-0060	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	24.40	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*	
26 01 50 51-0061	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	24.95	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.60*	
26 01 50 51-0062	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	23.88	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.60*	
26 01 50 51-0063	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	9.78	
26 01 50 51-0064	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	8.09	
26 01 50 51-0065	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	8.62	
26 01 50 51-0066	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	43.54	
26 01 50 51-0067	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	47.73	
26 01 50 51-0068	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	93.23	
26 01 50 51-0069	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	112.18	
26 01 50 51-0070	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	116.04	
26 01 50 51-0071	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	39.92	
26 01 50 51-0072	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	41.77	
26 01 50 51-0073	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	48.72	

26 01 50 51-0074 Mercury Vapor Lamps *(26 01 50 51-0001)*

26 01 50 51-0075	EA	100 Watt, Mercury Vapor Lamp	42.25	
26 01 50 51-0076	EA	175 Watt, Mercury Vapor Lamp	37.46	
26 01 50 51-0077	EA	250 Watt, Mercury Vapor Lamp	35.07	
26 01 50 51-0078	EA	400 Watt, Mercury Vapor Lamp	45.20	
26 01 50 51-0079	EA	1,000 Watt, Mercury Vapor Lamp	85.94	

26 01 50 51-0080 Metal Halide Lamps *(26 01 50 51-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0081	EA	50 Watt, Pulse Start Metal Halide Lamp	43.24	
26 01 50 51-0082	EA	70 Watt, Pulse Start Metal Halide Lamp	41.01	
26 01 50 51-0083	EA	100 Watt, Pulse Start Metal Halide Lamp	48.07	
26 01 50 51-0084	EA	150 Watt, Pulse Start Metal Halide Lamp	46.47	
26 01 50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	46.01	
26 01 50 51-0086	EA	250 Watt, Pulse Start Metal Halide Lamp	46.32	
26 01 50 51-0087	EA	400 Watt, Pulse Start Metal Halide Lamp	57.59	
26 01 50 51-0088	EA	1,000 Watt, Pulse Start Metal Halide Lamp	68.39	
26 01 50 51-0089	EA	1,500 Watt, Pulse Start Metal Halide Lamp	67.94	

26 01 50 51-0090 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0091	EA	35 Watt, High Pressure Sodium Lamp	34.13	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0092	EA	50 Watt, High Pressure Sodium Lamp	34.13	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0093	EA	70 Watt, High Pressure Sodium Lamp	35.10	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0094	EA	100 Watt, High Pressure Sodium Lamp	36.93	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0095	EA	150 Watt, High Pressure Sodium Lamp	35.10	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0096	EA	250 Watt, High Pressure Sodium Lamp	35.10	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0097	EA	400 Watt, High Pressure Sodium Lamp	32.36	
		For Enclosed And Gasket Light Fixtures, Add	*1.99*	
26 01 50 51-0098	EA	1,000 Watt, High Pressure Sodium Lamp	85.15	

26 01 50 51-0099 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0100	EA	35 Watt, Low Pressure Sodium Lamp	100.49	
26 01 50 51-0101	EA	55 Watt, Low Pressure Sodium Lamp	113.16	
26 01 50 51-0102	EA	70 Watt, Low Pressure Sodium Lamp	116.01	
26 01 50 51-0103	EA	90 Watt, Low Pressure Sodium Lamp	118.86	
26 01 50 51-0104	EA	135 Watt, Low Pressure Sodium Lamp	130.28	
26 01 50 51-0105	EA	180 Watt, Low Pressure Sodium Lamp	181.65	

26 01 50 51-0106 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0107 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0106)*

26 01 50 51-0108	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	23.24	

26 01 50 51-0109 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0106)*

26 01 50 51-0110	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	34.30	
26 01 50 51-0111	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	34.30	
26 01 50 51-0112	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	63.99	
26 01 50 51-0113	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	41.79	
26 01 50 51-0114	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	82.54	

26 01 50 51-0115 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0106)*

26 01 50 51-0116	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	44.86	
26 01 50 51-0117	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	38.59	
26 01 50 51-0118	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	55.25	
26 01 50 51-0119	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	44.15	
26 01 50 51-0120	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	62.67	
26 01 50 51-0121	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	44.15	

26 01 50 51-0122 LED Lamps, Medium Base, PAR *(26 01 50 51-0106)*

26 01 50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	50.80	
26 01 50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	73.84	
26 01 50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	73.84	
26 01 50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	70.13	
26 01 50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	66.42	
26 01 50 51-0128	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	66.42	
26 01 50 51-0129	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	141.38	
26 01 50 51-0130	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	73.84	
26 01 50 51-0131	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	70.13	
26 01 50 51-0132	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	73.84	
26 01 50 51-0133	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	73.84	

26 01 50 51-0134 LED Lamps, GU Base, MR16 *(26 01 50 51-0106)*

26 01 50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	31.16	
26 01 50 51-0136	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	44.86	
26 01 50 51-0137	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	50.80	

26 01 50 51-0138 LED Lamps, PL Series *(26 01 50 51-0106)*

26 01 50 51-0139	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	19.94	
26 01 50 51-0140	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	26.78	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0141	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	23.25	
26 01 50 51-0142	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	25.46	
26 01 50 51-0143	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	25.46	
26 01 50 51-0144	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	29.44	
26 01 50 51-0145	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	25.46	
26 01 50 51-0146	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	25.46	
26 01 50 51-0147	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	25.46	
26 01 50 51-0148	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	25.46	
26 01 50 51-0149	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	28.11	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	28.11	
26 01 50 51-0151	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	28.11	
26 01 50 51-0152	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	28.11	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	26.78	
26 01 50 51-0154	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	26.78	
26 01 50 51-0155	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	26.78	
26 01 50 51-0156	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	27.67	
26 01 50 51-0157	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	27.67	
26 01 50 51-0158	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	27.86	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	27.86	
26 01 50 51-0160	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	27.86	
26 01 50 51-0161	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	27.86	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	28.55	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	28.55	
26 01 50 51-0164	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	28.55	
26 01 50 51-0165	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	28.55	
26 01 50 51-0166	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	28.55	
26 01 50 51-0167	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	28.55	
26 01 50 51-0168	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	28.55	
26 01 50 51-0169	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	28.55	
26 01 50 51-0170	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	35.46	
26 01 50 51-0171	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	35.46	
26 01 50 51-0172	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	35.46	
26 01 50 51-0173	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	33.87	
26 01 50 51-0174	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	33.87	
26 01 50 51-0175	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	33.87	
26 01 50 51-0176	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	24.29	

26 01 50 51-0177 HID LED Lamps, Medium Base E26 *(26 01 50 51-0106)*

26 01 50 51-0178	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	64.37	
26 01 50 51-0179	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	64.37	
26 01 50 51-0180	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	80.72	
26 01 50 51-0181	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	80.72	
26 01 50 51-0182	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	59.24	
26 01 50 51-0183	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	59.24	
26 01 50 51-0184	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	59.24	
26 01 50 51-0185	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	59.24	
26 01 50 51-0186	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	61.01	
26 01 50 51-0187	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	61.01	
26 01 50 51-0188	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	61.01	
26 01 50 51-0189	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	61.01	
26 01 50 51-0190	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	68.09	
26 01 50 51-0191	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	68.09	
26 01 50 51-0192	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	68.09	
26 01 50 51-0193	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	68.09	
26 01 50 51-0194	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	76.93	
26 01 50 51-0195	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	76.93	
26 01 50 51-0196	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	76.93	
26 01 50 51-0197	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	76.93	
26 01 50 51-0198	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	96.38	
26 01 50 51-0199	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	96.38	
26 01 50 51-0200	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	96.38	
26 01 50 51-0201	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	96.38	
26 01 50 51-0202	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	113.19	
26 01 50 51-0203	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	113.19	
26 01 50 51-0204	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	113.19	
26 01 50 51-0205	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	113.19	
26 01 50 51-0206	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	124.68	
26 01 50 51-0207	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	124.68	
26 01 50 51-0208	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	124.68	
26 01 50 51-0209	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	124.68	
26 01 50 51-0210	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	166.24	
26 01 50 51-0211	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	166.24	
26 01 50 51-0212	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	166.24	
26 01 50 51-0213	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	166.24	
26 01 50 51-0214	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	171.55	
26 01 50 51-0215	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	171.55	
26 01 50 51-0216	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	171.55	
26 01 50 51-0217	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	171.55	
26 01 50 51-0218	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	202.50	
26 01 50 51-0219	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	202.50	
26 01 50 51-0220	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	202.50	
26 01 50 51-0221	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	202.50	
26 01 50 51-0222	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	239.64	
26 01 50 51-0223	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	239.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0224	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	239.64	
26 01 50 51-0225	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	239.64	
26 01 50 51-0226	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	78.93	
26 01 50 51-0227	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	85.12	
26 01 50 51-0228	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	85.12	
26 01 50 51-0229	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	78.93	
26 01 50 51-0230	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	98.38	
26 01 50 51-0231	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	90.43	
26 01 50 51-0232	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	108.11	
26 01 50 51-0233	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	107.07	
26 01 50 51-0234	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	109.44	
26 01 50 51-0235	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	109.44	
26 01 50 51-0236	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	67.46	
26 01 50 51-0237	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	67.46	
26 01 50 51-0238	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	75.64	
26 01 50 51-0239	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	75.64	
26 01 50 51-0240	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	81.08	
26 01 50 51-0241	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	81.08	
26 01 50 51-0242	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	89.25	
26 01 50 51-0243	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	89.25	
26 01 50 51-0244	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	89.67	
26 01 50 51-0245	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	96.93	
26 01 50 51-0246	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	119.83	
26 01 50 51-0247	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	131.68	
26 01 50 51-0248	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	53.59	
26 01 50 51-0249	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	59.96	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	63.14	
26 01 50 51-0251	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	69.07	
26 01 50 51-0252	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	82.44	
26 01 50 51-0253	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	96.05	
26 01 50 51-0254	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	130.06	
26 01 50 51-0255	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	136.86	
26 01 50 51-0256	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	147.75	
26 01 50 51-0257	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	154.55	
26 01 50 51-0258	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	221.21	
26 01 50 51-0259	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	73.61	

26 01 50 51-0260 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0106)*

26 01 50 51-0261	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	212.67	
26 01 50 51-0262	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	212.67	
26 01 50 51-0263	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	212.67	
26 01 50 51-0264	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	64.37	
26 01 50 51-0265	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	64.37	
26 01 50 51-0266	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	64.37	
26 01 50 51-0267	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	80.72	
26 01 50 51-0268	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	80.72	
26 01 50 51-0269	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	80.72	
26 01 50 51-0270	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	147.05	
26 01 50 51-0271	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	166.24	
26 01 50 51-0272	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	166.24	
26 01 50 51-0273	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	166.24	
26 01 50 51-0274	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	166.24	
26 01 50 51-0275	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	171.55	
26 01 50 51-0276	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	171.55	
26 01 50 51-0277	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	171.55	
26 01 50 51-0278	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	171.55	
26 01 50 51-0279	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	202.50	
26 01 50 51-0280	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	202.50	
26 01 50 51-0281	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	202.50	
26 01 50 51-0282	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	202.50	
26 01 50 51-0283	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	239.64	
26 01 50 51-0284	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	239.64	
26 01 50 51-0285	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	239.64	
26 01 50 51-0286	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	239.64	
26 01 50 51-0287	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	85.12	
26 01 50 51-0288	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	85.12	
26 01 50 51-0289	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	98.38	
26 01 50 51-0290	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	97.16	
26 01 50 51-0291	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	108.11	
26 01 50 51-0292	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	107.07	
26 01 50 51-0293	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	109.44	
26 01 50 51-0294	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	106.36	
26 01 50 51-0295	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	226.61	
26 01 50 51-0296	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	85.09	
26 01 50 51-0297	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	85.09	
26 01 50 51-0298	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	96.09	
26 01 50 51-0299	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	96.09	
26 01 50 51-0300	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	102.71	
26 01 50 51-0301	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	102.71	
26 01 50 51-0302	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	67.35	
26 01 50 51-0303	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	67.35	
26 01 50 51-0304	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	75.64	
26 01 50 51-0305	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	75.64	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0306	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	81.08	
26 01 50 51-0307	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	81.08	
26 01 50 51-0308	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	89.25	
26 01 50 51-0309	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	89.25	
26 01 50 51-0310	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	158.12	
26 01 50 51-0311	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	182.35	
26 01 50 51-0312	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	216.84	
26 01 50 51-0313	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	419.92	
26 01 50 51-0314	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	396.73	
26 01 50 51-0315	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	419.92	
26 01 50 51-0316	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	421.73	
26 01 50 51-0317	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	66.95	
26 01 50 51-0318	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	66.95	
26 01 50 51-0319	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	66.95	
26 01 50 51-0320	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	193.57	
26 01 50 51-0321	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	426.73	
26 01 50 51-0322	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	185.56	
26 01 50 51-0323	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	217.56	
26 01 50 51-0324	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	99.20	
26 01 50 51-0325	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	300.08	

26 01 50 51-0326 LED Lamps, 2G11 Base *(26 01 50 51-0106)*

26 01 50 51-0327	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	46.70	

26 01 50 51-0328 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0106)*

26 01 50 51-0329	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	21.51	

26 01 50 51-0330 LED Lamps, G24 Base *(26 01 50 51-0106)*

26 01 50 51-0331	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	28.81	

26 01 50 51-0332 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0106)*

26 01 50 51-0333	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	39.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.08*
26 01 50 51-0334	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	52.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.08*
26 01 50 51-0335	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	42.77	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.21*
26 01 50 51-0336	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	46.99	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.34*
26 01 50 51-0337	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	51.91	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.34*
26 01 50 51-0338	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	30.98	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.34*
26 01 50 51-0339	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	30.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.08*
26 01 50 51-0340	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	27.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.08*
26 01 50 51-0341	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	27.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.21*
26 01 50 51-0342	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	27.20	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.34*
26 01 50 51-0343	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	28.36	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.34*

26 01 50 51-0344 Filament LED Lamps *(26 01 50 51-0106)*

26 01 50 51-0345	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	17.09	
26 01 50 51-0346	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	17.09	
26 01 50 51-0347	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	16.21	
26 01 50 51-0348	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	16.21	
26 01 50 51-0349	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	17.62	
26 01 50 51-0350	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	17.62	
26 01 50 51-0351	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	14.44	
26 01 50 51-0352	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	14.44	
26 01 50 51-0353	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	14.97	
26 01 50 51-0354	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	18.86	
26 01 50 51-0355	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	20.76	

26 01 50 51-0356 Other Lamps *(26 01 50 51-0106)*

26 01 50 51-0357	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	16.07	
26 01 50 51-0358	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	16.07	
26 01 50 51-0359	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	16.07	
26 01 50 51-0360	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	16.95	
26 01 50 51-0361	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	16.95	
26 01 50 51-0362	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	16.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 51-0363 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0106)*

26 01 50 51-0364	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	49.37	
26 01 50 51-0365	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	38.17	

26 01 50 51-0366 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0375 for recycling hazardous lamps.

26 01 50 51-0367	EA	Removal Of 2' Length Linear Fluorescent Lamps	2.75	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.91*	
26 01 50 51-0368	EA	Removal Of 3' Length Linear Fluorescent Lamps	3.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.04*	
26 01 50 51-0369	EA	Removal Of 4' Length Linear Fluorescent Lamps	3.54	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.17*	
26 01 50 51-0370	EA	Removal Of 6' Length Linear Fluorescent Lamps	3.94	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.30*	
26 01 50 51-0371	EA	Removal Of 8' Length Linear Fluorescent Lamps	4.33	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.43*	
26 01 50 51-0372	EA	Removal Of Compact Fluorescent Lamps	2.36	
		For >25 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.47*	
26 01 50 51-0373	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	3.74	
		For >25 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-0.75*	
26 01 50 51-0374	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	6.69	
		For >25 To 40, Deduct	*-0.67*	
		For >40, Deduct	*-1.34*	

26 01 50 51-0375 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0376	EA	Recycle 2' Length Linear Fluorescent Lamps	1.79
26 01 50 51-0377	EA	Recycle 3' Length Linear Fluorescent Lamps	2.29
26 01 50 51-0378	EA	Recycle 4' Length Linear Fluorescent Lamps	2.79
26 01 50 51-0379	EA	Recycle 6' Length Linear Fluorescent Lamps	3.95
26 01 50 51-0380	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95
26 01 50 51-0381	EA	Recycle Compact Fluorescent Lamps	4.56
26 01 50 51-0382	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56
26 01 50 51-0383	EA	Recycle High Intensity Discharge (HID) Lamps	7.20

26 01 50 52 Ballasts Replacement *(26 01 50)*

26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 T5 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0004 T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	131.39	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	135.33	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*8.12*	

26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	131.39	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	135.33	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*8.12*	

26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	131.39	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	135.33	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*8.12*	

26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	131.39	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	135.33	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0017		54 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	131.22	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	135.16	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	187.67	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	191.61	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0022		High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0003)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	108.32	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	112.26	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0026		24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	145.19	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	149.13	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0029		39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	145.19	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	149.13	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0032		54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	108.32	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	112.26	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0035		Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*		
26 01 50 52-0036		Step Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	115.11	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0039		Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	494.47	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	484.47	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0043		T8 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.05	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.58	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	54.99	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.52	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.28	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*19.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	113.77	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	76.64	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	123.39	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.05	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.58	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	54.99	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.52	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.28	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	113.77	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	76.64	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	123.39	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.05	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.58	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	54.99	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.52	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.28	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	113.77	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	76.64	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	123.39	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.05	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.58	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	54.99	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.52	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.28	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	113.77	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	76.64	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*48.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	123.39	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	88.51	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.58	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	92.45	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.52	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	116.20	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
		For High Ballast Factor, Add	*5.20*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	113.77	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	120.14	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
		For High Ballast Factor, Add	*5.20*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	123.39	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	

26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	108.32	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*18.09*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	112.26	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
		For High Ballast Factor, Add	*18.09*	

26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0043)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	133.82	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.87	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	137.76	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	181.81	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	

26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	133.82	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.87	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	137.76	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	181.81	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	

26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	133.82	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.87	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	137.76	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	181.81	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	

26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	133.82	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.87	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	137.76	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	181.81	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	

26 01 50 52-0114 Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0115		Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)* Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.29	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	143.82	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	147.75	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0123		25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.29	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	143.82	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	147.75	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0130		28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.29	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	143.82	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	147.75	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0137		32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.29	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	143.82	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	147.75	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0144		40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.29	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	143.82	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	147.75	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0151		Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)* Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.84	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	136.06	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	139.99	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0159		25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.84	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	136.06	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	139.99	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0166		28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.84	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	136.06	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	139.99	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0173		32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.84	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	136.06	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	139.99	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0180		40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	61.93	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	65.87	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.84	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.40	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	136.06	31.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	139.99	35.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 01 50 52-0187		Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188		17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*		
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.61	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.55	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	204.89	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	208.83	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0193		25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.61	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.55	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	204.89	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	208.83	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0198		**28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.61	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.55	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	204.89	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	208.83	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0203		**32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.61	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.55	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	204.89	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	208.83	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0208		**T10 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0209		**T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0208)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		**40 Watt, T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	77.14	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	81.08	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	99.80	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0214		**T12 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0215		**T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		**25 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	51.05	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	77.14	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	54.99	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.08	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	67.28	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	76.64	27.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0223		**30 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	77.14	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.08	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.80	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0227		**34 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	77.14	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.08	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.80	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0231		**40 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	77.14	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.08	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.80	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0235		**96 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.71	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	112.26	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0238		**High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		**48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	134.31	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	138.25	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0242		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	134.31	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	138.25	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	134.31	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	138.25	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	134.31	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	138.25	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	205.02	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	353.46	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	446.07	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	322.50	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,616.07	23.62
		For Factory Installation In New Fixtures, Deduct	*-34.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.39*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	454.25	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	778.26	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	415.57	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	578.37	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	442.42	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	501.85	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	545.41	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	454.55	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	463.28	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	400.29	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	415.57	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	407.08	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	765.59	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	964.30	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,828.66	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,261.80	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	628.02	19.68
		For Factory Installation In New Fixtures, Deduct	*-33.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.92*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	823.73	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,730.27	19.68
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	156.00	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	248.36	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	303.75	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	343.29	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	353.29	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	469.05	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	561.93	15.74
		For Factory Installation In New Fixtures, Deduct	*-31.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.45*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	123.59	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	127.53	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0289		**26 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	123.59	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	127.53	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0292		**32 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.24	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	160.18	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0295		**40 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	119.69	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.24	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	233.31	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	160.18	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	275.46	23.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 01 50 52-0301		**42 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.24	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	160.18	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0304		**55 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.24	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	160.18	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0307		**Dimming, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0284)*		
26 01 50 52-0308		**Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		**18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	239.72	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	243.66	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0312		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	239.72	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	243.66	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0315		**32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	239.72	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	261.69	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0318		**40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	261.69	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0320		**42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	239.72	15.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	261.69	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0323			**55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0324		EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	390.78	15.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0325		EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	437.11	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0326			**High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0327			**Magnetic High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0326)*		
26 01 50 52-0328			**Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0329			**Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0328)*		
26 01 50 52-0330		EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	162.72	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0331		EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	167.09	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0332		EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	167.09	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0333		EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	154.65	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0334		EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	154.65	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0335		EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	238.04	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0336		EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	238.04	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0337		EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	311.49	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0338		EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	348.96	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0339			**High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0328)*		
26 01 50 52-0340		EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	145.45	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0341		EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	155.22	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0342		EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	151.00	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0343		EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	180.38	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0344		EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	176.18	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0345		EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	203.44	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0346		EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	203.44	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0347		EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	248.77	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0348		EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	248.77	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0349		EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	407.85	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0350		EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	407.85	19.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0351			**Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0328)*		
26 01 50 52-0352		EA	Single Mounting Bracket For Core And Coil Type	14.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 01 50 52-0353		EA	Double Mounting Bracket For Core And Coil Type	24.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.54*	
26 01 50 52-0354			**F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0355			**Metal Halide, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0354)*		
26 01 50 52-0356		EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	210.86	19.68
			For Pulse Start Ballast, Add	*18.33*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0357		EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	222.98	19.68
			For Pulse Start Ballast, Add	*19.54*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0358		EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	201.68	19.68
			For Pulse Start Ballast, Add	*17.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0359		EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	236.69	19.68
			For Pulse Start Ballast, Add	*20.91*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0360		EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	334.80	19.68
			For Pulse Start Ballast, Add	*30.72*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0361		High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*		
26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	256.81	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	275.70	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0364		Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0365		Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*		
26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	437.99	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0367		High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*		
26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	711.99	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.83*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	792.56	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.83*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	764.68	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.83*	
26 01 50 52-0371		Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0372		Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	542.93	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	618.38	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	821.84	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	817.46	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,150.77	21.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,150.77	21.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	787.52	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	929.32	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0381		High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,026.83	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	976.85	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,260.19	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,260.19	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0386		Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0387		Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	612.07	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	662.42	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	657.46	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	691.20	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,106.78	21.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,364.38	21.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,032.68	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	938.76	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0396		High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*		
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	794.78	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	858.29	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,289.50	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,107.31	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	235.01	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	235.01	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	266.84	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	712.91	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	712.91	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	712.91	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	712.91	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	712.91	19.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	15.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	19.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	22.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	24.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.32*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	27.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	29.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	95.57	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	228.24	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	243.31	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	109.54	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	38.70	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	39.77	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	44.41	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	17.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	17.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	19.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	21.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	22.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	19.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	68.60	

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0375 for hazardous lamp recycling.

26 01 50 81-0003 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0002)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0004	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	126.31	
		For Specular Ballast Cover, Add	*14.04*	
26 01 50 81-0005	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	133.59	
		For Specular Ballast Cover, Add	*15.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0006	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	176.28	
		For Specular Ballast Cover, Add	*24.04*	
26 01 50 81-0007	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	202.10	
		For Specular Ballast Cover, Add	*29.20*	

26 01 50 81-0008 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0002)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0009	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	132.58	
		For Specular Reflector, Add	*15.30*	
26 01 50 81-0010	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	140.62	
		For Specular Reflector, Add	*16.91*	
26 01 50 81-0011	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	185.07	
		For Specular Reflector, Add	*25.80*	
26 01 50 81-0012	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	235.83	
		For Specular Reflector, Add	*35.95*	

26 01 50 81-0013 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0002)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0014	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	164.94	
		For Specular Reflector, Add	*18.56*	
26 01 50 81-0015	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	172.22	
		For Specular Reflector, Add	*20.02*	
26 01 50 81-0016	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	174.47	
		For Specular Reflector, Add	*20.47*	
26 01 50 81-0017	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	193.73	
		For Specular Reflector, Add	*24.32*	
26 01 50 81-0018	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	233.75	
		For Specular Reflector, Add	*32.33*	
26 01 50 81-0019	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	179.75	
		For Specular Reflector, Add	*21.53*	
26 01 50 81-0020	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	196.64	
		For Specular Reflector, Add	*24.90*	
26 01 50 81-0021	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	210.60	
		For Specular Reflector, Add	*27.70*	

26 01 50 81-0022 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*

26 01 50 81-0023 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0022)*

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 81-0024	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	185.73
26 01 50 81-0025	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	185.73
26 01 50 81-0026	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	185.73
26 01 50 81-0027	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	200.14
26 01 50 81-0028	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	185.73
26 01 50 81-0029	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	185.73
26 01 50 81-0030	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	185.73
26 01 50 81-0031	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	200.14
26 01 50 81-0032	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	186.78
26 01 50 81-0033	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	186.78
26 01 50 81-0034	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	186.78
26 01 50 81-0035	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	201.18
26 01 50 81-0036	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	186.78
26 01 50 81-0037	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	186.78
26 01 50 81-0038	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	186.78
26 01 50 81-0039	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	201.18

26 01 50 81-0040 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0022)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0041	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	248.47	
26 01 50 81-0042	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	258.26	

26 01 50 81-0043 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0022)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 81-0044	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	378.29	
26 01 50 81-0045	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	387.04	
26 01 50 81-0046	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	378.29	
26 01 50 81-0047	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	387.04	
26 01 50 81-0048	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	430.78	
26 01 50 81-0049	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	443.90	
26 01 50 81-0050	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	474.52	

26 01 50 81-0051 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0022)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 81-0052	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	351.52	
26 01 50 81-0053	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	363.73	
26 01 50 81-0054	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	367.38	
26 01 50 81-0055	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	379.58	
26 01 50 81-0056	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	269.16	
26 01 50 81-0057	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	274.96	
26 01 50 81-0058	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	284.23	
26 01 50 81-0059	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	290.03	
26 01 50 81-0060	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	354.94	
26 01 50 81-0061	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	419.84	

26 01 50 81-0062 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0022)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 81-0063	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	330.91	
26 01 50 81-0064	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	243.52	
26 01 50 81-0065	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	339.10	
26 01 50 81-0066	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	251.64	
26 01 50 81-0067	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	353.86	
26 01 50 81-0068	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	273.59	
26 01 50 81-0069	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	385.56	
26 01 50 81-0070	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	297.98	
26 01 50 81-0071	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	393.22	
26 01 50 81-0072	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	305.71	
26 01 50 81-0073	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	407.80	
26 01 50 81-0074	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	327.55	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0075		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0022)*		
		Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.		
26 01 50 81-0076	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	685.93	
26 01 50 81-0077	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	760.53	
26 01 50 81-0078		Retrofit Existing HID Fixtures *(26 01 50 81-0001)*		
26 01 50 81-0079	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,548.14	
26 01 50 81-0080		LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*		
		Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0375 for disposal of hazardous lamps.		
26 01 50 81-0081		LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0080)*		
26 01 50 81-0082	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	132.84	
		For >25 To 50, Deduct	*-6.64*	
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-20.50*	
26 01 50 81-0083	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	184.89	
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-15.67*	
		For >100, Deduct	*-25.70*	
26 01 50 81-0084	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	143.92	
		For >25 To 50, Deduct	*-7.20*	
		For >50 To 100, Deduct	*-12.70*	
		For >100, Deduct	*-22.01*	
26 01 50 81-0085	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	133.76	
		For >25 To 50, Deduct	*-6.69*	
		For >50 To 100, Deduct	*-11.94*	
		For >100, Deduct	*-20.99*	
26 01 50 81-0086	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	170.36	
		For >25 To 50, Deduct	*-8.52*	
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-25.05*	
26 01 50 81-0087	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	215.47	
		For >25 To 50, Deduct	*-10.77*	
		For >50 To 100, Deduct	*-18.16*	
		For >100, Deduct	*-29.56*	
26 01 50 81-0088	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	144.04	
		For >25 To 50, Deduct	*-7.20*	
		For >50 To 100, Deduct	*-12.81*	
		For >100, Deduct	*-22.42*	
26 01 50 81-0089	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	144.04	
		For >25 To 50, Deduct	*-7.20*	
		For >50 To 100, Deduct	*-12.81*	
		For >100, Deduct	*-22.42*	
26 01 50 81-0090	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	179.38	
		For >25 To 50, Deduct	*-8.97*	
		For >50 To 100, Deduct	*-15.46*	
		For >100, Deduct	*-25.95*	
26 01 50 81-0091	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	155.32	
		For >25 To 50, Deduct	*-7.77*	
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-23.55*	
26 01 50 81-0092	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	155.32	
		For >25 To 50, Deduct	*-7.77*	
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-23.55*	
26 01 50 81-0093		LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0080)*		
26 01 50 81-0094	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	293.32	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.67*	
		For >50 To 100, Deduct	*-24.00*	
		For >100, Deduct	*-37.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0095	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	314.66	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.73*	
		For >50 To 100, Deduct	*-25.60*	
		For >100, Deduct	*-39.48*	
26 01 50 81-0096	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	330.61	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-16.53*	
		For >50 To 100, Deduct	*-26.80*	
		For >100, Deduct	*-41.08*	
26 01 50 81-0097	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	355.53	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-17.78*	
		For >50 To 100, Deduct	*-28.67*	
		For >100, Deduct	*-43.57*	
26 01 50 81-0098	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	383.82	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-31.19*	
		For >100, Deduct	*-48.00*	
26 01 50 81-0099	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	412.76	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-20.64*	
		For >50 To 100, Deduct	*-33.36*	
		For >100, Deduct	*-50.89*	

26 01 50 81-0100 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0080)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 81-0101	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	125.07	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.25*	
		For >50 To 100, Deduct	*-11.18*	
		For >100, Deduct	*-19.72*	
26 01 50 81-0102	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	125.07	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.25*	
		For >50 To 100, Deduct	*-11.18*	
		For >100, Deduct	*-19.72*	
26 01 50 81-0103	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	161.45	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.07*	
		For >50 To 100, Deduct	*-14.11*	
		For >100, Deduct	*-24.16*	
26 01 50 81-0104	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	161.45	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.07*	
		For >50 To 100, Deduct	*-14.11*	
		For >100, Deduct	*-24.16*	
26 01 50 81-0105	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	161.57	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-14.12*	
		For >100, Deduct	*-24.17*	
26 01 50 81-0106	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	174.61	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.73*	
		For >50 To 100, Deduct	*-15.10*	
		For >100, Deduct	*-25.48*	
26 01 50 81-0107	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	161.57	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-14.12*	
		For >100, Deduct	*-24.17*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0108	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	174.61	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.73*	
		For >50 To 100, Deduct	*-15.10*	
		For >100, Deduct	*-25.48*	
26 01 50 81-0109	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	161.57	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-14.12*	
		For >100, Deduct	*-24.17*	
26 01 50 81-0110	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	174.61	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.73*	
		For >50 To 100, Deduct	*-15.10*	
		For >100, Deduct	*-25.48*	
26 01 50 81-0111	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	161.57	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-14.12*	
		For >100, Deduct	*-24.17*	
26 01 50 81-0112	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	174.61	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.73*	
		For >50 To 100, Deduct	*-15.10*	
		For >100, Deduct	*-25.48*	
26 01 50 81-0113	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	174.50	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.73*	
		For >50 To 100, Deduct	*-15.09*	
		For >100, Deduct	*-25.46*	
26 01 50 81-0114	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	202.40	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.12*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-28.25*	
26 01 50 81-0115	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	218.71	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.94*	
		For >50 To 100, Deduct	*-18.41*	
		For >100, Deduct	*-29.89*	
26 01 50 81-0116	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	202.40	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.12*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-28.25*	
26 01 50 81-0117	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	218.71	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.94*	
		For >50 To 100, Deduct	*-18.41*	
		For >100, Deduct	*-29.89*	
26 01 50 81-0118	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	203.50	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-10.18*	
		For >50 To 100, Deduct	*-15.66*	
		For >100, Deduct	*-21.95*	
26 01 50 81-0119	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	187.01	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-20.30*	
26 01 50 81-0120	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	209.94	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.50*	
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-31.41*	
26 01 50 81-0121	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	218.09	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.90*	
		For >50 To 100, Deduct	*-18.96*	
		For >100, Deduct	*-32.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0122	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	298.16	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-14.91*	
		For >50 To 100, Deduct	*-24.97*	
		For >100, Deduct	*-40.23*	
26 01 50 81-0123	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	330.77	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-16.54*	
		For >50 To 100, Deduct	*-27.41*	
		For >100, Deduct	*-43.49*	
26 01 50 81-0124	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	298.16	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-14.91*	
		For >50 To 100, Deduct	*-24.97*	
		For >100, Deduct	*-40.23*	
26 01 50 81-0125	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	330.77	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-16.54*	
		For >50 To 100, Deduct	*-27.41*	
		For >100, Deduct	*-43.49*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,191.77	1,177.95
26 05 13 16-0005	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,901.33	1,286.20
26 05 13 16-0006	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,803.90	1,453.22
26 05 13 16-0007	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,478.15	1,790.42
26 05 13 16-0008	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,504.57	2,016.17
26 05 13 16-0009	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,306.11	2,237.90
26 05 13 16-0010	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,598.06	2,514.51
26 05 13 16-0011	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,663.23	2,797.50
26 05 13 16-0012	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,971.68	3,340.15
26 05 13 16-0013	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	19,977.05	3,926.26
26 05 13 16-0014	MLF	750 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	29,081.88	4,627.53
26 05 13 16-0015	MLF	1,000 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	38,194.13	5,328.46

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*
Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,044.54
26 05 13 16-0018	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,483.33
26 05 13 16-0019	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,968.32
26 05 13 16-0020	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,076.36
26 05 13 16-0021	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,538.25
26 05 13 16-0022	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,061.46
26 05 13 16-0023	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,661.91
26 05 13 16-0024	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,302.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0025	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,401.43	
26 05 13 16-0026	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,073.96	
26 05 13 16-0027		**Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** *(26 05 13 16-0002)*		
26 05 13 16-0028	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,181.96	750.75
26 05 13 16-0029	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,760.80	804.96
26 05 13 16-0030	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,794.40	1,017.94
26 05 13 16-0031	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,187.21	1,235.74
26 05 13 16-0032	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,203.01	1,450.66
26 05 13 16-0033	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,987.17	1,658.97
26 05 13 16-0034	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,272.87	1,924.88
26 05 13 16-0035	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,911.13	2,421.62
26 05 13 16-0036	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,518.50	3,064.11
26 05 13 16-0037	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,083.84	3,849.77
26 05 13 16-0038		**5 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0002)*		
26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,985.67	2,347.50
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,161.03	2,381.24
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,336.40	2,414.98
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,781.27	2,468.35
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,865.03	2,562.51
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	19,181.51	2,685.55
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	29,171.75	3,356.93
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	34,047.13	4,475.96
26 05 13 16-0047		**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** *(26 05 13 16-0002)*		
26 05 13 16-0048	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,416.25	1,177.95
26 05 13 16-0049	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,204.79	1,286.20
26 05 13 16-0050	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,194.65	1,453.22
26 05 13 16-0051	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,106.40	1,621.74
26 05 13 16-0052	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,018.56	1,790.42
26 05 13 16-0053	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,128.11	2,016.17
26 05 13 16-0054	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,154.13	2,237.90
26 05 13 16-0055	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,554.16	2,514.51
26 05 13 16-0056	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,863.76	2,797.50
26 05 13 16-0057	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	17,343.48	3,340.15
26 05 13 16-0058	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	21,806.11	3,926.26
26 05 13 16-0059	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	32,234.99	4,627.53
26 05 13 16-0060	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	42,671.26	5,328.46
26 05 13 16-0061		**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** *(26 05 13 16-0002)*		
		Note: Excludes excavation.		
26 05 13 16-0062	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,269.01	
26 05 13 16-0063	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,786.79	
26 05 13 16-0064	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,359.07	
26 05 13 16-0065	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,988.56	
26 05 13 16-0066	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,616.77	
26 05 13 16-0067	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,161.80	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0068	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,909.48	
26 05 13 16-0069	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,618.01	
26 05 13 16-0070	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,503.20	
26 05 13 16-0071	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,773.23	
26 05 13 16-0072	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,903.03	

26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0074	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,406.44	750.75
26 05 13 16-0075	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,064.26	804.96
26 05 13 16-0076	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,185.15	1,017.94
26 05 13 16-0077	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,954.43	1,126.04
26 05 13 16-0078	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,727.62	1,235.74
26 05 13 16-0079	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,826.55	1,450.66
26 05 13 16-0080	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,835.19	1,658.97
26 05 13 16-0081	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,228.97	1,924.88
26 05 13 16-0082	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,111.66	2,421.62
26 05 13 16-0083	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,890.30	3,064.11
26 05 13 16-0084	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,912.90	3,849.77

26 05 13 16-0085 15 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*

26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*

26 05 13 16-0088	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,031.90	2,347.50
26 05 13 16-0089	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,675.38	2,347.50
26 05 13 16-0090	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,920.82	2,347.50
26 05 13 16-0091	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	10,720.40	2,347.50
26 05 13 16-0092	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,479.31	2,347.50
26 05 13 16-0093	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	13,010.23	2,450.39
26 05 13 16-0094	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	13,308.38	2,450.39
26 05 13 16-0095	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	15,215.20	2,562.51
26 05 13 16-0096	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	17,113.56	2,622.60
26 05 13 16-0097	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	20,964.41	2,954.10

26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)*

Note: Excludes excavation.

26 05 13 16-0099	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,395.62	
26 05 13 16-0100	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,195.18	
26 05 13 16-0101	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,954.10	
26 05 13 16-0102	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,517.48	
26 05 13 16-0103	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,815.62	
26 05 13 16-0104	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,861.68	
26 05 13 16-0105	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,763.72	
26 05 13 16-0106	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,278.87	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0107			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*		
26 05 13 16-0108		MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,816.16	1,072.47
26 05 13 16-0109		MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,036.59	1,235.74
26 05 13 16-0110		MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,349.42	1,450.66
26 05 13 16-0111		MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,160.38	1,658.97
26 05 13 16-0112		MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,143.77	1,924.88
26 05 13 16-0113		MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,584.55	2,240.81
26 05 13 16-0114		MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,286.99	2,611.12
26 05 13 16-0115		MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,396.80	3,033.06
26 05 13 16-0116			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0117			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*		
26 05 13 16-0118		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,601.27	2,347.50
26 05 13 16-0119		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,360.57	2,347.50
26 05 13 16-0120		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,650.19	2,347.50
26 05 13 16-0121		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,593.69	2,347.50
26 05 13 16-0122		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,489.21	2,347.50
26 05 13 16-0123		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,249.43	2,450.39
26 05 13 16-0124		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,601.24	2,450.39
26 05 13 16-0125		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,800.79	2,562.51
26 05 13 16-0126		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	19,013.83	2,622.60
26 05 13 16-0127		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	23,408.66	2,954.10
26 05 13 16-0128			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)* Note: Excludes excavation.		
26 05 13 16-0129		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,124.99	
26 05 13 16-0130		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,068.48	
26 05 13 16-0131		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,964.00	
26 05 13 16-0132		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,756.68	
26 05 13 16-0133		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,108.48	
26 05 13 16-0134		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,442.66	
26 05 13 16-0135		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,653.47	
26 05 13 16-0136		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	20,723.12	
26 05 13 16-0137			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*		
26 05 13 16-0138		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,545.53	1,072.47
26 05 13 16-0139		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,909.89	1,235.74
26 05 13 16-0140		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,359.32	1,450.66
26 05 13 16-0141		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,399.58	1,658.97
26 05 13 16-0142		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,436.63	1,924.88
26 05 13 16-0143		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,170.14	2,240.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0144	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,187.26	2,611.12
26 05 13 16-0145	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,841.05	3,033.06
26 05 13 16-0146		**15 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0085)*		
26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,473.94	2,355.73
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,968.52	2,412.04
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	15,925.77	2,468.35
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	21,524.34	2,632.84
26 05 13 16-0151		**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0085)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152		**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.48	17.95
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	73.61	19.13
26 05 13 16-0155		**Aluminum Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.48	17.95
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	73.61	19.13
26 05 13 16-0158		**Underground Residential Distribution (URD), 15 KV Primary Concentric UD Cable** *(26 05 13 16-0085)* Note: 0.175" cross-linked polyethylene (XLPE) insulation, copper conductor.		
26 05 13 16-0159	MLF	#4 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,478.88	1,177.95
26 05 13 16-0160	MLF	#2 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,289.45	1,286.20
26 05 13 16-0161	MLF	#1 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,303.68	1,453.22
26 05 13 16-0162	MLF	1/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,157.43	1,785.55
26 05 13 16-0163	MLF	2/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,287.00	2,010.13
26 05 13 16-0164	MLF	3/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,390.72	2,237.90
26 05 13 16-0165	MLF	4/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	12,797.46	2,505.11
26 05 13 16-0166		**15 KV, Underground Residential Distribution (URD), Copper Cable, Direct Burial** *(26 05 13 16-0085)*		
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	19,948.73	
26 05 13 16-0168		**Wire Connections** *(26 05 13 16-0001)*		
26 05 13 16-0169		**Medium Voltage Up To 5 KV** *(26 05 13 16-0168)*		
26 05 13 16-0170		**Shielded One Conductor Cable Splice** *(26 05 13 16-0169)*		
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	558.57	159.97
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	795.85	159.97
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	795.85	159.97
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	843.46	191.97
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	843.46	191.97
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	843.46	191.97
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	906.94	223.96
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	906.94	223.96
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	906.94	223.96
26 05 13 16-0180		**Cable Termination Without Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	884.54	191.97
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	1,018.76	223.96
26 05 13 16-0183		**Cable Termination With Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,800.95	383.94
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,841.85	527.93
26 05 13 16-0186		**Connect To Pothead, Pothead Included** *(26 05 13 16-0169)*		
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,944.27	383.94
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,807.46	439.94
26 05 13 16-0189		**Two Conductor Pothead** *(26 05 13 16-0169)* Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,929.84	527.93
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,628.14	671.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,239.45	761.81
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	7,209.24	888.83
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	13,529.72	1,333.09
26 05 13 16-0195		Three Conductor Pothead *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,087.42	767.89
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,901.60	895.87
26 05 13 16-0198		Copper Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	102.08	
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	113.57	
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	132.37	
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	149.15	
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	168.75	
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	187.25	
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	205.29	
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	225.23	
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	244.03	
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	263.67	
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	284.43	
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	302.55	
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	343.39	
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	386.86	
26 05 13 16-0213		Aluminum Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	107.19	
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	116.40	
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	158.48	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	192.47	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	209.64	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	226.66	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	250.05	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	270.28	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	289.30	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	309.49	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	328.85	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	381.07	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	433.86	
26 05 13 16-0227		15 KV *(26 05 13 16-0168)*		
26 05 13 16-0228		Single Conductor Pothead On Racks *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,328.74	671.90
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,986.10	831.88
26 05 13 16-0231		Two Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,393.75	1,023.85
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	4,099.38	1,215.82
26 05 13 16-0234		Three Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	4,312.75	1,327.81
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	5,367.85	1,663.76
26 05 13 16-0237		Stress Relief Cone On Rack *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	2,155.59	671.90
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,791.43	831.88
26 05 13 16-0240		Grounded, Shielded Cable Splice *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,454.41	495.93
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,859.63	639.91
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	10,061.58	1,759.74
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	13,210.33	1,919.72
26 05 13 16-0245		Cable Termination *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	1,006.84	279.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.98*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	1,266.71	359.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,575.79	439.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.96*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	657.08	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 05 13 16-0250		Stress Cones, 5-15 KV, 4 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,413.02	207.97
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,615.78	229.86
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,937.27	251.55
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,520.52	289.82
26 05 13 16-0255		Stress Cones, 5-15 KV, 6 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,826.08	416.65
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,232.00	459.70
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	3,855.86	493.75
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	5,041.03	579.63
26 05 13 16-0260		35 KV *(26 05 13 16-0168)*		
26 05 13 16-0261		35 KV One Conductor Splice *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,644.73	
26 05 13 16-0263		Cable Termination *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	923.54	192.13
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,239.53	289.88
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	1,459.91	310.04
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	726.79	159.97
26 05 13 16-0268		70 KV *(26 05 13 16-0168)*		
26 05 13 16-0269		Cable Splice *(26 05 13 16-0268)*		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing	23,343.41	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing	3,819.90	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001 Under Carpet Power System *(26 05 19 13)*

Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.35	0.73
26 05 19 13-0003	LF	Steel, Top Shield	12.07	0.73
26 05 19 13-0004	EA	3-Conductor, Splice	40.62	12.43
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	12.99	5.85
26 05 19 13-0006	EA	3-Conductor, Tap	50.17	14.61
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	72.44	12.43
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	46.82	7.31
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	141.98	23.39
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	235.26	36.54
26 05 19 13-0011	EA	Floor Mounted Box With Cover	230.43	29.23
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	9.86	0.73
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	9.79	0.73
26 05 19 13-0014	EA	5-Conductor, Splice	41.07	12.43
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	60.63	7.31
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	112.41	29.23
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	76.79	24.12
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	98.85	27.77
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	41.99	10.96
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.49	0.73
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	36.77	14.61
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	36.77	14.61
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	191.23	73.08

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.50	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.26	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.83	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.51	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	4.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	5.63	
26 05 19 16-0010		**Wire and Cable** *(26 05 19 16)* Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0011		**600 Volt Wire** *(26 05 19 16-0010)*		
26 05 19 16-0012		**Single Solid Conductor, Copper** *(26 05 19 16-0011)*		
26 05 19 16-0013	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	845.70	354.71
26 05 19 16-0014	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,049.52	417.27
26 05 19 16-0015	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,283.68	510.22
26 05 19 16-0016	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,063.62	354.71
26 05 19 16-0017	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,275.74	417.27
26 05 19 16-0018	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,514.99	510.22
26 05 19 16-0019		**Power Cable, Stranded Conductor, Copper** *(26 05 19 16-0011)*		
26 05 19 16-0020		**Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Single Stranded Conductor, Power Cable** *(26 05 19 16-0019)*		
26 05 19 16-0021	MLF	#16 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	877.53	292.31
26 05 19 16-0022	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,039.18	350.77
26 05 19 16-0023	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,266.34	409.23
26 05 19 16-0024	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,537.72	467.70
26 05 19 16-0025	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	2,027.51	584.62
26 05 19 16-0026	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,689.59	701.54
26 05 19 16-0027	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,635.30	876.93
26 05 19 16-0028	MLF	#3 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,276.66	993.86
26 05 19 16-0029	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,026.88	1,110.78
26 05 19 16-0030	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,148.03	1,227.70
26 05 19 16-0031	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,337.12	1,403.09
26 05 19 16-0032	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	8,731.92	1,578.48
26 05 19 16-0033	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,375.86	1,753.86
26 05 19 16-0034	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	12,337.23	1,929.25
26 05 19 16-0035	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,108.20	2,104.63
26 05 19 16-0036	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	15,422.27	2,280.02
26 05 19 16-0037	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,465.01	2,455.41
26 05 19 16-0038	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	18,352.37	2,630.79
26 05 19 16-0039	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	21,116.65	2,806.18
26 05 19 16-0040	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	24,211.60	3,040.02
26 05 19 16-0041	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	36,114.58	3,390.80
26 05 19 16-0042	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	50,487.75	3,975.41
26 05 19 16-0043		**Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Multi Stranded Conductor, Power Cable** *(26 05 19 16-0019)*		
26 05 19 16-0044	MLF	2 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,078.37	701.39
26 05 19 16-0045	MLF	3 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,532.94	818.61
26 05 19 16-0046	MLF	4 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,133.80	993.86
26 05 19 16-0047	MLF	6 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,676.23	1,081.11
26 05 19 16-0048	MLF	7 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,985.49	1,139.86
26 05 19 16-0049	MLF	9 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,601.81	1,256.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0050	MLF	10 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,436.68	1,309.84
26 05 19 16-0051	MLF	12 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,527.91	1,432.32
26 05 19 16-0052	MLF	14 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,072.22	1,520.31
26 05 19 16-0053	MLF	24 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,717.60	1,929.39
26 05 19 16-0054	MLF	37 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,165.10	2,864.64
26 05 19 16-0055	MLF	2 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,533.04	818.61
26 05 19 16-0056	MLF	3 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,214.57	993.86
26 05 19 16-0057	MLF	4 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,896.15	1,169.24
26 05 19 16-0058	MLF	2 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,366.62	1,051.88
26 05 19 16-0059	MLF	3 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,318.09	1,285.00
26 05 19 16-0060	MLF	4 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,566.96	1,637.23
26 05 19 16-0061	MLF	6 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,474.27	2,105.37
26 05 19 16-0062	MLF	9 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,039.74	2,689.40
26 05 19 16-0063	MLF	2 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,128.09	1,198.47
26 05 19 16-0064	MLF	3 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,205.59	1,403.09
26 05 19 16-0065	MLF	4 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,721.55	1,783.09
26 05 19 16-0066	MLF	2 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,233.18	1,344.63
26 05 19 16-0067	MLF	3 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,972.62	1,666.17
26 05 19 16-0068	MLF	4 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,880.28	2,054.94
26 05 19 16-0069	MLF	2 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,964.28	1,631.38
26 05 19 16-0070	MLF	3 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,993.85	1,865.97
26 05 19 16-0071	MLF	4 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,593.10	2,328.54
26 05 19 16-0072	MLF	2 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,467.65	1,987.13
26 05 19 16-0073	MLF	3 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	12,305.12	2,222.14
26 05 19 16-0074	MLF	4 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,307.48	2,923.10
26 05 19 16-0075	MLF	3 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,250.57	2,805.74
26 05 19 16-0076	MLF	4 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,080.64	3,506.26
26 05 19 16-0077	MLF	3 Conductors, 1/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	19,089.59	3,040.61
26 05 19 16-0078	MLF	3 Conductors, 2/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	23,122.75	3,506.26
26 05 19 16-0079	MLF	3 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	28,200.08	4,090.59
26 05 19 16-0080	MLF	4 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	37,113.12	5,259.39
26 05 19 16-0081	MLF	3 Conductors, 4/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	34,244.79	4,680.91
26 05 19 16-0082	MLF	3 Conductors, 250 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	36,688.12	5,259.39
26 05 19 16-0083	MLF	3 Conductors, 350 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	45,594.95	5,846.20
26 05 19 16-0084	MLF	3 Conductors, 500 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	58,366.80	6,425.27

26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0011)

Note: Direct bury.

26 05 19 16-0086	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,218.38	
26 05 19 16-0087	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,432.38	
26 05 19 16-0088	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,776.30	
26 05 19 16-0089	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,324.00	
26 05 19 16-0090	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,202.98	
26 05 19 16-0091	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,199.01	
26 05 19 16-0092	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,001.85	
26 05 19 16-0093	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,398.30	
26 05 19 16-0094	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,029.48	
26 05 19 16-0095	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,887.17	
26 05 19 16-0096	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,058.28	
26 05 19 16-0097	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,728.31	
26 05 19 16-0098	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,956.34	
26 05 19 16-0099	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,996.73	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0100	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,197.59	
26 05 19 16-0101	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	23,758.66	
26 05 19 16-0102	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	28,002.14	
26 05 19 16-0103	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	32,976.21	
26 05 19 16-0104	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	51,730.29	
26 05 19 16-0105	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,032.61	
26 05 19 16-0106	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,231.46	
26 05 19 16-0107	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,461.57	
26 05 19 16-0108	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,799.10	
26 05 19 16-0109	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,284.83	
26 05 19 16-0110	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,005.97	
26 05 19 16-0111	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,035.08	
26 05 19 16-0112	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,724.17	
26 05 19 16-0113	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,355.30	
26 05 19 16-0114	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,034.08	
26 05 19 16-0115	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,965.49	
26 05 19 16-0116	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,070.35	
26 05 19 16-0117	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,105.70	
26 05 19 16-0118	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,192.21	
26 05 19 16-0119	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,362.84	
26 05 19 16-0120	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,570.06	
26 05 19 16-0121	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,491.23	
26 05 19 16-0122	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	23,481.38	
26 05 19 16-0123	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	870.91	
26 05 19 16-0124	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,077.42	
26 05 19 16-0125	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,324.26	
26 05 19 16-0126	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,839.66	
26 05 19 16-0127	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,474.51	
26 05 19 16-0128	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,235.90	
26 05 19 16-0129	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,586.94	
26 05 19 16-0130	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,435.61	
26 05 19 16-0131	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,321.18	
26 05 19 16-0132	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,152.33	
26 05 19 16-0133	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,429.90	
26 05 19 16-0134	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,000.06	
26 05 19 16-0135	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,693.23	
26 05 19 16-0136	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,454.51	
26 05 19 16-0137	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,342.58	
26 05 19 16-0138	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,166.70	
26 05 19 16-0139	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,278.23	
26 05 19 16-0140	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,289.75	
26 05 19 16-0141	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	37,853.89	
26 05 19 16-0142	MLF	#2 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,524.11	
26 05 19 16-0143	MLF	1/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,266.42	
26 05 19 16-0144	MLF	2/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,299.12	
26 05 19 16-0145	MLF	3/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,677.75	
26 05 19 16-0146	MLF	4/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,968.06	
26 05 19 16-0147	MLF	250 MCM,Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,988.63	
26 05 19 16-0148	MLF	350 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,763.78	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0149	MLF	400 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,465.70	
26 05 19 16-0150	MLF	500 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,379.99	
26 05 19 16-0151		**600 Volt, Armored Cable, Copper Conductors** *(26 05 19 16-0011)*		
26 05 19 16-0152		**ACTHH, Solid** *(26 05 19 16-0151)*		
26 05 19 16-0153	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	3,296.74	959.86
26 05 19 16-0154	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	3,796.10	1,087.84
26 05 19 16-0155	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	4,314.04	1,151.83
26 05 19 16-0156	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,823.17	1,599.77
26 05 19 16-0157	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,192.38	1,791.42
26 05 19 16-0158	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,483.36	1,984.83
26 05 19 16-0159	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,340.55	2,176.49
26 05 19 16-0160	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,786.52	1,791.42
26 05 19 16-0161	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,096.64	1,984.83
26 05 19 16-0162	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	7,700.92	2,240.63
26 05 19 16-0163	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	9,850.40	2,431.33
26 05 19 16-0164	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	6,851.60	1,984.83
26 05 19 16-0165	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	7,528.86	2,240.63
26 05 19 16-0166	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	9,466.64	2,495.80
26 05 19 16-0167	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	12,104.71	2,688.72
26 05 19 16-0168		**ACTHH, Stranded** *(26 05 19 16-0151)*		
26 05 19 16-0169	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,662.02	2,305.10
26 05 19 16-0170	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	10,505.36	2,622.50
26 05 19 16-0171	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	10,171.33	2,559.63
26 05 19 16-0172	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	12,655.38	2,877.34
26 05 19 16-0173	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	15,881.75	3,199.54
26 05 19 16-0174	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	18,210.21	3,515.97
26 05 19 16-0175	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	20,808.99	3,836.40
26 05 19 16-0176	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	13,059.42	3,070.59
26 05 19 16-0177	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	15,712.65	3,389.26
26 05 19 16-0178	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	20,019.04	3,711.77
26 05 19 16-0179	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	21,927.74	4,029.65
26 05 19 16-0180	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	25,887.09	4,347.21
26 05 19 16-0181		**HCFC, Solid** *(26 05 19 16-0151)*		
26 05 19 16-0182	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,340.59	1,599.77
26 05 19 16-0183	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,861.27	1,797.50
26 05 19 16-0184	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,541.18	1,975.07
26 05 19 16-0185	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,431.47	1,797.50
26 05 19 16-0186	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,914.29	1,975.07
26 05 19 16-0187	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	8,944.01	2,253.27
26 05 19 16-0188	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	7,832.14	1,975.07
26 05 19 16-0189	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	8,586.07	2,253.27
26 05 19 16-0190	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	11,563.28	2,499.64
26 05 19 16-0191		**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0151)*		
26 05 19 16-0192	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,890.53	1,599.77
26 05 19 16-0193	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,462.92	1,797.50
26 05 19 16-0194	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,558.18	1,975.07
26 05 19 16-0195	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,367.82	2,110.57
26 05 19 16-0196	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,400.82	2,237.43
26 05 19 16-0197	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,646.23	1,797.50
26 05 19 16-0198	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,368.08	1,975.07
26 05 19 16-0199	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,080.56	2,253.27
26 05 19 16-0200	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,479.03	2,431.33
26 05 19 16-0201	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,245.26	2,622.50
26 05 19 16-0202	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,134.87	2,816.55
26 05 19 16-0203	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	20,898.26	3,007.08
26 05 19 16-0204	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,541.55	1,975.07
26 05 19 16-0205	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,493.62	2,253.27
26 05 19 16-0206	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,287.57	2,499.64
26 05 19 16-0207	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,285.56	2,753.52
26 05 19 16-0208	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	18,666.37	2,946.13
26 05 19 16-0209	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	24,605.02	3,136.82
26 05 19 16-0210	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	31,761.99	3,325.92
26 05 19 16-0211		**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0151)*		
26 05 19 16-0212	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,851.08	1,599.77
26 05 19 16-0213	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,360.63	1,797.50
26 05 19 16-0214	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,467.71	1,975.07
26 05 19 16-0215	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,810.98	1,797.50
26 05 19 16-0216	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,277.20	1,975.07
26 05 19 16-0217	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	8,008.69	2,253.27
26 05 19 16-0218	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,324.77	1,975.07
26 05 19 16-0219	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	8,061.28	2,253.27
26 05 19 16-0220	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	11,287.57	2,499.64

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0221			**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0151)*		
			Note: Color coded red.		
26 05 19 16-0222	MLF		#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,791.26	1,215.82
26 05 19 16-0223	MLF		#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,448.67	1,407.80
26 05 19 16-0224	MLF		#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,713.09	1,599.77
26 05 19 16-0225	MLF		#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	7,687.64	1,791.74
26 05 19 16-0226	MLF		#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,460.22	1,407.80
26 05 19 16-0227	MLF		#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	6,435.84	1,599.77
26 05 19 16-0228	MLF		#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,020.55	1,791.74
26 05 19 16-0229	MLF		#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	9,108.54	1,983.71
26 05 19 16-0230			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0151)*		
			Note: Color coded red.		
26 05 19 16-0231	MLF		#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	6,075.63	1,599.77
26 05 19 16-0232	MLF		#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	7,489.16	1,791.74
26 05 19 16-0233	MLF		#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	9,851.02	1,983.71
26 05 19 16-0234	MLF		#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	11,386.37	2,175.69
26 05 19 16-0235	MLF		#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	7,600.48	1,791.74
26 05 19 16-0236	MLF		#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	9,240.86	1,983.71
26 05 19 16-0237			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0151)*		
			Note: Color coded red.		
26 05 19 16-0238	MLF		#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,169.32	1,215.82
26 05 19 16-0239	MLF		#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	8,238.98	1,791.74
26 05 19 16-0240	MLF		#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	6,332.92	1,407.80
26 05 19 16-0241	MLF		#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	7,462.91	1,599.77
26 05 19 16-0242	MLF		#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	10,309.95	1,983.71
26 05 19 16-0243	MLF		#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,422.30	1,663.76
26 05 19 16-0244	MLF		#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,131.29	1,919.72
26 05 19 16-0245			**Armored Cable Connectors** *(26 05 19 16-0151)*		
26 05 19 16-0246		EA	3/4" Armored Cable Connector	9.55	3.51
			For Work In Restricted Working Space, Add	*2.63*	
			For Elevated Installation >10' To 15', Add	*0.88*	
			For Elevated Installation >15' To 20', Add	*1.75*	
			For Elevated Installation >20' To 25', Add	*2.19*	
			For Elevated Installation >25' To 30', Add	*3.07*	
			For Elevated Installation >30' To 35', Add	*3.51*	
			For Elevated Installation >35' To 40', Add	*4.39*	
			For Elevated Installation >40', Add	*4.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 19 16-0247		EA	1" Armored Cable Connector	12.75	4.67
			For Work In Restricted Working Space, Add	*3.51*	
			For Elevated Installation >10' To 15', Add	*1.17*	
			For Elevated Installation >15' To 20', Add	*2.34*	
			For Elevated Installation >20' To 25', Add	*2.92*	
			For Elevated Installation >25' To 30', Add	*4.09*	
			For Elevated Installation >30' To 35', Add	*4.68*	
			For Elevated Installation >35' To 40', Add	*5.85*	
			For Elevated Installation >40', Add	*6.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 19 16-0248		EA	1-1/4" Armored Cable Connector	16.00	5.85
			For Work In Restricted Working Space, Add	*4.38*	
			For Elevated Installation >10' To 15', Add	*1.46*	
			For Elevated Installation >15' To 20', Add	*2.92*	
			For Elevated Installation >20' To 25', Add	*3.65*	
			For Elevated Installation >25' To 30', Add	*5.11*	
			For Elevated Installation >30' To 35', Add	*5.84*	
			For Elevated Installation >35' To 40', Add	*7.31*	
			For Elevated Installation >40', Add	*8.04*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 19 16-0249			**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0011)*		
26 05 19 16-0250	MLF		#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,140.03	234.29
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*39.47*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*92.09*	
26 05 19 16-0251	MLF		#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,291.29	259.43
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*40.23*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*93.87*	
26 05 19 16-0252	MLF		#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,560.82	324.32
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*58.74*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*137.05*	
26 05 19 16-0253	MLF		#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,105.30	515.93
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*96.56*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*225.31*	
26 05 19 16-0254	MLF		#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,835.61	619.12
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*162.26*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*378.61*	
26 05 19 16-0255	MLF		#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,828.88	718.79
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*245.48*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*572.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0256	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,365.43	822.70
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*282.12*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*658.28*	
26 05 19 16-0257	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,434.92	926.62
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*398.70*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*930.29*	
26 05 19 16-0258	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,660.61	1,032.00
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*538.70*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,256.98*	
26 05 19 16-0259	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,993.07	1,164.27
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*672.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,569.88*	
26 05 19 16-0260	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,584.39	1,291.14
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*845.73*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,973.37*	
26 05 19 16-0261	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,430.27	1,441.38
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,056.84*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,465.96*	
26 05 19 16-0262	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,869.18	1,602.59
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,206.91*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,816.12*	
26 05 19 16-0263	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,729.12	1,757.66
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,270.13*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,963.64*	
26 05 19 16-0264	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,101.04	1,932.17
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,560.15*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,640.35*	
26 05 19 16-0265	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,918.10	2,048.36
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,766.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,122.86*	
26 05 19 16-0266	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,016.88	2,289.37
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,015.99*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,703.97*	
26 05 19 16-0267	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,775.04	2,546.17
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,363.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,515.86*	
26 05 19 16-0268	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,546.10	2,649.06
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,841.91*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,631.11*	
26 05 19 16-0269	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	42,310.65	2,751.80
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*5,075.05*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*11,841.78*	
26 05 19 16-0270	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	52,959.58	2,940.35
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*6,584.70*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,364.29*	
26 05 19 16-0271	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,943.79	525.87
26 05 19 16-0272	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,394.95	584.62
26 05 19 16-0273	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,990.20	702.13
26 05 19 16-0274	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,538.61	818.17
26 05 19 16-0275	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,105.12	876.05
26 05 19 16-0276	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	664.61	292.31
26 05 19 16-0277	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	829.23	321.54
26 05 19 16-0278	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	864.24	234.44
26 05 19 16-0279	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,067.87	279.45
26 05 19 16-0280	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,309.94	351.50
26 05 19 16-0281	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,814.69	463.31
26 05 19 16-0282	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,433.24	559.48
26 05 19 16-0283	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,172.29	661.21
26 05 19 16-0284	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,776.13	748.46
26 05 19 16-0285	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,486.83	838.20
26 05 19 16-0286	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,309.00	945.92
26 05 19 16-0287	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,173.28	1,035.80
26 05 19 16-0288	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,978.77	1,144.68
26 05 19 16-0289	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,209.43	1,210.74
26 05 19 16-0290	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,725.71	1,362.16
26 05 19 16-0291	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,359.12	1,449.12
26 05 19 16-0292	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,057.41	1,641.18
26 05 19 16-0293	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,876.47	1,816.27
26 05 19 16-0294	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,634.61	1,865.97
26 05 19 16-0295	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	19,618.83	1,974.12
26 05 19 16-0296	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	24,143.59	2,323.14
26 05 19 16-0297	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	36,427.12	2,751.80
26 05 19 16-0298	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	43,565.75	3,322.40
26 05 19 16-0299	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,323.97	702.13
26 05 19 16-0300	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,710.24	818.17
26 05 19 16-0301	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,293.94	936.12
26 05 19 16-0302	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,513.10	1,051.88
26 05 19 16-0303	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,237.78	1,169.24
26 05 19 16-0304	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,871.23	1,285.00

26 05 19 16-0305 600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0011)*

26 05 19 16-0306	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,542.53	452.84
26 05 19 16-0307	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,822.32	526.56
26 05 19 16-0308	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,376.45	675.92
26 05 19 16-0309	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,892.57	754.79
26 05 19 16-0310	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,332.89	850.37
26 05 19 16-0311	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,772.64	938.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0312	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,419.91	1,059.23
26 05 19 16-0313	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,890.35	1,168.61
26 05 19 16-0314	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,615.23	1,284.69
26 05 19 16-0315	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,812.57	1,397.08
26 05 19 16-0316	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,148.45	1,509.43
26 05 19 16-0317	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,142.90	1,678.90
26 05 19 16-0318	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,972.89	1,848.31
26 05 19 16-0319	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,896.75	2,153.07
26 05 19 16-0320	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,266.57	2,360.36
26 05 19 16-0321	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,550.03	2,447.86
26 05 19 16-0322	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	16,997.31	2,969.40
26 05 19 16-0323	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,780.13	519.00
26 05 19 16-0324	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,002.33	584.62
26 05 19 16-0325	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,464.58	719.23
26 05 19 16-0326	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,108.97	881.60
26 05 19 16-0327	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,919.73	1,037.85
26 05 19 16-0328	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,514.51	1,169.68
26 05 19 16-0329	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,127.16	1,299.17
26 05 19 16-0330	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,877.98	1,417.41
26 05 19 16-0331	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,365.26	1,508.46
26 05 19 16-0332	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,201.79	1,613.99
26 05 19 16-0333	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,698.60	1,729.74
26 05 19 16-0334	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,117.89	1,868.59
26 05 19 16-0335	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,292.91	2,037.69
26 05 19 16-0336	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,580.41	2,338.48
26 05 19 16-0337	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,417.96	2,460.96
26 05 19 16-0338	MLF	700 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,873.64	2,594.55
26 05 19 16-0339	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,366.36	2,757.36
26 05 19 16-0340	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	22,274.91	3,864.34
26 05 19 16-0341	MLF	#6 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,823.61	584.62
26 05 19 16-0342	MLF	#4 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,263.04	719.09
26 05 19 16-0343	MLF	#2 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,807.00	882.78
26 05 19 16-0344	MLF	#1 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,438.47	1,032.00
26 05 19 16-0345	MLF	1/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,883.01	1,164.27
26 05 19 16-0346	MLF	2/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,365.79	1,291.14
26 05 19 16-0347	MLF	3/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,971.17	1,417.41
26 05 19 16-0348	MLF	4/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,384.99	1,508.46
26 05 19 16-0349	MLF	250 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,997.94	1,612.97
26 05 19 16-0350	MLF	300 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,019.44	1,731.94
26 05 19 16-0351	MLF	350 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,470.82	1,871.08
26 05 19 16-0352	MLF	400 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,227.48	2,033.02
26 05 19 16-0353	MLF	500 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,466.83	2,338.48
26 05 19 16-0354	MLF	600 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,584.08	2,454.38
26 05 19 16-0355	MLF	700 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,596.76	2,594.55
26 05 19 16-0356	MLF	750 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,107.08	2,749.03

26 05 19 16-0357 Non-Metallic Sheathed Cable *(26 05 19 16-0011)*

26 05 19 16-0358 Indoor Installation *(26 05 19 16-0357)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0359	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,950.36	1,110.64
26 05 19 16-0360	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,971.03	1,344.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0361	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,472.88	1,487.85
		For Installation In Wood Stud Wall (Includes Drilling), Add	*557.95*	
26 05 19 16-0362	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,022.45	1,262.77
26 05 19 16-0363	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,336.29	1,402.80
26 05 19 16-0364	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,839.03	1,566.78
		For Installation In Wood Stud Wall (Includes Drilling), Add	*587.54*	
26 05 19 16-0365	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,304.57	1,403.53
26 05 19 16-0366	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,193.06	1,637.23
26 05 19 16-0367	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,179.35	1,870.78
		For Installation In Wood Stud Wall (Includes Drilling), Add	*701.54*	
26 05 19 16-0368	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,214.60	1,680.78
26 05 19 16-0369	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	15,637.94	2,031.55
26 05 19 16-0370	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	16,106.16	1,914.63
26 05 19 16-0371	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	21,583.71	2,309.25
26 05 19 16-0372	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	50,815.57	2,543.10
26 05 19 16-0373	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	59,346.14	2,762.33

26 05 19 16-0374 Direct Burial Cable *(26 05 19 16-0357)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0375	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,172.71	
26 05 19 16-0376	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,081.68	
26 05 19 16-0377	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,989.46	
26 05 19 16-0378	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,927.43	
26 05 19 16-0379	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,243.92	
26 05 19 16-0380	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,835.11	
26 05 19 16-0381	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,069.46	
26 05 19 16-0382	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,655.71	
26 05 19 16-0383	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,518.96	
26 05 19 16-0384	MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	9,648.70	

26 05 19 16-0385 SEU Cable Copper, 3 Conductor *(26 05 19 16-0357)*

26 05 19 16-0386	MLF	12-12-12 Cable SEU Copper	4,113.98	1,408.28
26 05 19 16-0387	MLF	10-10-10 Cable SEU Copper	5,060.16	1,599.77
26 05 19 16-0388	MLF	8-8-8 Cable SEU Copper	6,174.13	1,791.42
26 05 19 16-0389	MLF	6-6-8 Cable SEU Copper	7,307.51	1,920.52
26 05 19 16-0390	MLF	6-6-6 Cable SEU Copper	7,811.27	1,984.83
26 05 19 16-0391	MLF	4-4-6 Cable SEU Copper	9,373.80	2,176.49
26 05 19 16-0392	MLF	4-4-4 Cable SEU Copper	10,036.55	2,240.63
26 05 19 16-0393	MLF	3-3-5 Cable SEU Copper	11,577.91	2,431.33
26 05 19 16-0394	MLF	3-3-3 Cable SEU Copper	12,283.89	2,559.63
26 05 19 16-0395	MLF	2-2-4 Cable SEU Copper	13,094.79	2,688.72
26 05 19 16-0396	MLF	2-2-2 Cable SEU Copper	13,964.95	2,816.55
26 05 19 16-0397	MLF	1-1-1 Cable SEU Copper	16,943.76	3,199.54
26 05 19 16-0398	MLF	1/0-1/0-1/0 Cable SEU Copper	20,031.04	3,587.00
26 05 19 16-0399	MLF	2/0-2/0-2/0 Cable SEU Copper	23,952.59	4,039.89
26 05 19 16-0400	MLF	3/0-3/0-3/0 Cable SEU Copper	28,596.77	4,493.75
26 05 19 16-0401	MLF	4/0-4/0-4/0 Cable SEU Copper	31,954.21	5,014.95

26 05 19 16-0402 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0357)*

26 05 19 16-0403	MLF	8-8-8 Cable SEU Aluminum	5,426.20	1,797.50
26 05 19 16-0404	MLF	6-6-6 Cable SEU Aluminum	6,136.42	1,975.07
26 05 19 16-0405	MLF	4-4-6 Cable SEU Aluminum	6,854.12	2,161.92
26 05 19 16-0406	MLF	4-4-4 Cable SEU Aluminum	7,170.06	2,253.27
26 05 19 16-0407	MLF	2-2-4 Cable SEU Aluminum	8,559.10	2,666.33
26 05 19 16-0408	MLF	2-2-2 Cable SEU Aluminum	9,069.99	2,806.63
26 05 19 16-0409	MLF	1-1-1 Cable SEU Aluminum	10,781.58	3,199.54
26 05 19 16-0410	MLF	1/0-1/0-2 Cable SEU Aluminum	11,400.38	3,367.99
26 05 19 16-0411	MLF	1/0-1/0-1/0 Cable SEU Aluminum	13,501.51	3,555.00
26 05 19 16-0412	MLF	2/0-2/0-1 Cable SEU Aluminum	12,875.91	3,809.05
26 05 19 16-0413	MLF	2/0-2/0-2/0 Cable SEU Aluminum	13,586.06	3,999.42
26 05 19 16-0414	MLF	3/0-3/0-1/0 Cable SEU Aluminum	14,688.81	4,187.87
26 05 19 16-0415	MLF	3/0-3/0-3/0 Cable SEU Aluminum	15,690.53	4,443.83
26 05 19 16-0416	MLF	4/0-4/0-2/0 Cable SEU Aluminum	16,639.63	4,804.10
26 05 19 16-0417	MLF	4/0-4/0-4/0 Cable SEU Aluminum	17,524.65	4,999.27

26 05 19 16-0418 SER Cable Copper, 4 Conductor *(26 05 19 16-0357)*

26 05 19 16-0419	MLF	6-6-6-6 Cable SER Copper	11,777.01	2,305.10
26 05 19 16-0420	MLF	4-4-4-6 Cable SER Copper	12,895.69	2,495.80
26 05 19 16-0421	MLF	3-3-3-5 Cable SER Copper	15,821.23	2,816.55
26 05 19 16-0422	MLF	2-2-2-4 Cable SER Copper	18,023.62	3,070.59
26 05 19 16-0423	MLF	1-1-1-3 Cable SER Copper	20,970.87	3,515.97
26 05 19 16-0424	MLF	1/0-1/0-1/0-2 Cable SER Copper	25,395.61	4,029.65
26 05 19 16-0425	MLF	2/0-2/0-2/0-1 Cable SER Copper	31,413.08	4,347.21
26 05 19 16-0426	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	36,192.04	4,862.50

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0427		SER Cable Aluminum, 4 Conductor *(26 05 19 16-0357)*			
26 05 19 16-0428	MLF	8-8-8-8 Cable SER Aluminum		6,343.96	2,151.52
26 05 19 16-0429	MLF	6-6-6-6 Cable SER Aluminum		6,869.01	2,305.10
26 05 19 16-0430	MLF	4-4-4-6 Cable SER Aluminum		7,589.97	2,495.80
26 05 19 16-0431	MLF	2-2-2-4 Cable SER Aluminum		9,475.20	3,070.59
26 05 19 16-0432	MLF	1-1-1-3 Cable SER Aluminum		11,195.89	3,515.97
26 05 19 16-0433	MLF	1/0-1/0-1/0-2 Cable SER Aluminum		12,715.65	4,029.65
26 05 19 16-0434	MLF	2/0-2/0-2/0-1 Cable SER Aluminum		14,038.24	4,347.21
26 05 19 16-0435	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum		15,880.84	4,862.50
26 05 19 16-0436	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum		17,912.91	5,418.25
26 05 19 16-0437		Control Tray Cable, Low Voltage *(26 05 19 16-0010)*			
		Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.			
26 05 19 16-0438	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable		1,410.07	709.00
		For Work In Restricted Working Space, Add		*354.50*	
26 05 19 16-0439	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable		1,615.50	793.10
		For Work In Restricted Working Space, Add		*396.55*	
26 05 19 16-0440	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable		1,675.33	793.04
		For Work In Restricted Working Space, Add		*396.55*	
26 05 19 16-0441	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable		2,098.34	994.70
		For Work In Restricted Working Space, Add		*497.35*	
26 05 19 16-0442	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable		2,623.89	1,212.14
		For Work In Restricted Working Space, Add		*606.07*	
26 05 19 16-0443	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable		2,972.05	1,332.94
		For Work In Restricted Working Space, Add		*666.47*	
26 05 19 16-0444	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable		3,503.16	1,514.54
		For Work In Restricted Working Space, Add		*757.28*	
26 05 19 16-0445	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable		4,401.43	1,851.20
		For Work In Restricted Working Space, Add		*925.60*	
26 05 19 16-0446	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable		4,986.60	2,019.57
		For Work In Restricted Working Space, Add		*1,009.79*	
26 05 19 16-0447	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable		5,766.18	2,082.71
		For Work In Restricted Working Space, Add		*1,041.35*	
26 05 19 16-0448	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable		7,093.69	2,601.85
		For Work In Restricted Working Space, Add		*1,300.93*	
26 05 19 16-0449	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable		8,472.37	3,040.76
		For Work In Restricted Working Space, Add		*1,520.38*	
26 05 19 16-0450	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable		1,529.30	746.86
		For Work In Restricted Working Space, Add		*373.13*	
26 05 19 16-0451	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable		1,758.49	834.84
		For Work In Restricted Working Space, Add		*417.42*	
26 05 19 16-0452	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable		2,043.73	961.11
		For Work In Restricted Working Space, Add		*480.56*	
26 05 19 16-0453	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable		2,295.73	1,047.05
		For Work In Restricted Working Space, Add		*523.53*	
26 05 19 16-0454	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable		2,881.14	1,275.93
		For Work In Restricted Working Space, Add		*637.97*	
26 05 19 16-0455	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable		3,276.60	1,403.09
		For Work In Restricted Working Space, Add		*701.54*	
26 05 19 16-0456	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable		3,880.74	1,594.26
		For Work In Restricted Working Space, Add		*797.13*	
26 05 19 16-0457	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable		4,892.68	1,948.53
		For Work In Restricted Working Space, Add		*974.27*	
26 05 19 16-0458	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable		5,568.60	2,125.68
		For Work In Restricted Working Space, Add		*1,062.84*	
26 05 19 16-0459	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable		6,522.64	2,192.33
		For Work In Restricted Working Space, Add		*1,096.16*	
26 05 19 16-0460	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable		8,011.01	2,738.65
		For Work In Restricted Working Space, Add		*1,369.33*	
26 05 19 16-0461	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable		9,590.21	3,200.80
		For Work In Restricted Working Space, Add		*1,600.40*	
26 05 19 16-0462	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable		1,646.02	779.59
		For Work In Restricted Working Space, Add		*389.80*	
26 05 19 16-0463	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable		1,944.21	876.93
		For Work In Restricted Working Space, Add		*438.47*	
26 05 19 16-0464	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable		2,268.77	1,002.33
		For Work In Restricted Working Space, Add		*501.17*	
26 05 19 16-0465	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable		2,533.35	1,079.51
		For Work In Restricted Working Space, Add		*539.75*	
26 05 19 16-0466	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable		3,327.15	1,323.29
		For Work In Restricted Working Space, Add		*661.64*	
26 05 19 16-0467	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable		3,809.60	1,461.55
		For Work In Restricted Working Space, Add		*730.92*	
26 05 19 16-0468	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable		4,608.33	1,631.09
		For Work In Restricted Working Space, Add		*815.55*	
26 05 19 16-0469	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable		5,504.50	1,948.24
		For Work In Restricted Working Space, Add		*974.27*	
26 05 19 16-0470	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable		8,884.36	2,263.94
		For Work In Restricted Working Space, Add		*1,131.68*	
26 05 19 16-0471	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable		8,137.72	2,646.87
		For Work In Restricted Working Space, Add		*1,323.73*	
26 05 19 16-0472	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable		9,410.37	2,957.89
		For Work In Restricted Working Space, Add		*1,478.94*	
26 05 19 16-0473	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable		11,293.64	3,456.86
		For Work In Restricted Working Space, Add		*1,728.43*	
26 05 19 16-0474	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable		1,887.65	834.84
		For Work In Restricted Working Space, Add		*417.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0475	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	2,225.61	923.70
		For Work In Restricted Working Space, Add	*461.70*	
26 05 19 16-0476	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,682.33	1,062.84
		For Work In Restricted Working Space, Add	*531.42*	
26 05 19 16-0477	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	3,007.07	1,131.24
		For Work In Restricted Working Space, Add	*565.62*	
26 05 19 16-0478	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	3,906.58	1,348.72
		For Work In Restricted Working Space, Add	*674.36*	
26 05 19 16-0479	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	4,791.67	1,594.26
		For Work In Restricted Working Space, Add	*797.13*	
26 05 19 16-0480	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	5,771.22	1,798.58
		For Work In Restricted Working Space, Add	*899.29*	
26 05 19 16-0481	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	6,838.03	2,063.42
		For Work In Restricted Working Space, Add	*1,031.71*	
26 05 19 16-0482	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	8,044.73	2,338.77
		For Work In Restricted Working Space, Add	*1,169.39*	
26 05 19 16-0483	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	10,197.99	2,733.39
		For Work In Restricted Working Space, Add	*1,366.70*	
26 05 19 16-0484	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	11,821.24	3,194.66
		For Work In Restricted Working Space, Add	*1,597.33*	
26 05 19 16-0485	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	14,244.99	3,733.97
		For Work In Restricted Working Space, Add	*1,866.98*	
26 05 19 16-0486	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	2,202.53	876.93
		For Work In Restricted Working Space, Add	*438.47*	
26 05 19 16-0487	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,696.34	961.70
		For Work In Restricted Working Space, Add	*480.56*	
26 05 19 16-0488	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	3,254.51	1,096.16
		For Work In Restricted Working Space, Add	*548.08*	
26 05 19 16-0489	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,749.34	1,189.12
		For Work In Restricted Working Space, Add	*594.56*	
26 05 19 16-0490	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	5,030.01	1,492.54
		For Work In Restricted Working Space, Add	*746.27*	
26 05 19 16-0491	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	5,924.94	1,670.55
		For Work In Restricted Working Space, Add	*835.28*	
26 05 19 16-0492	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	6,904.88	1,948.53
		For Work In Restricted Working Space, Add	*974.27*	
26 05 19 16-0493	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	8,132.50	2,228.28
		For Work In Restricted Working Space, Add	*1,114.14*	
26 05 19 16-0494	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	9,600.08	2,525.56
		For Work In Restricted Working Space, Add	*1,262.78*	
26 05 19 16-0495	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	12,254.62	2,951.75
		For Work In Restricted Working Space, Add	*1,475.87*	
26 05 19 16-0496	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	14,195.60	3,449.85
		For Work In Restricted Working Space, Add	*1,724.92*	
26 05 19 16-0497	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	17,149.89	4,033.00
		For Work In Restricted Working Space, Add	*2,016.50*	

26 05 19 16-0498 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0010)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0499 ACSR Cable *(26 05 19 16-0498)*

26 05 19 16-0500	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,166.64	696.22
26 05 19 16-0501	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,310.90	722.91
26 05 19 16-0502	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,512.85	750.75
26 05 19 16-0503	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,657.60	777.93
26 05 19 16-0504	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,994.12	804.31
26 05 19 16-0505	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,502.27	911.77
26 05 19 16-0506	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,071.14	1,016.81
26 05 19 16-0507	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,707.32	1,123.30
26 05 19 16-0508	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	5,445.22	1,443.58
26 05 19 16-0509	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	6,186.32	1,655.92

26 05 19 16-0510 All Aluminum Conductors *(26 05 19 16-0498)*

26 05 19 16-0511	MLF	795.0 ACSR Conductor Aluminum	42,808.27	13,427.72

26 05 19 16-0512 Single Conductor Installed On Poles *(26 05 19 16-0010)*

26 05 19 16-0513 Bare Stranded Conductor *(26 05 19 16-0512)*

26 05 19 16-0514	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,679.97	589.88
26 05 19 16-0515	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,939.37	642.97
26 05 19 16-0516	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,200.45	696.69
26 05 19 16-0517	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,633.98	750.75
26 05 19 16-0518	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,137.90	804.96
26 05 19 16-0519	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,381.49	965.49
26 05 19 16-0520	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,012.70	1,072.47
26 05 19 16-0521	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,692.52	1,177.51
26 05 19 16-0522	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	7,524.59	1,396.61
26 05 19 16-0523	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	9,077.51	1,605.73
26 05 19 16-0524	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	9,801.05	1,819.84
26 05 19 16-0525	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	12,310.79	2,144.78
26 05 19 16-0526	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	12,631.39	2,257.71
26 05 19 16-0527	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	15,497.32	2,364.36
26 05 19 16-0528	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	17,034.91	2,461.36
26 05 19 16-0529	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	19,677.27	2,566.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0530		**Insulated Stranded Conductor** *(26 05 19 16-0512)*		
26 05 19 16-0531	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,787.57	589.88
26 05 19 16-0532	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,078.21	642.97
26 05 19 16-0533	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,474.53	696.69
26 05 19 16-0534	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,685.86	750.75
26 05 19 16-0535	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,217.05	804.96
26 05 19 16-0536	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,267.18	965.49
26 05 19 16-0537	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,001.29	1,072.47
26 05 19 16-0538	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,851.68	1,177.51
26 05 19 16-0539	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,035.82	1,396.61
26 05 19 16-0540	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,396.22	1,605.73
26 05 19 16-0541	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,854.20	1,819.84
26 05 19 16-0542	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,985.60	2,144.78
26 05 19 16-0543	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,492.16	2,257.71
26 05 19 16-0544	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	14,729.48	2,364.36
26 05 19 16-0545	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	16,398.27	2,461.36
26 05 19 16-0546	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	18,323.16	2,566.40
26 05 19 16-0547		**Bare Solid Conductor** *(26 05 19 16-0512)*		
26 05 19 16-0548	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,679.97	589.88
26 05 19 16-0549	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,200.45	696.69
26 05 19 16-0550	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,633.98	750.75
26 05 19 16-0551	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	3,105.19	804.96
26 05 19 16-0552		**Multi-Conductor Cords, Cables And Associated Equipment** *(26 05 19 16-0010)*		
26 05 19 16-0553		**Multi-Conductor Cords** *(26 05 19 16-0552)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0554		**Multi-Conductor Type SOOW And SJOOW Cord** *(26 05 19 16-0553)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0555		**300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0554)*		
26 05 19 16-0556		**#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0555)*		
26 05 19 16-0557	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.36	0.64
26 05 19 16-0558	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.40	0.64
26 05 19 16-0559	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.50	0.64
26 05 19 16-0560		**#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0555)*		
26 05 19 16-0561	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.59	0.64
26 05 19 16-0562	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.65	0.64
26 05 19 16-0563	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.73	0.64
26 05 19 16-0564		**#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0555)*		
26 05 19 16-0565	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.70	0.64
26 05 19 16-0566	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.80	0.64
26 05 19 16-0567	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.98	0.64
26 05 19 16-0568		**#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0555)*		
26 05 19 16-0569	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.86	0.64
26 05 19 16-0570	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.97	0.64
26 05 19 16-0571	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.13	0.64
26 05 19 16-0572		**#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0555)*		
26 05 19 16-0573	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.27	0.80
26 05 19 16-0574	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.35	0.80
26 05 19 16-0575	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.47	0.80
26 05 19 16-0576		**600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0554)*		
26 05 19 16-0577		**#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0576)*		
26 05 19 16-0578	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.40	0.64
26 05 19 16-0579	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.47	0.64
26 05 19 16-0580	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.56	0.64
26 05 19 16-0581	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.43	0.86
26 05 19 16-0582	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.60	0.89
26 05 19 16-0583	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.74	0.91
26 05 19 16-0584	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.95	0.93
26 05 19 16-0585	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.31	0.98
26 05 19 16-0586	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.68	1.01

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 19 16-0587	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.60	1.03
	26 05 19 16-0588	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.69	1.05
	26 05 19 16-0589	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.81	1.08
	26 05 19 16-0590	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.27	1.10
	26 05 19 16-0591	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.42	1.12
	26 05 19 16-0592	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.71	1.20
	26 05 19 16-0593		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0576)*		
	26 05 19 16-0594	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.65	0.64
	26 05 19 16-0595	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.71	0.64
	26 05 19 16-0596	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.82	0.64
	26 05 19 16-0597	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.50	0.86
	26 05 19 16-0598	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.70	0.89
	26 05 19 16-0599	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.90	0.91
	26 05 19 16-0600	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.15	0.93
	26 05 19 16-0601	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.27	0.96
	26 05 19 16-0602	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.56	0.98
	26 05 19 16-0603	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.04	1.01
	26 05 19 16-0604	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.29	1.03
	26 05 19 16-0605	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.75	1.05
	26 05 19 16-0606	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.37	1.08
	26 05 19 16-0607	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.93	1.10
	26 05 19 16-0608	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.99	1.12
	26 05 19 16-0609	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.60	1.15
	26 05 19 16-0610	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.73	1.20
	26 05 19 16-0611		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0576)*		
	26 05 19 16-0612	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.81	0.64
	26 05 19 16-0613	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.88	0.64
	26 05 19 16-0614	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.05	0.64
	26 05 19 16-0615	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.03	0.86
	26 05 19 16-0616	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.50	0.89
	26 05 19 16-0617	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.68	0.91
	26 05 19 16-0618	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.06	0.93
	26 05 19 16-0619	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.33	0.96
	26 05 19 16-0620	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.76	0.98
	26 05 19 16-0621	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.17	1.01
	26 05 19 16-0622	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.64	1.03
	26 05 19 16-0623	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.62	1.05
	26 05 19 16-0624	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.36	1.10
	26 05 19 16-0625	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.53	1.12
	26 05 19 16-0626	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.97	1.20
	26 05 19 16-0627		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0576)*		
	26 05 19 16-0628	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.98	0.64
	26 05 19 16-0629	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.11	0.64
	26 05 19 16-0630	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.23	0.64
	26 05 19 16-0631	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.36	0.86
	26 05 19 16-0632	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.80	0.89
	26 05 19 16-0633	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.25	0.91
	26 05 19 16-0634	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.73	0.93
	26 05 19 16-0635	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.08	0.96
	26 05 19 16-0636	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.67	0.98
	26 05 19 16-0637	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.36	1.01
	26 05 19 16-0638	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.00	1.03
	26 05 19 16-0639	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.64	1.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0640	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.96	1.08
26 05 19 16-0641	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.06	1.10
26 05 19 16-0642	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.18	1.12
26 05 19 16-0643	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.30	1.15
26 05 19 16-0644	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.67	1.17
26 05 19 16-0645	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.08	1.20
26 05 19 16-0646		**#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0576)*		
26 05 19 16-0647	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.24	0.80
26 05 19 16-0648	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.35	0.80
26 05 19 16-0649	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.46	0.80
26 05 19 16-0650	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.01	0.86
26 05 19 16-0651	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.48	0.89
26 05 19 16-0652	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.15	0.91
26 05 19 16-0653	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.48	0.98
26 05 19 16-0654	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.32	1.01
26 05 19 16-0655	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.14	1.05
26 05 19 16-0656	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.93	1.10
26 05 19 16-0657		**#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0576)*		
26 05 19 16-0658	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.06	0.96
26 05 19 16-0659	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.36	1.12
26 05 19 16-0660	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.62	1.12
26 05 19 16-0661		**#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0576)*		
26 05 19 16-0662	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.47	1.12
26 05 19 16-0663	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.56	1.28
26 05 19 16-0664	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.86	1.60
26 05 19 16-0665		**#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0576)*		
26 05 19 16-0666	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.49	1.60
26 05 19 16-0667	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.25	1.76
26 05 19 16-0668	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.00	1.91
26 05 19 16-0669		**#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0576)*		
26 05 19 16-0670	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.58	3.20
26 05 19 16-0671	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	17.21	4.00
26 05 19 16-0672	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	21.34	5.28
26 05 19 16-0673		**300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0554)*		
26 05 19 16-0674		**#18, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0673)*		
26 05 19 16-0675	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.74	0.64
26 05 19 16-0676	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.84	0.64
26 05 19 16-0677	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.04	0.64
26 05 19 16-0678		**#16, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0673)*		
26 05 19 16-0679	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.80	0.64
26 05 19 16-0680	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.97	0.64
26 05 19 16-0681	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.05	0.64
26 05 19 16-0682		**#14, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0673)*		
26 05 19 16-0683	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.22	0.64
26 05 19 16-0684	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.91	0.64
26 05 19 16-0685	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.59	0.80

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0686		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0554)*		
26 05 19 16-0687		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0686)*		
26 05 19 16-0688	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.17	0.64
26 05 19 16-0689	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.46	0.64
26 05 19 16-0690	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.76	0.64
26 05 19 16-0691		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0686)*		
26 05 19 16-0692	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.27	0.64
26 05 19 16-0693	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.57	0.64
26 05 19 16-0694	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.03	0.64
26 05 19 16-0695	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.29	0.80
26 05 19 16-0696		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0686)*		
26 05 19 16-0697	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.64	0.64
26 05 19 16-0698	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.02	0.64
26 05 19 16-0699	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.35	0.80
26 05 19 16-0700		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0686)*		
26 05 19 16-0701	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.99	0.64
26 05 19 16-0702	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.33	0.64
26 05 19 16-0703	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.70	0.80
26 05 19 16-0704		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0686)*		
26 05 19 16-0705	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.80
26 05 19 16-0706	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.69	0.80
26 05 19 16-0707	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.03	0.80
26 05 19 16-0708		Multi-Conductor Type SEOW Cord *(26 05 19 16-0553)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0709		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0708)*		
26 05 19 16-0710		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0709)*		
26 05 19 16-0711	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.81	0.64
26 05 19 16-0712	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.93	0.64
26 05 19 16-0713	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.63	0.80
26 05 19 16-0714		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0709)*		
26 05 19 16-0715	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.16	0.64
26 05 19 16-0716	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.38	0.64
26 05 19 16-0717	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.18	0.80
26 05 19 16-0718		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0709)*		
26 05 19 16-0719	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.52	0.64
26 05 19 16-0720	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.81	0.64
26 05 19 16-0721	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.41	0.80
26 05 19 16-0722		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0709)*		
26 05 19 16-0723	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.07	0.80
26 05 19 16-0724	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.41	0.80
26 05 19 16-0725	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.64	0.80
26 05 19 16-0726		Multi-Conductor Type W Cord *(26 05 19 16-0553)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0727		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0726)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0728		**#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0727)*		
26 05 19 16-0729	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.35	0.96
26 05 19 16-0730	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.63	1.12
26 05 19 16-0731	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.35	1.12
26 05 19 16-0732		**#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0727)*		
26 05 19 16-0733	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.70	1.12
26 05 19 16-0734	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.57	1.28
26 05 19 16-0735	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.86	1.60
26 05 19 16-0736		**#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0727)*		
26 05 19 16-0737	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.96	1.12
26 05 19 16-0738	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.03	1.28
26 05 19 16-0739	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.90	1.60
26 05 19 16-0740		**Cord Grips, Cable Reels, Extension Cords, And Accessories** *(26 05 19 16-0552)*		
26 05 19 16-0741		**Cord Grips** *(26 05 19 16-0740)*		
26 05 19 16-0742	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	100.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	
26 05 19 16-0743	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	101.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	
26 05 19 16-0744		**Cable Reels** *(26 05 19 16-0740)*		
		Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0745	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	708.94	79.99
26 05 19 16-0746	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,888.45	79.99
26 05 19 16-0747	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,422.20	79.99
26 05 19 16-0748		**Extension Cords For Cable Reel** *(26 05 19 16-0740)*		
26 05 19 16-0749	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	222.28	
26 05 19 16-0750	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	312.37	
26 05 19 16-0751		**Plugs And Connector Bodies** *(26 05 19 16-0740)*		
		Note: Up to 277 volt		
26 05 19 16-0752		**NEMA Twist-Lock Plugs** *(26 05 19 16-0751)*		
26 05 19 16-0753	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	100.04	
26 05 19 16-0754	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	101.59	
26 05 19 16-0755	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	95.09	
26 05 19 16-0756	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	99.85	
26 05 19 16-0757	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	122.15	
26 05 19 16-0758	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	128.20	
26 05 19 16-0759	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	134.11	
26 05 19 16-0760	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	123.05	
26 05 19 16-0761	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	137.58	
26 05 19 16-0762	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	140.41	
26 05 19 16-0763	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	144.01	
26 05 19 16-0764		**NEMA Twist-Lock Connector Bodies** *(26 05 19 16-0751)*		
26 05 19 16-0765	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	104.41	
26 05 19 16-0766	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	109.88	
26 05 19 16-0767	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	98.37	
26 05 19 16-0768	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	123.05	
26 05 19 16-0769	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	138.99	
26 05 19 16-0770	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	146.71	
26 05 19 16-0771	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	172.67	
26 05 19 16-0772	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	166.12	
26 05 19 16-0773	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	198.64	
26 05 19 16-0774	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	207.25	
26 05 19 16-0775	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	197.87	
26 05 19 16-0776		**Watertight Pin And Sleeve Plug** *(26 05 19 16-0751)*		
26 05 19 16-0777	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	305.17	47.99
26 05 19 16-0778	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	308.20	47.99
26 05 19 16-0779	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	331.76	47.99
26 05 19 16-0780	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	334.27	52.79
26 05 19 16-0781	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	329.70	52.79
26 05 19 16-0782	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	331.06	52.79
26 05 19 16-0783	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	459.65	59.03
26 05 19 16-0784	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	448.27	59.03
26 05 19 16-0785	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	497.15	59.03
26 05 19 16-0786	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	491.26	64.79
26 05 19 16-0787	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	471.50	64.79
26 05 19 16-0788	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	485.09	64.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0789	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	623.11	76.79
26 05 19 16-0790	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	633.95	76.79
26 05 19 16-0791	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	608.25	76.79
26 05 19 16-0792	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	691.86	85.42
26 05 19 16-0793	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	675.00	85.42
26 05 19 16-0794	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	682.29	85.42
26 05 19 16-0795	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	851.22	95.98
26 05 19 16-0796	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	893.08	95.98
26 05 19 16-0797	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	875.69	105.59
26 05 19 16-0798	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	861.39	105.59
26 05 19 16-0799	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	869.11	105.59

26 05 19 16-0800 Watertight Pin And Sleeve Connector *(26 05 19 16-0751)*

26 05 19 16-0801	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	322.62	47.99
26 05 19 16-0802	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	324.72	47.99
26 05 19 16-0803	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	378.97	47.99
26 05 19 16-0804	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	378.23	52.79
26 05 19 16-0805	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	372.72	52.79
26 05 19 16-0806	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	377.70	52.79
26 05 19 16-0807	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	470.07	59.03
26 05 19 16-0808	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	469.96	59.03
26 05 19 16-0809	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	488.67	59.03
26 05 19 16-0810	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	486.18	64.79
26 05 19 16-0811	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	490.04	64.79
26 05 19 16-0812	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	485.97	64.79
26 05 19 16-0813	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	730.04	76.79
26 05 19 16-0814	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	707.13	76.79
26 05 19 16-0815	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	693.47	76.79
26 05 19 16-0816	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	755.51	85.42
26 05 19 16-0817	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	775.43	85.42
26 05 19 16-0818	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	776.89	85.42
26 05 19 16-0819	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	968.51	95.98
26 05 19 16-0820	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	994.79	95.98
26 05 19 16-0821	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,075.73	105.59
26 05 19 16-0822	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	1,039.63	105.59
26 05 19 16-0823	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,051.94	105.59

26 05 19 16-0824 Accessories *(26 05 19 16-0740)*

26 05 19 16-0825	EA	1/2" Straight Steel Cord Connector	71.41	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0826	EA	1/2" Straight Nylon Cord Connector	43.71	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 19 16-0827	EA	1/2" 90 Degree Steel Cord Connector	82.35	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 19 16-0828	EA	1/2" 90 Degree Nylon Cord Connector	53.17	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0829	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	81.38	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 19 16-0830	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	136.95	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 05 19 16-0831	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	52.42	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0832	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	85.95	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 19 16-0833	EA	3/4" Straight Steel Cord Connector	74.18	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0834	EA	3/4" Straight Nylon Cord Connector	45.09	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 19 16-0835	EA	3/4" 90 Degree Steel Cord Connector	91.02	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 19 16-0836	EA	3/4" 90 Degree Nylon Cord Connector	57.51	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0837	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	92.29	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 05 19 16-0838	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	109.58	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 05 19 16-0839	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	63.34	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 19 16-0840	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	76.45	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 05 19 16-0841	EA	1" Straight Steel Cord Connector	91.98	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0842	EA	1" Straight Nylon Cord Connector	53.99	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 19 16-0843	EA	1" 90 Degree Steel Cord Connector	102.78	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 19 16-0844	EA	1" 90 Degree Nylon Cord Connector	63.39	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 19 16-0845	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	110.98	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 05 19 16-0846	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	121.92	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 05 19 16-0847	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	72.82	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0848	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	84.47	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	578.63	186.35
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	647.27	196.29
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	697.25	207.54
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	807.62	216.31
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	843.90	226.54
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	920.17	235.97
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	987.68	245.40
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	1,063.16	255.19
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	1,134.26	262.85
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	615.32	186.35
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	712.73	196.29
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	801.11	207.54
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	850.49	216.31
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	930.02	226.54
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	959.71	235.97
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	1,048.02	245.40
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,207.95	255.19
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,312.84	262.85

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	764.21	306.54
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	983.44	306.54
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	1,203.91	369.24
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,603.26	369.24
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	2,106.75	445.88
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,232.33	445.88
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	3,719.75	536.45
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	4,356.03	536.45
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	6,030.55	675.78
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	7,398.17	675.78
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	7,896.14	898.72
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	10,058.91	898.72
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	10,123.45	1,038.06
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	13,513.46	1,038.06
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	18,363.47	1,281.89

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,344.12	418.01
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,455.76	418.01
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,843.99	418.01
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	2,115.67	724.55
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,818.65	724.55
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	3,926.53	724.55
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	4,717.84	1,267.97
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	5,728.09	1,267.97
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	6,670.67	1,267.97
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	7,892.61	1,267.97
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	9,262.75	1,658.11
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	11,130.66	1,658.11
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	12,915.45	1,658.11
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	15,233.87	2,577.73
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	19,748.16	2,577.73

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	764.21	306.54
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	983.44	306.54
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	1,203.91	369.24
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,603.26	369.24
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	2,106.75	445.88
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	3,232.33	445.88
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	4,356.03	536.45
26 05 26 00-0043	MLF	2/0 AWG Copper Bare Single Solid Conductor	5,486.75	675.78
26 05 26 00-0044	MLF	3/0 AWG Copper Bare Single Solid Conductor	6,617.08	675.78
26 05 26 00-0045	MLF	4/0 AWG Copper Bare Single Solid Conductor	7,896.14	710.62

26 05 26 00-0046 Copper Smooth Woven Conductors *(26 05 26 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0047	LF	29 Strand x 17 AWG Smooth Weave Copper Conductor	4.88	1.02
26 05 26 00-0048	LF	32 Strand x 17 AWG Smooth Weave Copper Conductor	5.19	1.09
26 05 26 00-0049	LF	36 Strand x 17 AWG Smooth Weave Copper Conductor	6.35	1.31
26 05 26 00-0050	LF	40 Strand x 17 AWG Smooth Weave Copper Conductor	6.74	1.34
26 05 26 00-0051	LF	24 Strand x 14 AWG Smooth Weave Copper Conductor	8.27	1.53
26 05 26 00-0052	LF	29 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	5.34	1.02
26 05 26 00-0053	LF	32 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	5.80	1.09
26 05 26 00-0054	LF	40 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	6.88	1.34

26 05 26 00-0055 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0056	MLF	8 AWG Aluminum Bare Single Stranded Conductor	1,019.61	369.24
26 05 26 00-0057	MLF	6 AWG Aluminum Bare Single Stranded Conductor	1,131.85	369.24
26 05 26 00-0058	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,306.63	445.88
26 05 26 00-0059	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,667.44	445.88
26 05 26 00-0060	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,959.76	536.45
26 05 26 00-0061	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	2,245.30	536.45
26 05 26 00-0062	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,573.47	675.78
26 05 26 00-0063	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,982.23	675.78
26 05 26 00-0064	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,541.07	898.72
26 05 26 00-0065	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,996.46	898.72
26 05 26 00-0066	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,836.81	1,038.06
26 05 26 00-0067	MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,545.86	1,038.06
26 05 26 00-0068	MLF	500 MCM Aluminum Bare Single Stranded Conductor	6,507.79	1,281.89

26 05 26 00-0069 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0070	MLF	8 AWG Aluminum Bare Single Solid Conductor	1,019.61	369.24
26 05 26 00-0071	MLF	6 AWG Aluminum Bare Single Solid Conductor	1,131.85	369.24
26 05 26 00-0072	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,306.63	445.88
26 05 26 00-0073	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,667.44	445.88
26 05 26 00-0074	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,903.53	710.62
26 05 26 00-0075	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	2,245.30	710.62
26 05 26 00-0076	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,434.17	675.78
26 05 26 00-0077	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,701.74	675.78
26 05 26 00-0078	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,541.07	898.72
26 05 26 00-0079	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,996.46	898.72
26 05 26 00-0080	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,836.81	1,038.06
26 05 26 00-0081	MLF	350 MCM Aluminum Bare Single Solid Conductor	5,545.86	1,038.06
26 05 26 00-0082	MLF	500 MCM Aluminum Bare Single Solid Conductor	6,507.79	1,281.89

26 05 26 00-0083 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0084	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.61	1.10
26 05 26 00-0085	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.99	1.21
26 05 26 00-0086	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.71	1.39
26 05 26 00-0087	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.75	1.42
26 05 26 00-0088	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.98	1.48

26 05 26 00-0089 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0090	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	164.52	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 05 26 00-0091	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	275.61	47.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 05 26 00-0092	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	347.52	47.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 05 26 00-0093	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	418.46	47.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 05 26 00-0094	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	369.23	51.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 05 26 00-0095	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	472.69	51.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 05 26 00-0096	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	562.59	51.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 05 26 00-0097	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	475.87	65.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.59*	
26 05 26 00-0098	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	572.51	79.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	

26 05 26 00-0099 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0100	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	231.15	87.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	
26 05 26 00-0101	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	284.74	87.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.53*	
26 05 26 00-0102	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	405.95	135.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.72*	
26 05 26 00-0103	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	588.11	135.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.88*	

26 05 26 00-0104 Ground Rods *(26 05 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0105		**Copper-Clad Ground Rods** *(26 05 26 00-0104)*		
26 05 26 00-0106	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	127.09	119.98
26 05 26 00-0107	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	131.22	119.98
26 05 26 00-0108	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	147.89	119.98
26 05 26 00-0109	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	148.88	119.98
26 05 26 00-0110	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	154.05	119.98
26 05 26 00-0111	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	174.88	119.98
26 05 26 00-0112		**Ground Access Wells** *(26 05 26 00-0104)*		
26 05 26 00-0113		**Precast Ground Access Wells** *(26 05 26 00-0112)*		
26 05 26 00-0114	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	324.64	
26 05 26 00-0115	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	338.36	
26 05 26 00-0116	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	927.07	
26 05 26 00-0117	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	940.78	
26 05 26 00-0118		**Polyvinyl Chloride (PVC) Ground Access Well** *(26 05 26 00-0112)*		
26 05 26 00-0119	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	602.34	
26 05 26 00-0120	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	729.98	
26 05 26 00-0121	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,581.65	
26 05 26 00-0122	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	461.55	
26 05 26 00-0123	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	554.88	
26 05 26 00-0124	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,417.21	
26 05 26 00-0125	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	272.50	
26 05 26 00-0126	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	369.27	
26 05 26 00-0127	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	436.58	
26 05 26 00-0128	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	225.18	
26 05 26 00-0129	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	342.06	
26 05 26 00-0130	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	504.84	
26 05 26 00-0131	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	689.15	
26 05 26 00-0132	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	484.73	
26 05 26 00-0133	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	521.15	
26 05 26 00-0134	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	909.93	
26 05 26 00-0135	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,148.17	
26 05 26 00-0136	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	514.79	
26 05 26 00-0137	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	695.67	
26 05 26 00-0138	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	688.45	
26 05 26 00-0139		**Polymer Concrete Ground Access Well** *(26 05 26 00-0112)*		
26 05 26 00-0140	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	588.78	
26 05 26 00-0141	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	644.23	
26 05 26 00-0142	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	647.65	
26 05 26 00-0143	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	708.58	
26 05 26 00-0144	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	708.72	
26 05 26 00-0145	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	775.67	
26 05 26 00-0146	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	939.25	
26 05 26 00-0147	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	1,030.29	
26 05 26 00-0148		**High-Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0112)*		
26 05 26 00-0149	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	223.97	
26 05 26 00-0150	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	309.72	
26 05 26 00-0151		**Clay Tile Ground Access Wells** *(26 05 26 00-0112)*		
26 05 26 00-0152	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	352.14	
26 05 26 00-0153	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	368.90	
26 05 26 00-0154	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	108.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0155		Ground Rod Clamps And Fittings *(26 05 26)*		
26 05 26 00-0156		Bronze Ground Rod Clamp *(26 05 26 00-0155)*		
26 05 26 00-0157	EA	1/2" Bronze Ground Rod Clamp	29.84	18.08
26 05 26 00-0158	EA	5/8" Bronze Ground Rod Clamp	30.88	18.08
26 05 26 00-0159	EA	3/4" Bronze Ground Rod Clamp	32.37	18.08
26 05 26 00-0160		Bronze Pipe Clamps *(26 05 26 00-0155)*		
26 05 26 00-0161	EA	1/2" To 1" Diameter, Bronze Pipe Ground Clamps	41.79	30.08
26 05 26 00-0162	EA	1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	51.99	35.99
26 05 26 00-0163	EA	2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	71.01	42.08
26 05 26 00-0164	EA	2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	88.29	54.08
26 05 26 00-0165	EA	4" To 6" Diameter, Bronze Ground Clamps For Pipe	132.60	78.07
26 05 26 00-0166		Grounding Fittings *(26 05 26 00-0155)*		
26 05 26 00-0167		Embedded Fittings *(26 05 26 00-0166)*		
26 05 26 00-0168	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	200.46	
26 05 26 00-0169	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	209.89	
26 05 26 00-0170	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	226.63	
26 05 26 00-0171	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	208.17	
26 05 26 00-0172	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	249.53	
26 05 26 00-0173	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	292.25	
26 05 26 00-0174	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	328.34	
26 05 26 00-0175		Ground Rod Receptacle *(26 05 26 00-0166)*		
26 05 26 00-0176	EA	1/2" Ground Rod Receptacle	429.06	166.38
26 05 26 00-0177	EA	5/8" Ground Rod Receptacle	446.59	171.06
26 05 26 00-0178	EA	3/4" Ground Rod Receptacle	464.62	175.72
26 05 26 00-0179		Ground Kits For Circuit Breaker Panels *(26 05 26 00-0166)*		
26 05 26 00-0180	EA	14-8 AWG Copper Ground Kit	97.76	39.99
26 05 26 00-0181	EA	12-8 AWG Aluminum Ground Kit	88.63	39.99
26 05 26 00-0182	EA	14-4 AWG Copper Ground Kit	105.69	39.99
26 05 26 00-0183	EA	12-4 AWG Aluminum Ground Kit	94.68	39.99
26 05 26 00-0184		Insulated Grounding Bars *(26 05 26 00-0155)*		
26 05 26 00-0185	EA	1/2" x 4" x 10" Insulated Ground Bar	379.50	40.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 05 26 00-0186	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	394.82	40.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 05 26 00-0187		Ground Conductor Bonding *(26 05 26)*		
26 05 26 00-0188		Ground Conductor Bonding *(26 05 26 00-0187)*		
26 05 26 00-0189		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld *(26 05 26 00-0188)*		
26 05 26 00-0190	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	180.44	
26 05 26 00-0191	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	196.44	
26 05 26 00-0192	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	212.44	
26 05 26 00-0193	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	308.42	
26 05 26 00-0194		Tee, Wye Or Cross Cadweld *(26 05 26 00-0188)*		
26 05 26 00-0195	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	204.44	
26 05 26 00-0196	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	236.43	
26 05 26 00-0197	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	292.43	
26 05 26 00-0198	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	356.41	
26 05 26 00-0199		Grounding Equipment *(26 05 26)*		
26 05 26 00-0200		Special Grounding Equipment *(26 05 26 00-0199)*		
26 05 26 00-0201		Ground Reels And Ground Bus *(26 05 26 00-0200)*		
26 05 26 00-0202	EA	Ground Reel With 50' Of Galvanized Steel Cable	786.84	
26 05 26 00-0203		Copper Bars *(26 05 26 00-0200)*		
26 05 26 00-0204	LF	1/4" x 2" Copper Bar	47.17	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0205		**Phenolic Insulators** *(26 05 26 00-0200)*		
26 05 26 00-0206	EA	2" x 2" x 1" Long Phenolic Insulators	39.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 26 00-0207		**Grounding Studs** *(26 05 26 00-0200)*		
26 05 26 00-0208	EA	Ball Grounding Stud	57.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.33*	
26 05 26 00-0209		**Equipment Ground Bar Kits** *(26 05 26 00-0200)*		
26 05 26 00-0210	EA	Switch Rating 30 Ground Bar Kit	42.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 26 00-0211	EA	Switch Rating 60 Ground Bar Kit	52.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 05 26 00-0212	EA	Switch Rating 100 Ground Bar Kit	61.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 26 00-0213	EA	Switch Rating 200 Ground Bar Kit	99.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 05 26 00-0214		**Panelboard Ground Bar Kits** *(26 05 26 00-0200)*		
26 05 26 00-0215	EA	Panelboard Ground Bar Kit	135.13	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 26 00-0216		**Circuit Breaker Ground Bar Kits** *(26 05 26 00-0200)*		
26 05 26 00-0217	EA	3 Circuit, Ground Bar Kit	34.66	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 26 00-0218	EA	4 Circuit, Ground Bar Kit	34.17	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 26 00-0219	EA	7 Circuit, Ground Bar Kit	34.99	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 26 00-0220	EA	12 Circuit, Ground Bar Kit	39.67	8.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	
26 05 26 00-0221	EA	20 Circuit, Ground Bar Kit	45.00	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.12*	
26 05 26 00-0222	EA	24 Circuit, Ground Bar Kit	49.67	10.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.08*	
26 05 26 00-0223	EA	30 Circuit, Ground Bar Kit	55.79	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 05 26 00-0224	EA	54 Circuit, Ground Bar Kit	64.64	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.44*	
26 05 26 00-0225	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	66.23	10.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.08*	
26 05 26 00-0226	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	73.67	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 05 26 00-0227	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	82.68	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.44*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*
See CSI section 05 43 00 00-0001 for additional unistrut fittings.

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*
Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	24.79	8.77
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	34.97	11.69
		For Galvanizing, Add	*1.97*	
		For Powder Coating, Add	*1.74*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	45.14	13.88
		For Galvanizing, Add	*2.95*	
		For Powder Coating, Add	*2.61*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	55.32	16.08
		For Galvanizing, Add	*3.94*	
		For Powder Coating, Add	*3.48*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	12.39	3.30
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	26.57	8.77
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	38.53	11.69
		For Galvanizing, Add	*2.57*	
		For Powder Coating, Add	*2.27*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	50.47	13.88
		For Galvanizing, Add	*3.86*	
		For Powder Coating, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	62.42	16.08
		For Galvanizing, Add	*5.15*	
		For Powder Coating, Add	*4.54*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	14.17	3.30
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	28.41	8.77
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	42.21	11.69
		For Galvanizing, Add	*3.20*	
		For Powder Coating, Add	*2.82*	
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	56.01	13.88
		For Galvanizing, Add	*4.80*	
		For Powder Coating, Add	*4.24*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	69.80	16.08
		For Galvanizing, Add	*6.40*	
		For Powder Coating, Add	*5.65*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	16.01	3.30
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	27.79	8.77
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	40.96	11.69
		For Galvanizing, Add	*2.99*	
		For Powder Coating, Add	*2.64*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	54.13	13.88
		For Galvanizing, Add	*4.48*	
		For Powder Coating, Add	*3.95*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	67.30	16.08
		For Galvanizing, Add	*5.98*	
		For Powder Coating, Add	*5.27*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.39	3.30
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	27.38	8.77
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	40.15	11.69
		For Galvanizing, Add	*2.85*	
		For Powder Coating, Add	*2.51*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	52.92	13.88
		For Galvanizing, Add	*4.28*	
		For Powder Coating, Add	*3.77*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	65.68	16.08
		For Galvanizing, Add	*5.70*	
		For Powder Coating, Add	*5.03*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.98	3.30
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	

26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	36.50	8.77
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	58.38	11.69
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	80.26	13.88
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	102.13	16.08
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.09	3.30
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	39.71	8.77
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	64.81	11.69
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	89.90	13.88
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	114.98	16.08
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.30	3.30
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	40.77	8.77
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	66.93	11.69
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	93.09	13.88
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	119.24	16.08
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	28.37	3.30
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	46.31	8.77
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	78.01	11.69
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	109.71	13.88
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	141.40	16.08
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	33.91	3.30

26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	50.36	8.77
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	86.12	11.69
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	121.86	13.88
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	157.61	16.08
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	37.95	3.30

26 05 29 00-0057 Aluminum Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	23.98	8.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	33.36	11.69
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	42.72	13.88
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	52.09	16.08
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	11.58	3.30
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	27.24	8.77
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	39.87	11.69
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	52.50	13.88
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	65.12	16.08
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	14.84	3.30
26 05 29 00-0068		Metal Framing Channel Fittings *(26 05 29 00-0001)*		
26 05 29 00-0069		Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*		
26 05 29 00-0070		Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	8.05	0.80
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	6.54	2.00
26 05 29 00-0073		Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	12.30	2.00
26 05 29 00-0075		Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0076		Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.12	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.07	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	9.74	
26 05 29 00-0080		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.53	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	24.06	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	30.44	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.87	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.66	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	11.20	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	11.05	
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.92	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.14	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.46	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	14.40	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.25	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	23.54	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.88	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	19.64	
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.85	
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.86	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	6.49	
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	19.51	
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	16.26	
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	36.92	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.60	2.40
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.63	2.40
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.77	2.40
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.56	3.20
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.29	3.20
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.37	3.20
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.49	4.01
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.13	4.01
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.76	4.01
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.98	4.01
26 05 29 00-0125		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.85	2.40
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.69	2.40
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.53	2.40
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.24	3.20
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.57	3.20
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.19	3.20
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.54	4.01
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.62	4.01
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.51	4.01
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	25.80	4.01
26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.37	2.40
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.55	2.40
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.89	2.40
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.40	3.20
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.49	3.20
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.69	3.20
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.11	4.01
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.17	4.01
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	29.69	4.01
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	34.29	4.01
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	48.02	14.61
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	33.56	14.61
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	46.56	14.61
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	54.14	14.61
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.78	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	5.29	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.43	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	43.95	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	54.78	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	10.50	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	11.38	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	12.05	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	15.62	
26 05 29 00-0170		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	17.20	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.07	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	23.64	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	36.29	
26 05 29 00-0175		**Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0176		**Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)*		
		Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	10.53	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	11.51	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	12.10	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	16.65	
26 05 29 00-0181		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)*		
		Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.74	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.64	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	16.77	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	35.48	
26 05 29 00-0186		**Mounting Assemblies** *(26 05 29)*		
26 05 29 00-0187		**Galvanized Steel Mounting Assemblies** *(26 05 29 00-0186)*		
26 05 29 00-0188		**Galvanized Steel Back Plate** *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	612.01	95.98
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	152.98	32.00
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	387.08	79.99
26 05 29 00-0192		**Aluminum Mounting Assemblies** *(26 05 29 00-0186)*		
26 05 29 00-0193		**Aluminum Back Plate** *(26 05 29 00-0192)*		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	508.17	119.98
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,391.25	119.98
26 05 29 00-0196		**Supports** *(26 05 29)*		
26 05 29 00-0197		**One Hole Steel Conduit Straps** *(26 05 29 00-0196)*		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	5.70	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.59*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	5.76	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.60*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	6.06	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.63*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	6.28	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.65*	
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	6.43	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	7.34	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.76*	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	8.27	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.85*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	8.58	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.88*	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	10.10	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.40*	
		For >500, Deduct	*-2.03*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	11.32	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-2.16*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	5.85	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.61*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	6.00	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.62*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	6.26	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.65*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	6.89	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.71*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	7.15	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.74*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	8.75	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.90*	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	12.20	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.24*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	15.08	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.77*	
		For >500, Deduct	*-2.53*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	19.29	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-2.95*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	36.13	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.64*	
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	45.18	
		For Work In Restricted Working Space, Add	*1.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-4.03*	
		For >500, Deduct	*-5.54*	

26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	6.56	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.81*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	6.66	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.82*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	6.71	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.82*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	6.78	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.83*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	6.83	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.83*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	6.96	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.85*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	7.65	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.92*	
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	7.80	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	8.34	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.98*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	8.72	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-2.02*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	9.21	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.64*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.07*	

26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	5.16	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	5.54	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.35*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.90	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	7.31	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	8.44	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.64*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	9.63	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.76*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	14.46	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.25*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	20.23	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.82*	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	25.84	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-3.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	52.14	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.81*	
		For >250 To 500, Deduct	*-4.41*	
		For >500, Deduct	*-6.01*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	96.56	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-7.74*	
		For >500, Deduct	*-10.46*	

26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

26 05 29 00-0245	EA	1/2" Conduit Clip	6.32	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0246	EA	3/4" Conduit Clip	6.32	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0247	EA	1" Conduit Clip	6.23	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.65*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	6.45	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.67*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	7.86	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.70*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.07*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	8.09	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.70*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.09*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	8.62	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.22*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	8.75	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.24*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	9.63	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.32*	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	10.41	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.90*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.48*	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	11.20	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.90*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	19.41	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.54*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	4.59	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	4.65	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	4.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	5.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	

26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	6.49	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	6.37	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.44*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	7.06	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.51*	

26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	11.01	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.70*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	10.48	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.65*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.84	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.78*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	29.80	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.62*	

26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	7.74	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	6.62	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	7.58	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.40*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	5.03	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	5.23	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.16*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	7.49	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-2.03*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	24.09	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.61*	
		For >500, Deduct	*-3.69*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	32.81	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.26*	
		For >500, Deduct	*-4.56*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.59	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.62	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.76	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.55	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.28	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.21*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.36	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.48	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.75*	
		For Work In Restricted Working Space, Add	*2.40*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.12	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.81*	
		For Work In Restricted Working Space, Add	*2.40*	
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.75	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.88*	
		For Work In Restricted Working Space, Add	*2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0292	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.97	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.90*	
		For Work In Restricted Working Space, Add	*2.40*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.06	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.67*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.01	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.93	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.13	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	10.40	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.32*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	10.47	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-2.33*	
		For Work In Restricted Working Space, Add	*1.92*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	29.51	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.61*	
		For >500, Deduct	*-5.19*	
		For Work In Restricted Working Space, Add	*3.36*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	29.83	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.64*	
		For >500, Deduct	*-5.22*	
		For Work In Restricted Working Space, Add	*3.36*	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	31.73	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.98*	
		For >500, Deduct	*-5.73*	
		For Work In Restricted Working Space, Add	*3.84*	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	32.07	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-4.01*	
		For >500, Deduct	*-5.77*	
		For Work In Restricted Working Space, Add	*3.84*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	33.90	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-4.34*	
		For >500, Deduct	*-6.27*	
		For Work In Restricted Working Space, Add	*4.32*	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	35.20	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-2.48*	
		For >250 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.40*	
		For Work In Restricted Working Space, Add	*4.32*	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	55.38	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.74*	
		For Work In Restricted Working Space, Add	*4.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	58.94	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.41*	
		For Work In Restricted Working Space, Add	*5.28*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	63.49	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.13*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-10.19*	
		For Work In Restricted Working Space, Add	*5.76*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	83.65	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-12.21*	
		For Work In Restricted Working Space, Add	*5.76*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	91.86	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.63*	
		For >250 To 500, Deduct	*-9.49*	
		For >500, Deduct	*-13.34*	
		For Work In Restricted Working Space, Add	*6.24*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	128.86	
		For >50 To 100, Deduct	*-3.82*	
		For >100 To 250, Deduct	*-7.64*	
		For >250 To 500, Deduct	*-12.66*	
		For >500, Deduct	*-17.69*	
		For Work In Restricted Working Space, Add	*7.20*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	10.74	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	12.79	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*1.44*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.98	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.86	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.86	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	5.09	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	5.12	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.98	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	5.09	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	5.12	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0325		**Clips And Accessories** *(26 05 29 00-0196)*		
26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.67	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.72	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.90	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	3.29	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0330		**Wire Ties** *(26 05 29 00-0196)*		
		Note: Per hundred (C).		
26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	39.28	
		For Up To 0.1, Add	*33.39*	
		For >0.1 To 0.25, Add	*16.70*	
		For >0.25 To 0.75, Add	*8.35*	
		For >2.0, Deduct	*-3.34*	
		For UV Black, Add	*0.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.02*	
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	39.51	
		For Up To 0.1, Add	*33.39*	
		For >0.1 To 0.25, Add	*16.70*	
		For >0.25 To 0.75, Add	*8.35*	
		For >2.0, Deduct	*-3.34*	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.02*	
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	39.67	
		For Up To 0.1, Add	*33.39*	
		For >0.1 To 0.25, Add	*16.70*	
		For >0.25 To 0.75, Add	*8.35*	
		For >2.0, Deduct	*-3.34*	
		For UV Black, Add	*0.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.02*	
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	39.74	
		For Up To 0.1, Add	*33.39*	
		For >0.1 To 0.25, Add	*16.70*	
		For >0.25 To 0.75, Add	*8.35*	
		For >2.0, Deduct	*-3.34*	
		For UV Black, Add	*0.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.02*	
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	41.26	
		For Up To 0.1, Add	*34.84*	
		For >0.1 To 0.25, Add	*17.42*	
		For >0.25 To 0.75, Add	*8.71*	
		For >2.0, Deduct	*-3.48*	
		For UV Black, Add	*0.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.45*	
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	47.82	
		For Up To 0.1, Add	*36.43*	
		For >0.1 To 0.25, Add	*18.22*	
		For >0.25 To 0.75, Add	*9.11*	
		For >2.0, Deduct	*-3.64*	
		For UV Black, Add	*1.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	45.60	
		For Up To 0.1, Add	*33.39*	
		For >0.1 To 0.25, Add	*16.70*	
		For >0.25 To 0.75, Add	*8.35*	
		For >2.0, Deduct	*-3.34*	
		For UV Black, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.02*	
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	47.15	
		For Up To 0.1, Add	*34.84*	
		For >0.1 To 0.25, Add	*17.42*	
		For >0.25 To 0.75, Add	*8.71*	
		For >2.0, Deduct	*-3.48*	
		For UV Black, Add	*1.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.45*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	48.80	
		For Up To 0.1, Add	*36.43*	
		For >0.1 To 0.25, Add	*18.22*	
		For >0.25 To 0.75, Add	*9.11*	
		For >2.0, Deduct	*-3.64*	
		For UV Black, Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	67.82	
		For Up To 0.1, Add	*39.28*	
		For >0.1 To 0.25, Add	*19.64*	
		For >0.25 To 0.75, Add	*9.82*	
		For >2.0, Deduct	*-3.93*	
		For UV Black, Add	*4.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	70.40	
		For Up To 0.1, Add	*39.28*	
		For >0.1 To 0.25, Add	*19.64*	
		For >0.25 To 0.75, Add	*9.82*	
		For >2.0, Deduct	*-3.93*	
		For UV Black, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	50.61	
		For Up To 0.1, Add	*36.43*	
		For >0.1 To 0.25, Add	*18.22*	
		For >0.25 To 0.75, Add	*9.11*	
		For >2.0, Deduct	*-3.64*	
		For UV Black, Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	48.32	
		For Up To 0.1, Add	*36.43*	
		For >0.1 To 0.25, Add	*18.22*	
		For >0.25 To 0.75, Add	*9.11*	
		For >2.0, Deduct	*-3.64*	
		For UV Black, Add	*1.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	68.53	
		For Up To 0.1, Add	*39.28*	
		For >0.1 To 0.25, Add	*19.64*	
		For >0.25 To 0.75, Add	*9.82*	
		For >2.0, Deduct	*-3.93*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	77.70	
		For Up To 0.1, Add	*41.74*	
		For >0.1 To 0.25, Add	*20.87*	
		For >0.25 To 0.75, Add	*10.44*	
		For >2.0, Deduct	*-4.17*	
		For UV Black, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 29 00-0346	C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	75.01	
		For Up To 0.1, Add	*36.43*	
		For >0.1 To 0.25, Add	*18.22*	
		For >0.25 To 0.75, Add	*9.11*	
		For >2.0, Deduct	*-3.64*	
		For UV Black, Add	*5.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 29 00-0347	C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	81.99	
		For Up To 0.1, Add	*39.28*	
		For >0.1 To 0.25, Add	*19.64*	
		For >0.25 To 0.75, Add	*9.82*	
		For >2.0, Deduct	*-3.93*	
		For UV Black, Add	*6.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	
26 05 29 00-0348	C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	97.92	
		For Up To 0.1, Add	*41.74*	
		For >0.1 To 0.25, Add	*20.87*	
		For >0.25 To 0.75, Add	*10.44*	
		For >2.0, Deduct	*-4.17*	
		For UV Black, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 29 00-0349	C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	136.57	
		For Up To 0.1, Add	*44.52*	
		For >0.1 To 0.25, Add	*22.26*	
		For >0.25 To 0.75, Add	*11.13*	
		For >2.0, Deduct	*-4.45*	
		For UV Black, Add	*13.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.36*	
26 05 29 00-0350	C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	132.64	
		For Up To 0.1, Add	*44.52*	
		For >0.1 To 0.25, Add	*22.26*	
		For >0.25 To 0.75, Add	*11.13*	
		For >2.0, Deduct	*-4.45*	
		For UV Black, Add	*13.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.36*	
26 05 29 00-0351	C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	159.83	
		For Up To 0.1, Add	*46.59*	
		For >0.1 To 0.25, Add	*23.30*	
		For >0.25 To 0.75, Add	*11.65*	
		For >2.0, Deduct	*-4.66*	
		For UV Black, Add	*16.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 29 00-0352	C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	183.83	
		For Up To 0.1, Add	*48.86*	
		For >0.1 To 0.25, Add	*24.43*	
		For >0.25 To 0.75, Add	*12.22*	
		For >2.0, Deduct	*-4.89*	
		For UV Black, Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0353	C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	248.83	
		For Up To 0.1, Add	*52.72*	
		For >0.1 To 0.25, Add	*26.36*	
		For >0.25 To 0.75, Add	*13.18*	
		For >2.0, Deduct	*-5.27*	
		For UV Black, Add	*29.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.82*	
26 05 29 00-0354	C	3/4" x 3/4" Self Adhesive Tie Mounts	52.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.03*	
26 05 29 00-0355	C	1.1" x 1.1" Tie Mounts With Screw	105.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.05*	
26 05 29 00-0356	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.24*	
26 05 29 00-0357	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.20*	
26 05 29 00-0358	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.20*	
26 05 29 00-0359	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.20*	
26 05 29 00-0360	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	111.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.50*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	12.21	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.90*	
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.54	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-4.24*	
		For >500, Deduct	*-6.05*	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	13.12	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.36*	
		For >500, Deduct	*-6.22*	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.44	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.37*	
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.75	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.57*	
		For >500, Deduct	*-6.52*	
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	15.17	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.76*	
		For >500, Deduct	*-6.78*	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	15.71	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.88*	
		For >500, Deduct	*-6.95*	

26 05 29 00-0370 Machine Screws *(26 05 29 00-0361)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.64	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.78*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.68	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.79*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.61	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.24*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.76	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.26*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	5.84	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.72*	

26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0361)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.55	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.34*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.50	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.33*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	7.51	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.88*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	9.40	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-3.42*	

26 05 29 00-0381 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0361)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.21	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.84*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.26	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.85*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.98	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.08*	

26 05 29 00-0385 Hollow Wall Screw Anchors *(26 05 29 00-0361)*

26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.50	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.11*	
26 05 29 00-0387	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.56	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.11*	
26 05 29 00-0388	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.65	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0389	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.28	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0390	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.41	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0391	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.45	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0392	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.47	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0393	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.65	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0394	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.72	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.36*	

26 05 29 00-0395 Lead Screw Anchors *(26 05 29 00-0361)*

Note: Includes screw.

26 05 29 00-0396	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.93	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.77*	
26 05 29 00-0397	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.01	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.23*	
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	9.32	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-4.14*	

26 05 29 00-0399 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0400	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	9.60	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.68*	
26 05 29 00-0401	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	10.07	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.88*	
26 05 29 00-0402	EA	1" Conduit, Push-In Acoustical T-Bar Clip	10.94	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-4.12*	

26 05 29 00-0403 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0404 Threaded Rod And Rod Accessories *(26 05 29 00-0403)*

26 05 29 00-0405 Carbon Steel Threaded Rod *(26 05 29 00-0404)*

Note: Includes plain finish.

26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.21	1.01
		For Galvanized, Add	*0.88*	
		For Zinc Coated, Add	*0.63*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.64	1.07
		For Galvanized, Add	*1.40*	
		For Zinc Coated, Add	*1.00*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.65	1.10
		For Galvanized, Add	*2.18*	
		For Zinc Coated, Add	*1.55*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.17	1.13
		For Galvanized, Add	*3.96*	
		For Zinc Coated, Add	*2.82*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.23	1.18
		For Galvanized, Add	*4.35*	
		For Zinc Coated, Add	*3.10*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.94	1.33
		For Galvanized, Add	*6.11*	
		For Zinc Coated, Add	*4.35*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.21	1.49
		For Galvanized, Add	*7.70*	
		For Zinc Coated, Add	*5.49*	

26 05 29 00-0413 Threaded Rod Couplings *(26 05 29 00-0404)*

26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut	12.21
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut	13.77
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut	16.75
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut	19.89
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut	27.49
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut	32.55
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	57.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0421		**Flat Washers** *(26 05 29 00-0404)*		
26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.04	0.40
		For Galvanized, Add	*0.03*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.29	0.40
		For Galvanized, Add	*0.07*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.61	0.40
		For Galvanized, Add	*0.14*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.92	0.80
		For Galvanized, Add	*0.20*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.14	0.80
		For Galvanized, Add	*0.24*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.52	0.80
		For Galvanized, Add	*0.30*	
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.82	0.80
		For Galvanized, Add	*0.33*	
26 05 29 00-0429		**Malleable Iron Eye Sockets** *(26 05 29 00-0404)*		
		Note: Type 16.		
26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket	14.86	
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket	17.78	
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket	30.95	
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket	44.11	
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket	46.99	
26 05 29 00-0435		**Hex Nuts** *(26 05 29 00-0404)*		
26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.02	0.40
		For Galvanized, Add	*0.03*	
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.40
		For Galvanized, Add	*0.06*	
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.61	0.40
		For Galvanized, Add	*0.14*	
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.87	0.80
		For Galvanized, Add	*0.19*	
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.60	0.80
		For Galvanized, Add	*0.36*	
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.27	0.80
		For Galvanized, Add	*0.48*	
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.14	0.80
		For Galvanized, Add	*0.91*	
26 05 29 00-0443		**Forged Steel Turnbuckles** *(26 05 29 00-0404)*		
		Note: Type 13.		
26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	36.54	
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	45.06	
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	60.18	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	74.39	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	181.87	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	121.64	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	243.54	
26 05 29 00-0451		**Attachments** *(26 05 29 00-0403)*		
26 05 29 00-0452		**Welded Beam Attachments** *(26 05 29 00-0451)*		
		Note: Type 22.		
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	67.20	16.00
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	71.63	16.80
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	76.24	17.75
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	96.58	18.88
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	115.41	20.00
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	160.84	22.88
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	226.27	24.00
26 05 29 00-0460		**C-Clamp Style Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	24.35	12.02
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	28.82	12.82
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	32.59	13.74
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	41.47	14.79
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	59.38	16.03
26 05 29 00-0466		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	64.51	16.03
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	93.90	17.49
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	133.32	19.23
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	159.32	21.37
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	381.63	24.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0472		**Steel U-Bolts** *(26 05 29 00-0451)* Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.81	9.61
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	21.45	10.12
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	23.06	10.69
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	26.08	11.31
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	27.00	12.02
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	28.88	12.83
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	40.90	13.74
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	45.03	14.79
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	54.13	16.03
26 05 29 00-0482		**Stainless Steel Threaded Rod** *(26 05 29 00-0403)*		
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.87	0.80
		For 316 Stainless Steel, Add	*0.92*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.63	0.88
		For 316 Stainless Steel, Add	*1.56*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.15	1.01
		For 316 Stainless Steel, Add	*2.09*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.73	1.03
		For 316 Stainless Steel, Add	*3.10*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.57	1.07
		For 316 Stainless Steel, Add	*3.82*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	17.04	1.08
		For 316 Stainless Steel, Add	*6.02*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.61	1.10
		For 316 Stainless Steel, Add	*8.67*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	32.27	1.13
		For 316 Stainless Steel, Add	*12.15*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	41.39	1.33
		For 316 Stainless Steel, Add	*15.68*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	86.93	1.61
		For 316 Stainless Steel, Add	*33.86*	
26 05 29 00-0493		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)* Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0493)*		
26 05 29 00-0495		**Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.18	32.00
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.94	34.88
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.06	38.40
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.54	42.72
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	122.52	47.99
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.52	52.79
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	157.99	57.59
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	173.53	62.39
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	183.83	67.19
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	198.43	71.99
26 05 29 00-0506		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.78	32.00
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.06	34.88
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.41	38.40
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.86	42.72
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	123.80	47.99
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	142.33	52.79
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	162.14	57.59
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	179.05	62.39
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	190.77	67.19
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	199.35	71.99
26 05 29 00-0517		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.89	31.68
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.97	34.56
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.76	38.40
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.93	42.24
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	140.13	47.99
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	153.71	52.79
26 05 29 00-0524		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0525		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.16	0.96
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.82	0.96
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.76	0.96
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.42	0.96
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.16	0.96
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.06	0.96
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	39.90	0.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	53.30	0.96
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	93.99	0.96
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	99.86	0.96
26 05 29 00-0536		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.09	1.91
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.16	1.91
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.56	1.91
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.61	1.91
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.16	1.91
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.15	1.91
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.06	1.91
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.25	1.91
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.11	1.91
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.59	1.91
26 05 29 00-0547		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0493)*		
26 05 29 00-0548		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.67	1.91
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.93	1.91
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	21.08	1.91
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	24.51	1.91
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	32.53	1.91
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	57.14	1.91
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	78.65	1.91
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	107.09	1.91
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.81	1.91
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.81	1.91
26 05 29 00-0559		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0493)*		
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.06	1.29
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.35	1.45
26 05 29 00-0563		**Attachments** *(26 05 29 00-0493)*		
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.85	9.61
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	23.69	10.09
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.96	10.74
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	26.54	11.38
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	28.26	12.02
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	31.45	12.83
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	43.26	13.78
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	45.55	14.74
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	48.67	16.03
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	75.85	18.27
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	93.35	21.15
26 05 29 00-0576		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	78.57	31.68
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	89.54	31.68
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	94.06	31.68
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	103.17	33.59
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	120.39	38.40
26 05 29 00-0582		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0563)*		
		Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.40	10.56
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	30.03	11.52
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	32.69	12.48
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.93	14.40
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.21	16.32
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	46.60	17.27
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	51.53	19.20
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	60.65	21.11
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	65.93	22.08
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	69.57	24.00
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	74.81	26.88
26 05 29 00-0594		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	27.10	4.80
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	47.31	6.72
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	28.81	4.80
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	21.84	4.80
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	22.90	4.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0600		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0601		**Polymer Concrete, Box Pads** *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,481.27	163.47
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,528.96	163.47
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,967.27	163.47
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	2,039.95	163.47
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,899.62	163.47
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,242.82	163.47
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,505.98	163.47
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,415.61	204.34
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,645.17	204.34
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,880.81	204.34
26 05 29 00-0612		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	729.01	94.69
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	859.31	94.69
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,099.41	122.60
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,147.84	122.60
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,640.81	122.60
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,709.33	122.60
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,837.00	122.60
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,837.00	122.60
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,440.90	122.60
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,898.56	122.60
26 05 29 00-0623		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	453.04	94.69
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	486.53	94.69
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	517.05	94.69
26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	618.40	94.69
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	573.17	94.69
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	594.49	94.69
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	649.74	94.69
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	681.97	94.69
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	789.62	94.69
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	966.93	94.69
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,403.32	122.60
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,468.12	122.60
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,488.57	122.60
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,624.81	122.60
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,447.05	122.60
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,057.42	122.60

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001		**Conduit Assemblies With Wire** *(26 05 33 13)* Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.		
26 05 33 13-0002		**Electrical Metallic Tubing (EMT) Conduit Assemblies** *(26 05 33 13-0001)* Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.		
26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,182.91	357.20
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,289.70	387.90
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,396.48	418.59
		For Work In Restricted Working Space, Add	*358.84*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,245.94	372.55
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,376.93	408.36
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,507.93	444.16
		For Work In Restricted Working Space, Add	*380.76*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,385.72	403.24
		For Work In Restricted Working Space, Add	*345.69*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,318.36	385.12
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,425.15	415.81
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,531.93	446.50
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,638.73	477.20
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,381.39	400.47
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,512.38	436.27
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,643.38	472.08
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,774.38	507.89
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,702.63	477.20
		For Work In Restricted Working Space, Add	*409.00*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,884.09	523.23
		For Work In Restricted Working Space, Add	*448.46*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,695.34	461.85
		For Work In Restricted Working Space, Add	*395.85*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,938.67	518.12
		For Work In Restricted Working Space, Add	*444.08*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,507.67	414.50
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,614.45	445.18
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,721.24	475.88

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26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,828.03	506.57
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,570.71	429.84
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,701.69	465.65
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,832.70	501.46
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,963.68	537.27
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,891.94	506.57
		For Work In Restricted Working Space, Add	*434.26*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	2,127.99	547.50
		For Work In Restricted Working Space, Add	*469.34*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	2,371.30	603.76
		For Work In Restricted Working Space, Add	*517.56*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,486.91	406.60
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,593.70	437.29
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,549.94	421.95
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,680.93	457.76
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,689.71	452.65
		For Work In Restricted Working Space, Add	*387.95*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,626.67	433.64
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,733.45	464.33
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,840.24	495.03
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,689.69	448.99
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,820.70	484.80
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,951.69	520.60
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	2,010.93	525.72
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*450.56*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	2,192.40	571.76
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*490.03*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,003.65	510.37
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*437.41*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,246.97	566.65
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*485.64*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,067.33	517.82
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,174.12	548.52
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,280.91	579.21
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,154.57	538.29
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,285.55	574.10
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,416.56	609.90
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	2,344.82	579.21
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*496.48*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,580.84	620.14
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*531.55*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,824.17	676.40
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*579.78*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".

26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.60	3.22
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.86*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.52	3.51
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-1.02*	
		For Installation In Metal Stud Wall, Add	*0.94*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.34*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.40*	
		For Work In Restricted Working Space, Add	*2.81*	
		For Elevated Installation >10' To 15', Add	*0.94*	
		For Elevated Installation >15' To 20', Add	*1.87*	
		For Elevated Installation >20' To 25', Add	*2.34*	
		For Elevated Installation >25' To 30', Add	*3.28*	
		For Elevated Installation >30' To 35', Add	*3.74*	
		For Elevated Installation >35' To 40', Add	*4.68*	
		For Elevated Installation >40', Add	*5.15*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.45	4.09
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.43*	
		For Installation In Metal Stud Wall, Add	*1.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.89*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Elevated Installation >10' To 15', Add	*1.26*	
		For Elevated Installation >15' To 20', Add	*2.51*	
		For Elevated Installation >20' To 25', Add	*3.14*	
		For Elevated Installation >25' To 30', Add	*4.40*	
		For Elevated Installation >30' To 35', Add	*5.03*	
		For Elevated Installation >35' To 40', Add	*6.29*	
		For Elevated Installation >40', Add	*6.91*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.81	4.67
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000, Deduct	*-1.65*	
		For Installation In Metal Stud Wall, Add	*1.33*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.33*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.00*	
		For Work In Restricted Working Space, Add	*3.99*	
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.66*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.66*	
		For Elevated Installation >30' To 35', Add	*5.32*	
		For Elevated Installation >35' To 40', Add	*6.65*	
		For Elevated Installation >40', Add	*7.32*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	22.59	5.27
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.89*	
		For Installation In Metal Stud Wall, Add	*1.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.65*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.19*	
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.65	6.43
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000, Deduct	*-2.42*	
		For Installation In Metal Stud Wall, Add	*1.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.50*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.70*	
		For Work In Restricted Working Space, Add	*5.39*	
		For Elevated Installation >10' To 15', Add	*1.80*	
		For Elevated Installation >15' To 20', Add	*3.60*	
		For Elevated Installation >20' To 25', Add	*4.50*	
		For Elevated Installation >25' To 30', Add	*6.29*	
		For Elevated Installation >30' To 35', Add	*7.19*	
		For Elevated Installation >35' To 40', Add	*8.99*	
		For Elevated Installation >40', Add	*9.89*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	42.09	8.77
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-2.55*	
		For >1,000, Deduct	*-3.60*	
		For Installation In Metal Stud Wall, Add	*2.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.10*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.66*	
		For Work In Restricted Working Space, Add	*7.32*	
		For Elevated Installation >10' To 15', Add	*2.44*	
		For Elevated Installation >15' To 20', Add	*4.88*	
		For Elevated Installation >20' To 25', Add	*6.10*	
		For Elevated Installation >25' To 30', Add	*8.54*	
		For Elevated Installation >30' To 35', Add	*9.76*	
		For Elevated Installation >35' To 40', Add	*12.21*	
		For Elevated Installation >40', Add	*13.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	55.38	11.69
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.72*	
		For Installation In Metal Stud Wall, Add	*3.29*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.22*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.93*	
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.58*	
		For Elevated Installation >20' To 25', Add	*8.22*	
		For Elevated Installation >25' To 30', Add	*11.51*	
		For Elevated Installation >30' To 35', Add	*13.15*	
		For Elevated Installation >35' To 40', Add	*16.44*	
		For Elevated Installation >40', Add	*18.08*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	66.47	14.61
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.67*	
		For Installation In Metal Stud Wall, Add	*3.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.76*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.85*	
		For Work In Restricted Working Space, Add	*11.71*	
		For Elevated Installation >10' To 15', Add	*3.90*	
		For Elevated Installation >15' To 20', Add	*7.80*	
		For Elevated Installation >20' To 25', Add	*9.76*	
		For Elevated Installation >25' To 30', Add	*13.66*	
		For Elevated Installation >30' To 35', Add	*15.61*	
		For Elevated Installation >35' To 40', Add	*19.51*	
		For Elevated Installation >40', Add	*21.46*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	78.55	17.54
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.73*	
		For Installation In Metal Stud Wall, Add	*4.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*11.26*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*6.75*	
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	120.27	22.21
		For >250 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-7.63*	
		For >1,000, Deduct	*-10.64*	
		For Installation In Metal Stud Wall, Add	*5.55*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*13.89*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.22*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.55*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	161.14	28.06
		For >250 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-10.33*	
		For >1,000, Deduct	*-14.36*	
		For Installation In Metal Stud Wall, Add	*7.02*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*17.54*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*10.52*	
		For Work In Restricted Working Space, Add	*21.05*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.03*	
		For Elevated Installation >20' To 25', Add	*17.54*	
		For Elevated Installation >25' To 30', Add	*24.55*	
		For Elevated Installation >30' To 35', Add	*28.06*	
		For Elevated Installation >35' To 40', Add	*35.08*	
		For Elevated Installation >40', Add	*38.58*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	42.04	14.47
		For Work In Restricted Working Space, Add	*10.88*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.26*	
		For Elevated Installation >20' To 25', Add	*9.07*	
		For Elevated Installation >25' To 30', Add	*12.70*	
		For Elevated Installation >30' To 35', Add	*14.51*	
		For Elevated Installation >35' To 40', Add	*18.14*	
		For Elevated Installation >40', Add	*19.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	52.71	17.98
		For Work In Restricted Working Space, Add	*13.53*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.02*	
		For Elevated Installation >20' To 25', Add	*11.28*	
		For Elevated Installation >25' To 30', Add	*15.79*	
		For Elevated Installation >30' To 35', Add	*18.04*	
		For Elevated Installation >35' To 40', Add	*22.56*	
		For Elevated Installation >40', Add	*24.81*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	66.71	22.07
		For Work In Restricted Working Space, Add	*16.51*	
		For Elevated Installation >10' To 15', Add	*5.50*	
		For Elevated Installation >15' To 20', Add	*11.00*	
		For Elevated Installation >20' To 25', Add	*13.76*	
		For Elevated Installation >25' To 30', Add	*19.26*	
		For Elevated Installation >30' To 35', Add	*22.01*	
		For Elevated Installation >35' To 40', Add	*27.51*	
		For Elevated Installation >40', Add	*30.26*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	83.88	25.57
		For Work In Restricted Working Space, Add	*19.17*	
		For Elevated Installation >10' To 15', Add	*6.39*	
		For Elevated Installation >15' To 20', Add	*12.78*	
		For Elevated Installation >20' To 25', Add	*15.97*	
		For Elevated Installation >25' To 30', Add	*22.36*	
		For Elevated Installation >30' To 35', Add	*25.56*	
		For Elevated Installation >35' To 40', Add	*31.95*	
		For Elevated Installation >40', Add	*35.14*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	97.17	29.37
		For Work In Restricted Working Space, Add	*22.00*	
		For Elevated Installation >10' To 15', Add	*7.33*	
		For Elevated Installation >15' To 20', Add	*14.67*	
		For Elevated Installation >20' To 25', Add	*18.33*	
		For Elevated Installation >25' To 30', Add	*25.67*	
		For Elevated Installation >30' To 35', Add	*29.33*	
		For Elevated Installation >35' To 40', Add	*36.67*	
		For Elevated Installation >40', Add	*40.33*	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	113.44	32.30
		For Work In Restricted Working Space, Add	*24.20*	
		For Elevated Installation >10' To 15', Add	*8.07*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.17*	
		For Elevated Installation >25' To 30', Add	*28.23*	
		For Elevated Installation >30' To 35', Add	*32.26*	
		For Elevated Installation >35' To 40', Add	*40.33*	
		For Elevated Installation >40', Add	*44.36*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	159.25	40.34
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	224.35	54.96
		For Work In Restricted Working Space, Add	*41.21*	
		For Elevated Installation >10' To 15', Add	*13.74*	
		For Elevated Installation >15' To 20', Add	*27.48*	
		For Elevated Installation >20' To 25', Add	*34.35*	
		For Elevated Installation >25' To 30', Add	*48.08*	
		For Elevated Installation >30' To 35', Add	*54.95*	
		For Elevated Installation >35' To 40', Add	*68.69*	
		For Elevated Installation >40', Add	*75.56*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	290.91	61.97
		For Work In Restricted Working Space, Add	*46.49*	
		For Elevated Installation >10' To 15', Add	*15.50*	
		For Elevated Installation >15' To 20', Add	*30.99*	
		For Elevated Installation >20' To 25', Add	*38.74*	
		For Elevated Installation >25' To 30', Add	*54.23*	
		For Elevated Installation >30' To 35', Add	*61.98*	
		For Elevated Installation >35' To 40', Add	*77.48*	
		For Elevated Installation >40', Add	*85.22*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	358.34	80.67
		For Work In Restricted Working Space, Add	*60.50*	
		For Elevated Installation >10' To 15', Add	*20.17*	
		For Elevated Installation >15' To 20', Add	*40.33*	
		For Elevated Installation >20' To 25', Add	*50.41*	
		For Elevated Installation >25' To 30', Add	*70.58*	
		For Elevated Installation >30' To 35', Add	*80.66*	
		For Elevated Installation >35' To 40', Add	*100.83*	
		For Elevated Installation >40', Add	*110.91*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	585.97	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.22*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.55*	
		For Elevated Installation >35' To 40', Add	*164.44*	
		For Elevated Installation >40', Add	*180.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	880.82	197.60
		For Work In Restricted Working Space, Add	*148.19*	
		For Elevated Installation >10' To 15', Add	*49.40*	
		For Elevated Installation >15' To 20', Add	*98.79*	
		For Elevated Installation >20' To 25', Add	*123.49*	
		For Elevated Installation >25' To 30', Add	*172.89*	
		For Elevated Installation >30' To 35', Add	*197.59*	
		For Elevated Installation >35' To 40', Add	*246.99*	
		For Elevated Installation >40', Add	*271.68*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	42.04	14.47
		For Work In Restricted Working Space, Add	*10.88*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.26*	
		For Elevated Installation >20' To 25', Add	*9.07*	
		For Elevated Installation >25' To 30', Add	*12.70*	
		For Elevated Installation >30' To 35', Add	*14.51*	
		For Elevated Installation >35' To 40', Add	*18.14*	
		For Elevated Installation >40', Add	*19.95*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	52.71	17.98
		For Work In Restricted Working Space, Add	*13.53*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.02*	
		For Elevated Installation >20' To 25', Add	*11.28*	
		For Elevated Installation >25' To 30', Add	*15.79*	
		For Elevated Installation >30' To 35', Add	*18.04*	
		For Elevated Installation >35' To 40', Add	*22.56*	
		For Elevated Installation >40', Add	*24.81*	
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	66.71	22.07
		For Work In Restricted Working Space, Add	*16.51*	
		For Elevated Installation >10' To 15', Add	*5.50*	
		For Elevated Installation >15' To 20', Add	*11.00*	
		For Elevated Installation >20' To 25', Add	*13.76*	
		For Elevated Installation >25' To 30', Add	*19.26*	
		For Elevated Installation >30' To 35', Add	*22.01*	
		For Elevated Installation >35' To 40', Add	*27.51*	
		For Elevated Installation >40', Add	*30.26*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	83.88	25.57
		For Work In Restricted Working Space, Add	*19.17*	
		For Elevated Installation >10' To 15', Add	*6.39*	
		For Elevated Installation >15' To 20', Add	*12.78*	
		For Elevated Installation >20' To 25', Add	*15.97*	
		For Elevated Installation >25' To 30', Add	*22.36*	
		For Elevated Installation >30' To 35', Add	*25.56*	
		For Elevated Installation >35' To 40', Add	*31.95*	
		For Elevated Installation >40', Add	*35.14*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	97.18	29.37
		For Work In Restricted Working Space, Add	*22.00*	
		For Elevated Installation >10' To 15', Add	*7.33*	
		For Elevated Installation >15' To 20', Add	*14.67*	
		For Elevated Installation >20' To 25', Add	*18.33*	
		For Elevated Installation >25' To 30', Add	*25.67*	
		For Elevated Installation >30' To 35', Add	*29.33*	
		For Elevated Installation >35' To 40', Add	*36.67*	
		For Elevated Installation >40', Add	*40.33*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	113.44	32.30
		For Work In Restricted Working Space, Add	*24.20*	
		For Elevated Installation >10' To 15', Add	*8.07*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.17*	
		For Elevated Installation >25' To 30', Add	*28.23*	
		For Elevated Installation >30' To 35', Add	*32.26*	
		For Elevated Installation >35' To 40', Add	*40.33*	
		For Elevated Installation >40', Add	*44.36*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	156.88	40.34
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	215.11	54.96
		For Work In Restricted Working Space, Add	*41.21*	
		For Elevated Installation >10' To 15', Add	*13.74*	
		For Elevated Installation >15' To 20', Add	*27.48*	
		For Elevated Installation >20' To 25', Add	*34.35*	
		For Elevated Installation >25' To 30', Add	*48.08*	
		For Elevated Installation >30' To 35', Add	*54.95*	
		For Elevated Installation >35' To 40', Add	*68.69*	
		For Elevated Installation >40', Add	*75.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	277.92	61.97
		For Work In Restricted Working Space, Add	*46.49*	
		For Elevated Installation >10' To 15', Add	*15.50*	
		For Elevated Installation >15' To 20', Add	*30.99*	
		For Elevated Installation >20' To 25', Add	*38.74*	
		For Elevated Installation >25' To 30', Add	*54.23*	
		For Elevated Installation >30' To 35', Add	*61.98*	
		For Elevated Installation >35' To 40', Add	*77.48*	
		For Elevated Installation >40', Add	*85.22*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	341.06	80.67
		For Work In Restricted Working Space, Add	*60.50*	
		For Elevated Installation >10' To 15', Add	*20.17*	
		For Elevated Installation >15' To 20', Add	*40.33*	
		For Elevated Installation >20' To 25', Add	*50.41*	
		For Elevated Installation >25' To 30', Add	*70.58*	
		For Elevated Installation >30' To 35', Add	*80.66*	
		For Elevated Installation >35' To 40', Add	*100.83*	
		For Elevated Installation >40', Add	*110.91*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	585.97	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.22*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.55*	
		For Elevated Installation >35' To 40', Add	*164.44*	
		For Elevated Installation >40', Add	*180.88*	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	880.82	197.60
		For Work In Restricted Working Space, Add	*148.19*	
		For Elevated Installation >10' To 15', Add	*49.40*	
		For Elevated Installation >15' To 20', Add	*98.79*	
		For Elevated Installation >20' To 25', Add	*123.49*	
		For Elevated Installation >25' To 30', Add	*172.89*	
		For Elevated Installation >30' To 35', Add	*197.59*	
		For Elevated Installation >35' To 40', Add	*246.99*	
		For Elevated Installation >40', Add	*271.68*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	100.04	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	115.38	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	133.07	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	149.36	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	107.27	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	124.66	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	137.30	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	154.08	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	203.06	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	273.78	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	107.61	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	123.75	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	141.87	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	164.31	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	212.59	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	281.47	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	346.79	100.70
		For Work In Restricted Working Space, Add	*60.42*	
		For Elevated Installation >10' To 15', Add	*20.14*	
		For Elevated Installation >15' To 20', Add	*40.28*	
		For Elevated Installation >20' To 25', Add	*50.35*	
		For Elevated Installation >25' To 30', Add	*70.49*	
		For Elevated Installation >30' To 35', Add	*80.56*	
		For Elevated Installation >35' To 40', Add	*100.70*	
		For Elevated Installation >40', Add	*110.77*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	424.66	131.10
		For Work In Restricted Working Space, Add	*78.66*	
		For Elevated Installation >10' To 15', Add	*26.22*	
		For Elevated Installation >15' To 20', Add	*52.44*	
		For Elevated Installation >20' To 25', Add	*65.55*	
		For Elevated Installation >25' To 30', Add	*91.77*	
		For Elevated Installation >30' To 35', Add	*104.88*	
		For Elevated Installation >35' To 40', Add	*131.11*	
		For Elevated Installation >40', Add	*144.22*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	119.12	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	135.04	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	150.33	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	176.78	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	229.60	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	308.13	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	372.71	100.70
		For Work In Restricted Working Space, Add	*60.42*	
		For Elevated Installation >10' To 15', Add	*20.14*	
		For Elevated Installation >15' To 20', Add	*40.28*	
		For Elevated Installation >20' To 25', Add	*50.35*	
		For Elevated Installation >25' To 30', Add	*70.49*	
		For Elevated Installation >30' To 35', Add	*80.56*	
		For Elevated Installation >35' To 40', Add	*100.70*	
		For Elevated Installation >40', Add	*110.77*	
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	445.33	131.10
		For Work In Restricted Working Space, Add	*78.66*	
		For Elevated Installation >10' To 15', Add	*26.22*	
		For Elevated Installation >15' To 20', Add	*52.44*	
		For Elevated Installation >20' To 25', Add	*65.55*	
		For Elevated Installation >25' To 30', Add	*91.77*	
		For Elevated Installation >30' To 35', Add	*104.88*	
		For Elevated Installation >35' To 40', Add	*131.11*	
		For Elevated Installation >40', Add	*144.22*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	118.42	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	143.44	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	159.43	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	188.67	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	245.92	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	329.19	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	398.34	100.70
		For Work In Restricted Working Space, Add	*60.42*	
		For Elevated Installation >10' To 15', Add	*20.14*	
		For Elevated Installation >15' To 20', Add	*40.28*	
		For Elevated Installation >20' To 25', Add	*50.35*	
		For Elevated Installation >25' To 30', Add	*70.49*	
		For Elevated Installation >30' To 35', Add	*80.56*	
		For Elevated Installation >35' To 40', Add	*100.70*	
		For Elevated Installation >40', Add	*110.77*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	483.26	131.10
		For Work In Restricted Working Space, Add	*78.66*	
		For Elevated Installation >10' To 15', Add	*26.22*	
		For Elevated Installation >15' To 20', Add	*52.44*	
		For Elevated Installation >20' To 25', Add	*65.55*	
		For Elevated Installation >25' To 30', Add	*91.77*	
		For Elevated Installation >30' To 35', Add	*104.88*	
		For Elevated Installation >35' To 40', Add	*131.11*	
		For Elevated Installation >40', Add	*144.22*	
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	711.43	213.75
		For Work In Restricted Working Space, Add	*128.25*	
		For Elevated Installation >10' To 15', Add	*42.75*	
		For Elevated Installation >15' To 20', Add	*85.50*	
		For Elevated Installation >20' To 25', Add	*106.88*	
		For Elevated Installation >25' To 30', Add	*149.63*	
		For Elevated Installation >30' To 35', Add	*171.00*	
		For Elevated Installation >35' To 40', Add	*213.75*	
		For Elevated Installation >40', Add	*235.13*	

26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	124.57	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	147.58	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	175.36	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	197.95	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	265.27	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	347.20	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	431.44	100.70
		For Work In Restricted Working Space, Add	*60.42*	
		For Elevated Installation >10' To 15', Add	*20.14*	
		For Elevated Installation >15' To 20', Add	*40.28*	
		For Elevated Installation >20' To 25', Add	*50.35*	
		For Elevated Installation >25' To 30', Add	*70.49*	
		For Elevated Installation >30' To 35', Add	*80.56*	
		For Elevated Installation >35' To 40', Add	*100.70*	
		For Elevated Installation >40', Add	*110.77*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	501.11	131.10
		For Work In Restricted Working Space, Add	*78.66*	
		For Elevated Installation >10' To 15', Add	*26.22*	
		For Elevated Installation >15' To 20', Add	*52.44*	
		For Elevated Installation >20' To 25', Add	*65.55*	
		For Elevated Installation >25' To 30', Add	*91.77*	
		For Elevated Installation >30' To 35', Add	*104.88*	
		For Elevated Installation >35' To 40', Add	*131.11*	
		For Elevated Installation >40', Add	*144.22*	
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	857.04	213.75
		For Work In Restricted Working Space, Add	*128.25*	
		For Elevated Installation >10' To 15', Add	*42.75*	
		For Elevated Installation >15' To 20', Add	*85.50*	
		For Elevated Installation >20' To 25', Add	*106.88*	
		For Elevated Installation >25' To 30', Add	*149.63*	
		For Elevated Installation >30' To 35', Add	*171.00*	
		For Elevated Installation >35' To 40', Add	*213.75*	
		For Elevated Installation >40', Add	*235.13*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,114.10	321.11
		For Work In Restricted Working Space, Add	*192.66*	
		For Elevated Installation >10' To 15', Add	*64.22*	
		For Elevated Installation >15' To 20', Add	*128.44*	
		For Elevated Installation >20' To 25', Add	*160.55*	
		For Elevated Installation >25' To 30', Add	*224.77*	
		For Elevated Installation >30' To 35', Add	*256.88*	
		For Elevated Installation >35' To 40', Add	*321.10*	
		For Elevated Installation >40', Add	*353.21*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	133.58	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	158.58	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	187.06	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	210.18	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	280.07	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	373.58	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	457.90	100.70
		For Work In Restricted Working Space, Add	*60.42*	
		For Elevated Installation >10' To 15', Add	*20.14*	
		For Elevated Installation >15' To 20', Add	*40.28*	
		For Elevated Installation >20' To 25', Add	*50.35*	
		For Elevated Installation >25' To 30', Add	*70.49*	
		For Elevated Installation >30' To 35', Add	*80.56*	
		For Elevated Installation >35' To 40', Add	*100.70*	
		For Elevated Installation >40', Add	*110.77*	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	577.25	131.10
		For Work In Restricted Working Space, Add	*78.66*	
		For Elevated Installation >10' To 15', Add	*26.22*	
		For Elevated Installation >15' To 20', Add	*52.44*	
		For Elevated Installation >20' To 25', Add	*65.55*	
		For Elevated Installation >25' To 30', Add	*91.77*	
		For Elevated Installation >30' To 35', Add	*104.88*	
		For Elevated Installation >35' To 40', Add	*131.11*	
		For Elevated Installation >40', Add	*144.22*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	962.08	213.75
		For Work In Restricted Working Space, Add	*128.25*	
		For Elevated Installation >10' To 15', Add	*42.75*	
		For Elevated Installation >15' To 20', Add	*85.50*	
		For Elevated Installation >20' To 25', Add	*106.88*	
		For Elevated Installation >25' To 30', Add	*149.63*	
		For Elevated Installation >30' To 35', Add	*171.00*	
		For Elevated Installation >35' To 40', Add	*213.75*	
		For Elevated Installation >40', Add	*235.13*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,205.06	321.11
		For Work In Restricted Working Space, Add	*192.66*	
		For Elevated Installation >10' To 15', Add	*64.22*	
		For Elevated Installation >15' To 20', Add	*128.44*	
		For Elevated Installation >20' To 25', Add	*160.55*	
		For Elevated Installation >25' To 30', Add	*224.77*	
		For Elevated Installation >30' To 35', Add	*256.88*	
		For Elevated Installation >35' To 40', Add	*321.10*	
		For Elevated Installation >40', Add	*353.21*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	141.08	36.10
		For Work In Restricted Working Space, Add	*21.66*	
		For Elevated Installation >10' To 15', Add	*7.22*	
		For Elevated Installation >15' To 20', Add	*14.44*	
		For Elevated Installation >20' To 25', Add	*18.05*	
		For Elevated Installation >25' To 30', Add	*25.27*	
		For Elevated Installation >30' To 35', Add	*28.88*	
		For Elevated Installation >35' To 40', Add	*36.10*	
		For Elevated Installation >40', Add	*39.71*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	167.06	41.80
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.80*	
		For Elevated Installation >40', Add	*45.98*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	194.45	47.50
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	233.02	52.25
		For Work In Restricted Working Space, Add	*31.35*	
		For Elevated Installation >10' To 15', Add	*10.45*	
		For Elevated Installation >15' To 20', Add	*20.90*	
		For Elevated Installation >20' To 25', Add	*26.13*	
		For Elevated Installation >25' To 30', Add	*36.58*	
		For Elevated Installation >30' To 35', Add	*41.80*	
		For Elevated Installation >35' To 40', Add	*52.25*	
		For Elevated Installation >40', Add	*57.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	307.37	65.55
		For Work In Restricted Working Space, Add	*39.33*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.22*	
		For Elevated Installation >20' To 25', Add	*32.78*	
		For Elevated Installation >25' To 30', Add	*45.89*	
		For Elevated Installation >30' To 35', Add	*52.44*	
		For Elevated Installation >35' To 40', Add	*65.55*	
		For Elevated Installation >40', Add	*72.11*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	400.17	89.30
		For Work In Restricted Working Space, Add	*53.58*	
		For Elevated Installation >10' To 15', Add	*17.86*	
		For Elevated Installation >15' To 20', Add	*35.72*	
		For Elevated Installation >20' To 25', Add	*44.65*	
		For Elevated Installation >25' To 30', Add	*62.51*	
		For Elevated Installation >30' To 35', Add	*71.44*	
		For Elevated Installation >35' To 40', Add	*89.31*	
		For Elevated Installation >40', Add	*98.24*	
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	491.17	100.70
		For Work In Restricted Working Space, Add	*60.42*	
		For Elevated Installation >10' To 15', Add	*20.14*	
		For Elevated Installation >15' To 20', Add	*40.28*	
		For Elevated Installation >20' To 25', Add	*50.35*	
		For Elevated Installation >25' To 30', Add	*70.49*	
		For Elevated Installation >30' To 35', Add	*80.56*	
		For Elevated Installation >35' To 40', Add	*100.70*	
		For Elevated Installation >40', Add	*110.77*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	617.67	131.10
		For Work In Restricted Working Space, Add	*78.66*	
		For Elevated Installation >10' To 15', Add	*26.22*	
		For Elevated Installation >15' To 20', Add	*52.44*	
		For Elevated Installation >20' To 25', Add	*65.55*	
		For Elevated Installation >25' To 30', Add	*91.77*	
		For Elevated Installation >30' To 35', Add	*104.88*	
		For Elevated Installation >35' To 40', Add	*131.11*	
		For Elevated Installation >40', Add	*144.22*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	994.97	213.75
		For Work In Restricted Working Space, Add	*128.25*	
		For Elevated Installation >10' To 15', Add	*42.75*	
		For Elevated Installation >15' To 20', Add	*85.50*	
		For Elevated Installation >20' To 25', Add	*106.88*	
		For Elevated Installation >25' To 30', Add	*149.63*	
		For Elevated Installation >30' To 35', Add	*171.00*	
		For Elevated Installation >35' To 40', Add	*213.75*	
		For Elevated Installation >40', Add	*235.13*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,223.46	321.11
		For Work In Restricted Working Space, Add	*192.66*	
		For Elevated Installation >10' To 15', Add	*64.22*	
		For Elevated Installation >15' To 20', Add	*128.44*	
		For Elevated Installation >20' To 25', Add	*160.55*	
		For Elevated Installation >25' To 30', Add	*224.77*	
		For Elevated Installation >30' To 35', Add	*256.88*	
		For Elevated Installation >35' To 40', Add	*321.10*	
		For Elevated Installation >40', Add	*353.21*	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	19.04	9.32
		For Work In Restricted Working Space, Add	*5.59*	
		For Elevated Installation >10' To 15', Add	*1.86*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.52*	
		For Elevated Installation >30' To 35', Add	*7.45*	
		For Elevated Installation >35' To 40', Add	*9.32*	
		For Elevated Installation >40', Add	*10.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.59*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	20.42	9.94
		For Work In Restricted Working Space, Add	*5.96*	
		For Elevated Installation >10' To 15', Add	*1.99*	
		For Elevated Installation >15' To 20', Add	*3.98*	
		For Elevated Installation >20' To 25', Add	*4.97*	
		For Elevated Installation >25' To 30', Add	*6.96*	
		For Elevated Installation >30' To 35', Add	*7.95*	
		For Elevated Installation >35' To 40', Add	*9.94*	
		For Elevated Installation >40', Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	23.17	11.18
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >10' To 15', Add	*2.24*	
		For Elevated Installation >15' To 20', Add	*4.47*	
		For Elevated Installation >20' To 25', Add	*5.59*	
		For Elevated Installation >25' To 30', Add	*7.83*	
		For Elevated Installation >30' To 35', Add	*8.94*	
		For Elevated Installation >35' To 40', Add	*11.18*	
		For Elevated Installation >40', Add	*12.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.02	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	32.67	15.52
		For Work In Restricted Working Space, Add	*9.32*	
		For Elevated Installation >10' To 15', Add	*3.11*	
		For Elevated Installation >15' To 20', Add	*6.21*	
		For Elevated Installation >20' To 25', Add	*7.77*	
		For Elevated Installation >25' To 30', Add	*10.87*	
		For Elevated Installation >30' To 35', Add	*12.42*	
		For Elevated Installation >35' To 40', Add	*15.53*	
		For Elevated Installation >40', Add	*17.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	40.26	18.63
		For Work In Restricted Working Space, Add	*11.18*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.45*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.04*	
		For Elevated Installation >30' To 35', Add	*14.91*	
		For Elevated Installation >35' To 40', Add	*18.64*	
		For Elevated Installation >40', Add	*20.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.18*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	50.09	21.74
		For Work In Restricted Working Space, Add	*13.05*	
		For Elevated Installation >10' To 15', Add	*4.35*	
		For Elevated Installation >15' To 20', Add	*8.70*	
		For Elevated Installation >20' To 25', Add	*10.87*	
		For Elevated Installation >25' To 30', Add	*15.22*	
		For Elevated Installation >30' To 35', Add	*17.40*	
		For Elevated Installation >35' To 40', Add	*21.75*	
		For Elevated Installation >40', Add	*23.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.05*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	56.65	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	65.56	23.39
		For Work In Restricted Working Space, Add	*16.77*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.18*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.57*	
		For Elevated Installation >30' To 35', Add	*22.36*	
		For Elevated Installation >35' To 40', Add	*27.95*	
		For Elevated Installation >40', Add	*30.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.77*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	72.77	31.06
		For Work In Restricted Working Space, Add	*18.64*	
		For Elevated Installation >10' To 15', Add	*6.21*	
		For Elevated Installation >15' To 20', Add	*12.42*	
		For Elevated Installation >20' To 25', Add	*15.53*	
		For Elevated Installation >25' To 30', Add	*21.74*	
		For Elevated Installation >30' To 35', Add	*24.85*	
		For Elevated Installation >35' To 40', Add	*31.06*	
		For Elevated Installation >40', Add	*34.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.64*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	86.48	34.17
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.67*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.92*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.17*	
		For Elevated Installation >40', Add	*37.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	120.49	37.27
		For Work In Restricted Working Space, Add	*22.36*	
		For Elevated Installation >10' To 15', Add	*7.45*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.09*	
		For Elevated Installation >30' To 35', Add	*29.82*	
		For Elevated Installation >35' To 40', Add	*37.27*	
		For Elevated Installation >40', Add	*41.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.36*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0186		Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*		
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	22.93	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	24.86	11.69
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.70*	
		For Elevated Installation >40', Add	*12.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	28.87	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	32.39	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	41.22	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	48.88	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	66.96	25.57
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	79.19	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	114.18	32.88
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	151.59	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	199.47	40.20
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	288.69	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.31*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.12	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	26.66	11.69
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.70*	
		For Elevated Installation >40', Add	*12.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	31.13	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	36.21	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	45.19	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	55.93	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	76.52	25.57
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	90.40	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	116.27	32.88
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	160.94	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	209.65	40.20
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	292.27	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.31*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	35.18	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	39.36	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	44.78	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	52.88	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	64.17	22.66
		For Work In Restricted Working Space, Add	*13.59*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.33*	
		For Elevated Installation >25' To 30', Add	*15.86*	
		For Elevated Installation >30' To 35', Add	*18.12*	
		For Elevated Installation >35' To 40', Add	*22.66*	
		For Elevated Installation >40', Add	*24.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	80.28	27.04
		For Work In Restricted Working Space, Add	*16.22*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.82*	
		For Elevated Installation >20' To 25', Add	*13.52*	
		For Elevated Installation >25' To 30', Add	*18.93*	
		For Elevated Installation >30' To 35', Add	*21.63*	
		For Elevated Installation >35' To 40', Add	*27.04*	
		For Elevated Installation >40', Add	*29.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.22*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	105.65	31.42
		For Work In Restricted Working Space, Add	*18.86*	
		For Elevated Installation >10' To 15', Add	*6.29*	
		For Elevated Installation >15' To 20', Add	*12.57*	
		For Elevated Installation >20' To 25', Add	*15.71*	
		For Elevated Installation >25' To 30', Add	*22.00*	
		For Elevated Installation >30' To 35', Add	*25.14*	
		For Elevated Installation >35' To 40', Add	*31.43*	
		For Elevated Installation >40', Add	*34.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.86*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	117.24	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	132.42	40.93
		For Work In Restricted Working Space, Add	*24.56*	
		For Elevated Installation >10' To 15', Add	*8.19*	
		For Elevated Installation >15' To 20', Add	*16.37*	
		For Elevated Installation >20' To 25', Add	*20.46*	
		For Elevated Installation >25' To 30', Add	*28.65*	
		For Elevated Installation >30' To 35', Add	*32.74*	
		For Elevated Installation >35' To 40', Add	*40.93*	
		For Elevated Installation >40', Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.56*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	168.02	45.31
		For Work In Restricted Working Space, Add	*27.18*	
		For Elevated Installation >10' To 15', Add	*9.06*	
		For Elevated Installation >15' To 20', Add	*18.12*	
		For Elevated Installation >20' To 25', Add	*22.65*	
		For Elevated Installation >25' To 30', Add	*31.71*	
		For Elevated Installation >30' To 35', Add	*36.24*	
		For Elevated Installation >35' To 40', Add	*45.31*	
		For Elevated Installation >40', Add	*49.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	232.64	49.69
		For Work In Restricted Working Space, Add	*29.82*	
		For Elevated Installation >10' To 15', Add	*9.94*	
		For Elevated Installation >15' To 20', Add	*19.88*	
		For Elevated Installation >20' To 25', Add	*24.85*	
		For Elevated Installation >25' To 30', Add	*34.79*	
		For Elevated Installation >30' To 35', Add	*39.76*	
		For Elevated Installation >35' To 40', Add	*49.70*	
		For Elevated Installation >40', Add	*54.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.82*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	315.02	54.81
		For Work In Restricted Working Space, Add	*32.89*	
		For Elevated Installation >10' To 15', Add	*10.96*	
		For Elevated Installation >15' To 20', Add	*21.92*	
		For Elevated Installation >20' To 25', Add	*27.41*	
		For Elevated Installation >25' To 30', Add	*38.37*	
		For Elevated Installation >30' To 35', Add	*43.85*	
		For Elevated Installation >35' To 40', Add	*54.81*	
		For Elevated Installation >40', Add	*60.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.89*	

26 05 33 13-0225 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0060)*

26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	20.79	6.72
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.34*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.84*	
		For Elevated Installation >30' To 35', Add	*6.67*	
		For Elevated Installation >35' To 40', Add	*8.34*	
		For Elevated Installation >40', Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	25.01	7.74
		For Work In Restricted Working Space, Add	*5.79*	
		For Elevated Installation >10' To 15', Add	*1.93*	
		For Elevated Installation >15' To 20', Add	*3.86*	
		For Elevated Installation >20' To 25', Add	*4.83*	
		For Elevated Installation >25' To 30', Add	*6.76*	
		For Elevated Installation >30' To 35', Add	*7.72*	
		For Elevated Installation >35' To 40', Add	*9.66*	
		For Elevated Installation >40', Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.79*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	32.38	9.36
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.82*	
		For Elevated Installation >25' To 30', Add	*8.15*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	46.78	11.54
		For Work In Restricted Working Space, Add	*8.69*	
		For Elevated Installation >10' To 15', Add	*2.90*	
		For Elevated Installation >15' To 20', Add	*5.79*	
		For Elevated Installation >20' To 25', Add	*7.24*	
		For Elevated Installation >25' To 30', Add	*10.13*	
		For Elevated Installation >30' To 35', Add	*11.58*	
		For Elevated Installation >35' To 40', Add	*14.48*	
		For Elevated Installation >40', Add	*15.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.69*	
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	63.25	15.49
		For Work In Restricted Working Space, Add	*11.63*	
		For Elevated Installation >10' To 15', Add	*3.88*	
		For Elevated Installation >15' To 20', Add	*7.75*	
		For Elevated Installation >20' To 25', Add	*9.69*	
		For Elevated Installation >25' To 30', Add	*13.57*	
		For Elevated Installation >30' To 35', Add	*15.51*	
		For Elevated Installation >35' To 40', Add	*19.39*	
		For Elevated Installation >40', Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	106.08	23.24
		For Work In Restricted Working Space, Add	*17.42*	
		For Elevated Installation >10' To 15', Add	*5.81*	
		For Elevated Installation >15' To 20', Add	*11.61*	
		For Elevated Installation >20' To 25', Add	*14.52*	
		For Elevated Installation >25' To 30', Add	*20.32*	
		For Elevated Installation >30' To 35', Add	*23.23*	
		For Elevated Installation >35' To 40', Add	*29.04*	
		For Elevated Installation >40', Add	*31.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	183.11	25.72
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	218.51	31.13
		For Work In Restricted Working Space, Add	*23.37*	
		For Elevated Installation >10' To 15', Add	*7.79*	
		For Elevated Installation >15' To 20', Add	*15.58*	
		For Elevated Installation >20' To 25', Add	*19.47*	
		For Elevated Installation >25' To 30', Add	*27.26*	
		For Elevated Installation >30' To 35', Add	*31.16*	
		For Elevated Installation >35' To 40', Add	*38.95*	
		For Elevated Installation >40', Add	*42.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.37*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	293.89	39.02
		For Work In Restricted Working Space, Add	*29.25*	
		For Elevated Installation >10' To 15', Add	*9.75*	
		For Elevated Installation >15' To 20', Add	*19.50*	
		For Elevated Installation >20' To 25', Add	*24.38*	
		For Elevated Installation >25' To 30', Add	*34.13*	
		For Elevated Installation >30' To 35', Add	*39.00*	
		For Elevated Installation >35' To 40', Add	*48.75*	
		For Elevated Installation >40', Add	*53.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.25*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	344.84	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	590.59	52.03
		For Work In Restricted Working Space, Add	*38.98*	
		For Elevated Installation >10' To 15', Add	*12.99*	
		For Elevated Installation >15' To 20', Add	*25.99*	
		For Elevated Installation >20' To 25', Add	*32.48*	
		For Elevated Installation >25' To 30', Add	*45.48*	
		For Elevated Installation >30' To 35', Add	*51.97*	
		For Elevated Installation >35' To 40', Add	*64.97*	
		For Elevated Installation >40', Add	*71.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.98*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	703.76	58.46
		For Work In Restricted Working Space, Add	*43.84*	
		For Elevated Installation >10' To 15', Add	*14.61*	
		For Elevated Installation >15' To 20', Add	*29.22*	
		For Elevated Installation >20' To 25', Add	*36.53*	
		For Elevated Installation >25' To 30', Add	*51.14*	
		For Elevated Installation >30' To 35', Add	*58.45*	
		For Elevated Installation >35' To 40', Add	*73.06*	
		For Elevated Installation >40', Add	*80.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.84*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	20.81	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	23.97	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	30.64	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	35.80	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	40.86	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.96	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.20	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.89	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	36.14	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	41.41	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	46.82	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.19*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.33*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.47*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	21.12	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	24.41	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.24	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	36.45	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	41.79	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	47.73	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	63.75	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	85.98	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.32	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.52	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	31.71	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	37.04	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	42.57	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	48.68	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	66.32	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	88.20	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	21.52	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	24.87	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	31.99	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	37.33	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	43.10	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	49.48	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	67.10	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	89.84	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	103.19	38.73
		For Work In Restricted Working Space, Add	*23.24*	
		For Elevated Installation >10' To 15', Add	*7.75*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.11*	
		For Elevated Installation >30' To 35', Add	*30.98*	
		For Elevated Installation >35' To 40', Add	*38.73*	
		For Elevated Installation >40', Add	*42.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	129.74	50.43
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	21.82	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	25.31	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	32.56	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	38.15	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	43.90	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	50.91	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	70.27	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	93.28	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	106.61	38.73
		For Work In Restricted Working Space, Add	*23.24*	
		For Elevated Installation >10' To 15', Add	*7.75*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.11*	
		For Elevated Installation >30' To 35', Add	*30.98*	
		For Elevated Installation >35' To 40', Add	*38.73*	
		For Elevated Installation >40', Add	*42.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	134.73	50.43
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	204.62	69.42
		For Work In Restricted Working Space, Add	*41.65*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.77*	
		For Elevated Installation >20' To 25', Add	*34.71*	
		For Elevated Installation >25' To 30', Add	*48.59*	
		For Elevated Installation >30' To 35', Add	*55.54*	
		For Elevated Installation >35' To 40', Add	*69.42*	
		For Elevated Installation >40', Add	*76.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	260.11	89.01
		For Work In Restricted Working Space, Add	*53.44*	
		For Elevated Installation >10' To 15', Add	*17.81*	
		For Elevated Installation >15' To 20', Add	*35.63*	
		For Elevated Installation >20' To 25', Add	*44.53*	
		For Elevated Installation >25' To 30', Add	*62.35*	
		For Elevated Installation >30' To 35', Add	*71.25*	
		For Elevated Installation >35' To 40', Add	*89.07*	
		For Elevated Installation >40', Add	*97.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.44*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	22.37	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	25.87	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	33.01	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	38.90	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	45.59	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	52.35	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	73.05	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	96.76	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	110.77	38.73
		For Work In Restricted Working Space, Add	*23.24*	
		For Elevated Installation >10' To 15', Add	*7.75*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.11*	
		For Elevated Installation >30' To 35', Add	*30.98*	
		For Elevated Installation >35' To 40', Add	*38.73*	
		For Elevated Installation >40', Add	*42.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	138.69	50.43
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	210.41	69.42
		For Work In Restricted Working Space, Add	*41.65*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.77*	
		For Elevated Installation >20' To 25', Add	*34.71*	
		For Elevated Installation >25' To 30', Add	*48.59*	
		For Elevated Installation >30' To 35', Add	*55.54*	
		For Elevated Installation >35' To 40', Add	*69.42*	
		For Elevated Installation >40', Add	*76.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	268.59	89.01
		For Work In Restricted Working Space, Add	*53.44*	
		For Elevated Installation >10' To 15', Add	*17.81*	
		For Elevated Installation >15' To 20', Add	*35.63*	
		For Elevated Installation >20' To 25', Add	*44.53*	
		For Elevated Installation >25' To 30', Add	*62.35*	
		For Elevated Installation >30' To 35', Add	*71.25*	
		For Elevated Installation >35' To 40', Add	*89.07*	
		For Elevated Installation >40', Add	*97.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.44*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	24.38	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	28.44	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	36.03	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	43.21	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	50.39	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	57.40	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	80.41	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	105.22	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	119.20	38.73
		For Work In Restricted Working Space, Add	*23.24*	
		For Elevated Installation >10' To 15', Add	*7.75*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.11*	
		For Elevated Installation >30' To 35', Add	*30.98*	
		For Elevated Installation >35' To 40', Add	*38.73*	
		For Elevated Installation >40', Add	*42.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	148.00	50.43
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	223.85	69.42
		For Work In Restricted Working Space, Add	*41.65*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.77*	
		For Elevated Installation >20' To 25', Add	*34.71*	
		For Elevated Installation >25' To 30', Add	*48.59*	
		For Elevated Installation >30' To 35', Add	*55.54*	
		For Elevated Installation >35' To 40', Add	*69.42*	
		For Elevated Installation >40', Add	*76.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	283.68	89.01
		For Work In Restricted Working Space, Add	*53.44*	
		For Elevated Installation >10' To 15', Add	*17.81*	
		For Elevated Installation >15' To 20', Add	*35.63*	
		For Elevated Installation >20' To 25', Add	*44.53*	
		For Elevated Installation >25' To 30', Add	*62.35*	
		For Elevated Installation >30' To 35', Add	*71.25*	
		For Elevated Installation >35' To 40', Add	*89.07*	
		For Elevated Installation >40', Add	*97.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.44*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	25.73	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	29.75	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	38.43	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	46.06	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	53.20	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	60.66	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	85.36	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	111.87	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	127.96	38.73
		For Work In Restricted Working Space, Add	*23.24*	
		For Elevated Installation >10' To 15', Add	*7.75*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.11*	
		For Elevated Installation >30' To 35', Add	*30.98*	
		For Elevated Installation >35' To 40', Add	*38.73*	
		For Elevated Installation >40', Add	*42.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	159.09	50.43
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	238.51	69.42
		For Work In Restricted Working Space, Add	*41.65*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.77*	
		For Elevated Installation >20' To 25', Add	*34.71*	
		For Elevated Installation >25' To 30', Add	*48.59*	
		For Elevated Installation >30' To 35', Add	*55.54*	
		For Elevated Installation >35' To 40', Add	*69.42*	
		For Elevated Installation >40', Add	*76.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	310.05	89.01
		For Work In Restricted Working Space, Add	*53.44*	
		For Elevated Installation >10' To 15', Add	*17.81*	
		For Elevated Installation >15' To 20', Add	*35.63*	
		For Elevated Installation >20' To 25', Add	*44.53*	
		For Elevated Installation >25' To 30', Add	*62.35*	
		For Elevated Installation >30' To 35', Add	*71.25*	
		For Elevated Installation >35' To 40', Add	*89.07*	
		For Elevated Installation >40', Add	*97.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.44*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	26.76	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	30.72	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	39.87	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	48.35	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	54.61	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	63.40	20.46
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.32*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.46*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	91.18	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	121.11	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	136.48	38.73
		For Work In Restricted Working Space, Add	*23.24*	
		For Elevated Installation >10' To 15', Add	*7.75*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.11*	
		For Elevated Installation >30' To 35', Add	*30.98*	
		For Elevated Installation >35' To 40', Add	*38.73*	
		For Elevated Installation >40', Add	*42.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	170.19	50.43
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	259.57	69.42
		For Work In Restricted Working Space, Add	*41.65*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.77*	
		For Elevated Installation >20' To 25', Add	*34.71*	
		For Elevated Installation >25' To 30', Add	*48.59*	
		For Elevated Installation >30' To 35', Add	*55.54*	
		For Elevated Installation >35' To 40', Add	*69.42*	
		For Elevated Installation >40', Add	*76.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	324.70	89.01
		For Work In Restricted Working Space, Add	*53.44*	
		For Elevated Installation >10' To 15', Add	*17.81*	
		For Elevated Installation >15' To 20', Add	*35.63*	
		For Elevated Installation >20' To 25', Add	*44.53*	
		For Elevated Installation >25' To 30', Add	*62.35*	
		For Elevated Installation >30' To 35', Add	*71.25*	
		For Elevated Installation >35' To 40', Add	*89.07*	
		For Elevated Installation >40', Add	*97.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.44*	

26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*

26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	21.34	7.60
		For Work In Restricted Working Space, Add	*5.75*	
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.83*	
		For Elevated Installation >20' To 25', Add	*4.79*	
		For Elevated Installation >25' To 30', Add	*6.70*	
		For Elevated Installation >30' To 35', Add	*7.66*	
		For Elevated Installation >35' To 40', Add	*9.58*	
		For Elevated Installation >40', Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.75*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	25.15	8.77
		For Work In Restricted Working Space, Add	*6.54*	
		For Elevated Installation >10' To 15', Add	*2.18*	
		For Elevated Installation >15' To 20', Add	*4.36*	
		For Elevated Installation >20' To 25', Add	*5.45*	
		For Elevated Installation >25' To 30', Add	*7.63*	
		For Elevated Installation >30' To 35', Add	*8.72*	
		For Elevated Installation >35' To 40', Add	*10.90*	
		For Elevated Installation >40', Add	*11.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.54*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	31.71	11.11
		For Work In Restricted Working Space, Add	*8.36*	
		For Elevated Installation >10' To 15', Add	*2.79*	
		For Elevated Installation >15' To 20', Add	*5.58*	
		For Elevated Installation >20' To 25', Add	*6.97*	
		For Elevated Installation >25' To 30', Add	*9.76*	
		For Elevated Installation >30' To 35', Add	*11.15*	
		For Elevated Installation >35' To 40', Add	*13.94*	
		For Elevated Installation >40', Add	*15.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	39.60	13.30
		For Work In Restricted Working Space, Add	*10.03*	
		For Elevated Installation >10' To 15', Add	*3.34*	
		For Elevated Installation >15' To 20', Add	*6.68*	
		For Elevated Installation >20' To 25', Add	*8.36*	
		For Elevated Installation >25' To 30', Add	*11.70*	
		For Elevated Installation >30' To 35', Add	*13.37*	
		For Elevated Installation >35' To 40', Add	*16.71*	
		For Elevated Installation >40', Add	*18.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.03*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	43.35	14.61
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.80*	
		For Elevated Installation >30' To 35', Add	*14.63*	
		For Elevated Installation >35' To 40', Add	*18.29*	
		For Elevated Installation >40', Add	*20.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	55.81	17.98
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.01*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.02*	
		For Elevated Installation >35' To 40', Add	*22.52*	
		For Elevated Installation >40', Add	*24.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.51*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	91.01	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.61*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.57*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	141.59	40.34
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	173.49	47.65
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	206.64	54.96
		For Work In Restricted Working Space, Add	*41.22*	
		For Elevated Installation >10' To 15', Add	*13.74*	
		For Elevated Installation >15' To 20', Add	*27.48*	
		For Elevated Installation >20' To 25', Add	*34.35*	
		For Elevated Installation >25' To 30', Add	*48.09*	
		For Elevated Installation >30' To 35', Add	*54.96*	
		For Elevated Installation >35' To 40', Add	*68.71*	
		For Elevated Installation >40', Add	*75.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.22*	
26 05 33 13-0347		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*		
		Note: Erickson fittings.		
26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	61.30	23.39
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.71*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.49*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.27*	
		For Elevated Installation >40', Add	*32.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	68.87	26.17
		For Work In Restricted Working Space, Add	*19.60*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.06*	
		For Elevated Installation >20' To 25', Add	*16.33*	
		For Elevated Installation >25' To 30', Add	*22.86*	
		For Elevated Installation >30' To 35', Add	*26.13*	
		For Elevated Installation >35' To 40', Add	*32.66*	
		For Elevated Installation >40', Add	*35.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.60*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	79.32	29.08
		For Work In Restricted Working Space, Add	*21.83*	
		For Elevated Installation >10' To 15', Add	*7.28*	
		For Elevated Installation >15' To 20', Add	*14.55*	
		For Elevated Installation >20' To 25', Add	*18.19*	
		For Elevated Installation >25' To 30', Add	*25.47*	
		For Elevated Installation >30' To 35', Add	*29.11*	
		For Elevated Installation >35' To 40', Add	*36.39*	
		For Elevated Installation >40', Add	*40.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.83*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	93.61	31.86
		For Work In Restricted Working Space, Add	*23.89*	
		For Elevated Installation >10' To 15', Add	*7.96*	
		For Elevated Installation >15' To 20', Add	*15.93*	
		For Elevated Installation >20' To 25', Add	*19.91*	
		For Elevated Installation >25' To 30', Add	*27.87*	
		For Elevated Installation >30' To 35', Add	*31.85*	
		For Elevated Installation >35' To 40', Add	*39.82*	
		For Elevated Installation >40', Add	*43.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.89*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	103.87	34.78
		For Work In Restricted Working Space, Add	*26.14*	
		For Elevated Installation >10' To 15', Add	*8.71*	
		For Elevated Installation >15' To 20', Add	*17.42*	
		For Elevated Installation >20' To 25', Add	*21.78*	
		For Elevated Installation >25' To 30', Add	*30.49*	
		For Elevated Installation >30' To 35', Add	*34.85*	
		For Elevated Installation >35' To 40', Add	*43.56*	
		For Elevated Installation >40', Add	*47.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.14*	
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	127.89	37.71
		For Work In Restricted Working Space, Add	*28.30*	
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.59*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.74*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	194.64	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	264.10	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	371.91	70.15
		For Work In Restricted Working Space, Add	*52.64*	
		For Elevated Installation >10' To 15', Add	*17.55*	
		For Elevated Installation >15' To 20', Add	*35.09*	
		For Elevated Installation >20' To 25', Add	*43.86*	
		For Elevated Installation >25' To 30', Add	*61.41*	
		For Elevated Installation >30' To 35', Add	*70.18*	
		For Elevated Installation >35' To 40', Add	*87.73*	
		For Elevated Installation >40', Add	*96.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.64*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	421.01	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	707.98	93.54
		For Work In Restricted Working Space, Add	*70.15*	
		For Elevated Installation >10' To 15', Add	*23.38*	
		For Elevated Installation >15' To 20', Add	*46.76*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.84*	
		For Elevated Installation >30' To 35', Add	*93.53*	
		For Elevated Installation >35' To 40', Add	*116.91*	
		For Elevated Installation >40', Add	*128.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.15*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	902.38	108.15
		For Work In Restricted Working Space, Add	*81.11*	
		For Elevated Installation >10' To 15', Add	*27.04*	
		For Elevated Installation >15' To 20', Add	*54.07*	
		For Elevated Installation >20' To 25', Add	*67.59*	
		For Elevated Installation >25' To 30', Add	*94.63*	
		For Elevated Installation >30' To 35', Add	*108.14*	
		For Elevated Installation >35' To 40', Add	*135.18*	
		For Elevated Installation >40', Add	*148.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.11*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	35.11	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	39.10	12.86
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	44.83	14.61
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.28*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	50.38	15.79
		For Work In Restricted Working Space, Add	*11.84*	
		For Elevated Installation >10' To 15', Add	*3.95*	
		For Elevated Installation >15' To 20', Add	*7.89*	
		For Elevated Installation >20' To 25', Add	*9.86*	
		For Elevated Installation >25' To 30', Add	*13.81*	
		For Elevated Installation >30' To 35', Add	*15.78*	
		For Elevated Installation >35' To 40', Add	*19.73*	
		For Elevated Installation >40', Add	*21.70*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	59.08	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	70.76	19.30
		For Work In Restricted Working Space, Add	*14.47*	
		For Elevated Installation >10' To 15', Add	*4.82*	
		For Elevated Installation >15' To 20', Add	*9.65*	
		For Elevated Installation >20' To 25', Add	*12.06*	
		For Elevated Installation >25' To 30', Add	*16.88*	
		For Elevated Installation >30' To 35', Add	*19.30*	
		For Elevated Installation >35' To 40', Add	*24.12*	
		For Elevated Installation >40', Add	*26.53*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	94.55	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	117.12	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	140.67	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	157.92	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	31.19	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	34.74	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	43.00	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	52.63	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	68.11	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	78.66	32.88
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	94.97	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	126.40	46.04
		For Work In Restricted Working Space, Add	*27.62*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.42*	
		For Elevated Installation >20' To 25', Add	*23.02*	
		For Elevated Installation >25' To 30', Add	*32.23*	
		For Elevated Installation >30' To 35', Add	*36.83*	
		For Elevated Installation >35' To 40', Add	*46.04*	
		For Elevated Installation >40', Add	*50.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.62*	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	150.48	55.54
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15', Add	*11.11*	
		For Elevated Installation >15' To 20', Add	*22.22*	
		For Elevated Installation >20' To 25', Add	*27.77*	
		For Elevated Installation >25' To 30', Add	*38.88*	
		For Elevated Installation >30' To 35', Add	*44.43*	
		For Elevated Installation >35' To 40', Add	*55.54*	
		For Elevated Installation >40', Add	*61.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.32*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	183.49	65.77
		For Work In Restricted Working Space, Add	*39.46*	
		For Elevated Installation >10' To 15', Add	*13.15*	
		For Elevated Installation >15' To 20', Add	*26.31*	
		For Elevated Installation >20' To 25', Add	*32.89*	
		For Elevated Installation >25' To 30', Add	*46.04*	
		For Elevated Installation >30' To 35', Add	*52.62*	
		For Elevated Installation >35' To 40', Add	*65.77*	
		For Elevated Installation >40', Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.46*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	134.34	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.39*	
		For Elevated Installation >35' To 40', Add	*29.24*	
		For Elevated Installation >40', Add	*32.16*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	152.38	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	179.63	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	218.40	32.15
		For Work In Restricted Working Space, Add	*24.12*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.14*	
		For Elevated Installation >30' To 35', Add	*32.16*	
		For Elevated Installation >35' To 40', Add	*40.20*	
		For Elevated Installation >40', Add	*44.21*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	272.13	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	371.64	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.24*	
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	564.15	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	722.15	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,047.66	70.15
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.47*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,117.31	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,701.49	93.54
		For Work In Restricted Working Space, Add	*70.16*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.77*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.85*	
		For Elevated Installation >30' To 35', Add	*93.54*	
		For Elevated Installation >35' To 40', Add	*116.93*	
		For Elevated Installation >40', Add	*128.62*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,085.35	103.77
		For Work In Restricted Working Space, Add	*77.87*	
		For Elevated Installation >10' To 15', Add	*25.96*	
		For Elevated Installation >15' To 20', Add	*51.91*	
		For Elevated Installation >20' To 25', Add	*64.89*	
		For Elevated Installation >25' To 30', Add	*90.85*	
		For Elevated Installation >30' To 35', Add	*103.83*	
		For Elevated Installation >35' To 40', Add	*129.79*	
		For Elevated Installation >40', Add	*142.76*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	147.02	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.39*	
		For Elevated Installation >35' To 40', Add	*29.24*	
		For Elevated Installation >40', Add	*32.16*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	163.61	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	197.26	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	246.17	32.15
		For Work In Restricted Working Space, Add	*24.12*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.14*	
		For Elevated Installation >30' To 35', Add	*32.16*	
		For Elevated Installation >35' To 40', Add	*40.20*	
		For Elevated Installation >40', Add	*44.21*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	327.31	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	398.01	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.24*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	735.08	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	838.87	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,278.32	70.15
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.47*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,383.91	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,926.22	93.54
		For Work In Restricted Working Space, Add	*70.16*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.77*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.85*	
		For Elevated Installation >30' To 35', Add	*93.54*	
		For Elevated Installation >35' To 40', Add	*116.93*	
		For Elevated Installation >40', Add	*128.62*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,374.48	103.77
		For Work In Restricted Working Space, Add	*77.87*	
		For Elevated Installation >10' To 15', Add	*25.96*	
		For Elevated Installation >15' To 20', Add	*51.91*	
		For Elevated Installation >20' To 25', Add	*64.89*	
		For Elevated Installation >25' To 30', Add	*90.85*	
		For Elevated Installation >30' To 35', Add	*103.83*	
		For Elevated Installation >35' To 40', Add	*129.79*	
		For Elevated Installation >40', Add	*142.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0408		Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*		
		Note: Type EX		
26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	165.58	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.39*	
		For Elevated Installation >35' To 40', Add	*29.24*	
		For Elevated Installation >40', Add	*32.16*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	207.38	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	256.38	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	310.19	32.15
		For Work In Restricted Working Space, Add	*24.12*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.14*	
		For Elevated Installation >30' To 35', Add	*32.16*	
		For Elevated Installation >35' To 40', Add	*40.20*	
		For Elevated Installation >40', Add	*44.21*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	413.99	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	565.52	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.24*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	872.99	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,174.66	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,755.92	70.15
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,818.94	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,728.12	93.54
		For Work In Restricted Working Space, Add	*70.16*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.77*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.85*	
		For Elevated Installation >30' To 35', Add	*93.54*	
		For Elevated Installation >35' To 40', Add	*116.93*	
		For Elevated Installation >40', Add	*128.62*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,376.60	103.77
		For Work In Restricted Working Space, Add	*77.87*	
		For Elevated Installation >10' To 15', Add	*25.96*	
		For Elevated Installation >15' To 20', Add	*51.91*	
		For Elevated Installation >20' To 25', Add	*64.89*	
		For Elevated Installation >25' To 30', Add	*90.85*	
		For Elevated Installation >30' To 35', Add	*103.83*	
		For Elevated Installation >35' To 40', Add	*129.79*	
		For Elevated Installation >40', Add	*142.76*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	280.05	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.39*	
		For Elevated Installation >35' To 40', Add	*29.24*	
		For Elevated Installation >40', Add	*32.16*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	332.91	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	401.25	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	470.70	32.15
		For Work In Restricted Working Space, Add	*24.12*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.14*	
		For Elevated Installation >30' To 35', Add	*32.16*	
		For Elevated Installation >35' To 40', Add	*40.20*	
		For Elevated Installation >40', Add	*44.21*	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	520.30	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	640.59	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	845.12	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,071.38	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,207.51	70.15
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.47*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,460.10	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,480.67	93.54
		For Work In Restricted Working Space, Add	*70.16*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.77*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.85*	
		For Elevated Installation >30' To 35', Add	*93.54*	
		For Elevated Installation >35' To 40', Add	*116.93*	
		For Elevated Installation >40', Add	*128.62*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,923.82	103.77
		For Work In Restricted Working Space, Add	*77.87*	
		For Elevated Installation >10' To 15', Add	*25.96*	
		For Elevated Installation >15' To 20', Add	*51.91*	
		For Elevated Installation >20' To 25', Add	*64.89*	
		For Elevated Installation >25' To 30', Add	*90.85*	
		For Elevated Installation >30' To 35', Add	*103.83*	
		For Elevated Installation >35' To 40', Add	*129.79*	
		For Elevated Installation >40', Add	*142.76*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	74.91	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	86.85	14.61
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.28*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	106.84	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	149.49	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	226.33	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.70*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.24*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	380.32	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	82.74	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	96.74	14.61
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.28*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	115.90	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	161.51	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	242.28	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.70*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.24*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	431.75	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	113.85	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	135.58	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.31*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	163.85	51.16
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	191.67	58.46
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	244.06	65.77
		For Work In Restricted Working Space, Add	*39.46*	
		For Elevated Installation >10' To 15', Add	*13.15*	
		For Elevated Installation >15' To 20', Add	*26.31*	
		For Elevated Installation >20' To 25', Add	*32.89*	
		For Elevated Installation >25' To 30', Add	*46.04*	
		For Elevated Installation >30' To 35', Add	*52.62*	
		For Elevated Installation >35' To 40', Add	*65.77*	
		For Elevated Installation >40', Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.46*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	291.93	73.08
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	401.89	87.69
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.62*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	481.30	102.31
		For Work In Restricted Working Space, Add	*61.39*	
		For Elevated Installation >10' To 15', Add	*20.46*	
		For Elevated Installation >15' To 20', Add	*40.92*	
		For Elevated Installation >20' To 25', Add	*51.16*	
		For Elevated Installation >25' To 30', Add	*71.62*	
		For Elevated Installation >30' To 35', Add	*81.85*	
		For Elevated Installation >35' To 40', Add	*102.31*	
		For Elevated Installation >40', Add	*112.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.39*	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,031.82	116.93
		For Work In Restricted Working Space, Add	*70.16*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.77*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.85*	
		For Elevated Installation >30' To 35', Add	*93.54*	
		For Elevated Installation >35' To 40', Add	*116.93*	
		For Elevated Installation >40', Add	*128.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,186.61	131.54
		For Work In Restricted Working Space, Add	*78.92*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.23*	
		For Elevated Installation >35' To 40', Add	*131.54*	
		For Elevated Installation >40', Add	*144.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.92*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	18.99	8.77
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	26.66	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	34.92	16.08
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	40.04	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	48.23	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	56.22	24.84
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.85*	
		For Elevated Installation >40', Add	*27.33*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	70.20	27.77
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.22*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.55*	
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	81.91	31.42
		For Work In Restricted Working Space, Add	*18.86*	
		For Elevated Installation >10' To 15', Add	*6.29*	
		For Elevated Installation >15' To 20', Add	*12.57*	
		For Elevated Installation >20' To 25', Add	*15.71*	
		For Elevated Installation >25' To 30', Add	*22.00*	
		For Elevated Installation >30' To 35', Add	*25.14*	
		For Elevated Installation >35' To 40', Add	*31.43*	
		For Elevated Installation >40', Add	*34.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	94.44	34.35
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.04*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.35*	
		For Elevated Installation >40', Add	*37.78*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	99.90	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	4.20	1.46
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	5.86	2.20
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	9.75	3.65
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	14.04	5.11
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	16.72	5.85
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	19.57	6.58

26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0060)*

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	206.78	17.74
		For Work In Restricted Working Space, Add	*13.30*	
		For Elevated Installation >10' To 15', Add	*4.43*	
		For Elevated Installation >15' To 20', Add	*8.87*	
		For Elevated Installation >20' To 25', Add	*11.09*	
		For Elevated Installation >25' To 30', Add	*15.52*	
		For Elevated Installation >30' To 35', Add	*17.74*	
		For Elevated Installation >35' To 40', Add	*22.17*	
		For Elevated Installation >40', Add	*24.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	211.06	19.44
		For Work In Restricted Working Space, Add	*14.59*	
		For Elevated Installation >10' To 15', Add	*4.86*	
		For Elevated Installation >15' To 20', Add	*9.72*	
		For Elevated Installation >20' To 25', Add	*12.16*	
		For Elevated Installation >25' To 30', Add	*17.02*	
		For Elevated Installation >30' To 35', Add	*19.45*	
		For Elevated Installation >35' To 40', Add	*24.31*	
		For Elevated Installation >40', Add	*26.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.59*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	252.05	21.34
		For Work In Restricted Working Space, Add	*15.97*	
		For Elevated Installation >10' To 15', Add	*5.32*	
		For Elevated Installation >15' To 20', Add	*10.65*	
		For Elevated Installation >20' To 25', Add	*13.31*	
		For Elevated Installation >25' To 30', Add	*18.63*	
		For Elevated Installation >30' To 35', Add	*21.30*	
		For Elevated Installation >35' To 40', Add	*26.62*	
		For Elevated Installation >40', Add	*29.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.97*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	276.72	23.39
		For Work In Restricted Working Space, Add	*17.55*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.40*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.55*	
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	315.50	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	461.05	29.23
		For Work In Restricted Working Space, Add	*21.94*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.28*	
		For Elevated Installation >25' To 30', Add	*25.59*	
		For Elevated Installation >30' To 35', Add	*29.25*	
		For Elevated Installation >35' To 40', Add	*36.56*	
		For Elevated Installation >40', Add	*40.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	533.91	39.02
		For Work In Restricted Working Space, Add	*29.25*	
		For Elevated Installation >10' To 15', Add	*9.75*	
		For Elevated Installation >15' To 20', Add	*19.50*	
		For Elevated Installation >20' To 25', Add	*24.37*	
		For Elevated Installation >25' To 30', Add	*34.12*	
		For Elevated Installation >30' To 35', Add	*39.00*	
		For Elevated Installation >35' To 40', Add	*48.75*	
		For Elevated Installation >40', Add	*53.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.25*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	592.04	42.82
		For Work In Restricted Working Space, Add	*32.14*	
		For Elevated Installation >10' To 15', Add	*10.71*	
		For Elevated Installation >15' To 20', Add	*21.43*	
		For Elevated Installation >20' To 25', Add	*26.78*	
		For Elevated Installation >25' To 30', Add	*37.50*	
		For Elevated Installation >30' To 35', Add	*42.85*	
		For Elevated Installation >35' To 40', Add	*53.57*	
		For Elevated Installation >40', Add	*58.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.14*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	686.72	46.77
		For Work In Restricted Working Space, Add	*35.09*	
		For Elevated Installation >10' To 15', Add	*11.70*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.24*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.78*	
		For Elevated Installation >35' To 40', Add	*58.48*	
		For Elevated Installation >40', Add	*64.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.09*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	774.04	52.61
		For Work In Restricted Working Space, Add	*39.46*	
		For Elevated Installation >10' To 15', Add	*13.15*	
		For Elevated Installation >15' To 20', Add	*26.31*	
		For Elevated Installation >20' To 25', Add	*32.89*	
		For Elevated Installation >25' To 30', Add	*46.04*	
		For Elevated Installation >30' To 35', Add	*52.62*	
		For Elevated Installation >35' To 40', Add	*65.77*	
		For Elevated Installation >40', Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.46*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,031.10	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,277.52	64.90
		For Work In Restricted Working Space, Add	*48.67*	
		For Elevated Installation >10' To 15', Add	*16.22*	
		For Elevated Installation >15' To 20', Add	*32.45*	
		For Elevated Installation >20' To 25', Add	*40.56*	
		For Elevated Installation >25' To 30', Add	*56.78*	
		For Elevated Installation >30' To 35', Add	*64.89*	
		For Elevated Installation >35' To 40', Add	*81.12*	
		For Elevated Installation >40', Add	*89.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.67*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	23.65	11.32
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15', Add	*2.27*	
		For Elevated Installation >15' To 20', Add	*4.53*	
		For Elevated Installation >20' To 25', Add	*5.67*	
		For Elevated Installation >25' To 30', Add	*7.93*	
		For Elevated Installation >30' To 35', Add	*9.06*	
		For Elevated Installation >35' To 40', Add	*11.33*	
		For Elevated Installation >40', Add	*12.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	25.94	12.05
		For Work In Restricted Working Space, Add	*7.24*	
		For Elevated Installation >10' To 15', Add	*2.41*	
		For Elevated Installation >15' To 20', Add	*4.82*	
		For Elevated Installation >20' To 25', Add	*6.03*	
		For Elevated Installation >25' To 30', Add	*8.44*	
		For Elevated Installation >30' To 35', Add	*9.65*	
		For Elevated Installation >35' To 40', Add	*12.06*	
		For Elevated Installation >40', Add	*13.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.66	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	30.29	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.95*	
		For Elevated Installation >30' To 35', Add	*10.23*	
		For Elevated Installation >35' To 40', Add	*12.79*	
		For Elevated Installation >40', Add	*14.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	31.03	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	32.49	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	34.95	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	35.69	14.98
		For Work In Restricted Working Space, Add	*8.99*	
		For Elevated Installation >10' To 15', Add	*3.00*	
		For Elevated Installation >15' To 20', Add	*5.99*	
		For Elevated Installation >20' To 25', Add	*7.49*	
		For Elevated Installation >25' To 30', Add	*10.49*	
		For Elevated Installation >30' To 35', Add	*11.99*	
		For Elevated Installation >35' To 40', Add	*14.99*	
		For Elevated Installation >40', Add	*16.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.99*	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	37.14	15.72
		For Work In Restricted Working Space, Add	*9.43*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.28*	
		For Elevated Installation >20' To 25', Add	*7.86*	
		For Elevated Installation >25' To 30', Add	*11.00*	
		For Elevated Installation >30' To 35', Add	*12.57*	
		For Elevated Installation >35' To 40', Add	*15.71*	
		For Elevated Installation >40', Add	*17.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.43*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	38.60	16.45
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.58*	
		For Elevated Installation >20' To 25', Add	*8.22*	
		For Elevated Installation >25' To 30', Add	*11.51*	
		For Elevated Installation >30' To 35', Add	*13.15*	
		For Elevated Installation >35' To 40', Add	*16.44*	
		For Elevated Installation >40', Add	*18.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	45.44	16.45
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.58*	
		For Elevated Installation >20' To 25', Add	*8.22*	
		For Elevated Installation >25' To 30', Add	*11.51*	
		For Elevated Installation >30' To 35', Add	*13.15*	
		For Elevated Installation >35' To 40', Add	*16.44*	
		For Elevated Installation >40', Add	*18.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	46.18	16.81
		For Work In Restricted Working Space, Add	*10.09*	
		For Elevated Installation >10' To 15', Add	*3.36*	
		For Elevated Installation >15' To 20', Add	*6.72*	
		For Elevated Installation >20' To 25', Add	*8.41*	
		For Elevated Installation >25' To 30', Add	*11.77*	
		For Elevated Installation >30' To 35', Add	*13.45*	
		For Elevated Installation >35' To 40', Add	*16.81*	
		For Elevated Installation >40', Add	*18.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	47.64	17.54
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.03*	
		For Elevated Installation >35' To 40', Add	*17.54*	
		For Elevated Installation >40', Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	49.10	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	52.76	20.10
		For Work In Restricted Working Space, Add	*12.06*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.04*	
		For Elevated Installation >20' To 25', Add	*10.05*	
		For Elevated Installation >25' To 30', Add	*14.07*	
		For Elevated Installation >30' To 35', Add	*16.08*	
		For Elevated Installation >35' To 40', Add	*20.10*	
		For Elevated Installation >40', Add	*22.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.06*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	66.11	23.75
		For Work In Restricted Working Space, Add	*14.25*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.50*	
		For Elevated Installation >20' To 25', Add	*11.88*	
		For Elevated Installation >25' To 30', Add	*16.63*	
		For Elevated Installation >30' To 35', Add	*19.00*	
		For Elevated Installation >35' To 40', Add	*23.75*	
		For Elevated Installation >40', Add	*26.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.25*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	3.01	1.46
		For Work In Restricted Working Space, Add	*0.88*	
		For Elevated Installation >10' To 15', Add	*0.29*	
		For Elevated Installation >15' To 20', Add	*0.58*	
		For Elevated Installation >20' To 25', Add	*0.73*	
		For Elevated Installation >25' To 30', Add	*1.02*	
		For Elevated Installation >30' To 35', Add	*1.17*	
		For Elevated Installation >35' To 40', Add	*1.46*	
		For Elevated Installation >40', Add	*1.61*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	4.51	2.20
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	7.52	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	10.58	5.11
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	12.14	5.85
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.68*	
		For Elevated Installation >35' To 40', Add	*5.85*	
		For Elevated Installation >40', Add	*6.43*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	13.72	6.58
		For Work In Restricted Working Space, Add	*3.95*	
		For Elevated Installation >10' To 15', Add	*1.32*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.61*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.58*	
		For Elevated Installation >40', Add	*7.24*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	19.03	8.77
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	23.56	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	27.57	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	30.91	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	4.28	1.46
		For Work In Restricted Working Space, Add	*0.88*	
		For Elevated Installation >10' To 15', Add	*0.29*	
		For Elevated Installation >15' To 20', Add	*0.58*	
		For Elevated Installation >20' To 25', Add	*0.73*	
		For Elevated Installation >25' To 30', Add	*1.02*	
		For Elevated Installation >30' To 35', Add	*1.17*	
		For Elevated Installation >35' To 40', Add	*1.46*	
		For Elevated Installation >40', Add	*1.61*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	6.01	2.20
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.65	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.48	5.11
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.25	5.85
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.68*	
		For Elevated Installation >35' To 40', Add	*5.85*	
		For Elevated Installation >40', Add	*6.43*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	17.81	6.58
		For Work In Restricted Working Space, Add	*3.95*	
		For Elevated Installation >10' To 15', Add	*1.32*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.61*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.58*	
		For Elevated Installation >40', Add	*7.24*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	26.17	8.77
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	32.88	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	42.63	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	50.72	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	12.17	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	15.39	5.85
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.68*	
		For Elevated Installation >35' To 40', Add	*5.85*	
		For Elevated Installation >40', Add	*6.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	19.59	7.31
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	28.95	11.69
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.70*	
		For Elevated Installation >40', Add	*12.86*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	32.60	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	36.94	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	49.98	17.54
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.03*	
		For Elevated Installation >35' To 40', Add	*17.54*	
		For Elevated Installation >40', Add	*19.29*	
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	60.92	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	76.09	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	93.01	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	

26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*

26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	30.10	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	35.34	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	46.08	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	61.81	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	83.34	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	120.81	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	197.79	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	248.28	51.16
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	314.99	62.12
		For Work In Restricted Working Space, Add	*37.27*	
		For Elevated Installation >10' To 15', Add	*12.42*	
		For Elevated Installation >15' To 20', Add	*24.85*	
		For Elevated Installation >20' To 25', Add	*31.06*	
		For Elevated Installation >25' To 30', Add	*43.48*	
		For Elevated Installation >30' To 35', Add	*49.69*	
		For Elevated Installation >35' To 40', Add	*62.12*	
		For Elevated Installation >40', Add	*68.33*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	379.68	73.08
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	42.66	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	53.67	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	75.59	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	98.43	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	120.69	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	174.49	51.16
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	268.97	58.46
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	302.29	50.43
		For Work In Restricted Working Space, Add	*30.26*	
		For Elevated Installation >10' To 15', Add	*10.09*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.30*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.43*	
		For Elevated Installation >40', Add	*55.47*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	418.64	76.73
		For Work In Restricted Working Space, Add	*46.04*	
		For Elevated Installation >10' To 15', Add	*15.35*	
		For Elevated Installation >15' To 20', Add	*30.69*	
		For Elevated Installation >20' To 25', Add	*38.37*	
		For Elevated Installation >25' To 30', Add	*53.71*	
		For Elevated Installation >30' To 35', Add	*61.38*	
		For Elevated Installation >35' To 40', Add	*76.73*	
		For Elevated Installation >40', Add	*84.40*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	514.70	87.69
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	7.60	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	9.15	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	10.83	5.11
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	13.95	6.58
		For Work In Restricted Working Space, Add	*3.95*	
		For Elevated Installation >10' To 15', Add	*1.32*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.61*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.58*	
		For Elevated Installation >40', Add	*7.24*	
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	15.71	7.31
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	19.08	8.77
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	9.04	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	10.78	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	13.01	5.11
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	16.73	6.58
		For Work In Restricted Working Space, Add	*3.95*	
		For Elevated Installation >10' To 15', Add	*1.32*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.61*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.58*	
		For Elevated Installation >40', Add	*7.24*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	20.31	7.31
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	24.55	8.77
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	30.18	10.96
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	35.15	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	42.29	13.88
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	49.32	15.34
		For Work In Restricted Working Space, Add	*9.21*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.28*	
		For Elevated Installation >35' To 40', Add	*15.35*	
		For Elevated Installation >40', Add	*16.88*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	17.98	8.77
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	21.20	10.23
		For Work In Restricted Working Space, Add	*6.14*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.16*	
		For Elevated Installation >30' To 35', Add	*8.18*	
		For Elevated Installation >35' To 40', Add	*10.23*	
		For Elevated Installation >40', Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	26.45	12.43
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	32.03	14.61
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	40.14	18.27
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	49.70	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	62.28	25.57
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	69.87	29.23
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	85.94	32.88
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	115.34	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	33.98	13.16
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	39.49	15.34
		For Work In Restricted Working Space, Add	*9.21*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.28*	
		For Elevated Installation >35' To 40', Add	*15.35*	
		For Elevated Installation >40', Add	*16.88*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	49.69	17.54
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.03*	
		For Elevated Installation >35' To 40', Add	*17.54*	
		For Elevated Installation >40', Add	*19.29*	
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	63.52	21.92
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	83.84	26.31
		For Work In Restricted Working Space, Add	*15.78*	
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.52*	
		For Elevated Installation >20' To 25', Add	*13.15*	
		For Elevated Installation >25' To 30', Add	*18.41*	
		For Elevated Installation >30' To 35', Add	*21.04*	
		For Elevated Installation >35' To 40', Add	*26.31*	
		For Elevated Installation >40', Add	*28.94*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	110.82	30.69
		For Work In Restricted Working Space, Add	*18.42*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.28*	
		For Elevated Installation >20' To 25', Add	*15.35*	
		For Elevated Installation >25' To 30', Add	*21.49*	
		For Elevated Installation >30' To 35', Add	*24.56*	
		For Elevated Installation >35' To 40', Add	*30.70*	
		For Elevated Installation >40', Add	*33.76*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	151.75	35.08
		For Work In Restricted Working Space, Add	*21.05*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.03*	
		For Elevated Installation >20' To 25', Add	*17.54*	
		For Elevated Installation >25' To 30', Add	*24.55*	
		For Elevated Installation >30' To 35', Add	*28.06*	
		For Elevated Installation >35' To 40', Add	*35.08*	
		For Elevated Installation >40', Add	*38.58*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	260.55	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	7.53	2.63
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.59*	
		For Installation In Metal Stud Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.65*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.32*	
		For Elevated Installation >20' To 25', Add	*1.65*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.62*	
		For Factory Applied Color Coating, Add	*0.29*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	8.80	2.92
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.70*	
		For Installation In Metal Stud Wall, Add	*0.73*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.83*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.10*	
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
		For Factory Applied Color Coating, Add	*0.45*	
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	10.52	3.22
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.85*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	
		For Factory Applied Color Coating, Add	*0.74*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	12.99	3.62
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.07*	
		For Installation In Metal Stud Wall, Add	*0.91*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.27*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.36*	
		For Work In Restricted Working Space, Add	*2.72*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.81*	
		For Elevated Installation >20' To 25', Add	*2.27*	
		For Elevated Installation >25' To 30', Add	*3.17*	
		For Elevated Installation >30' To 35', Add	*3.63*	
		For Elevated Installation >35' To 40', Add	*4.54*	
		For Elevated Installation >40', Add	*4.99*	
		For Factory Applied Color Coating, Add	*1.18*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	15.11	4.09
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.26*	
		For Installation In Metal Stud Wall, Add	*1.02*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.56*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.53*	
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
		For Factory Applied Color Coating, Add	*1.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	17.47	4.67
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.45*	
		For Installation In Metal Stud Wall, Add	*1.17*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.92*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.75*	
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.68*	
		For Elevated Installation >35' To 40', Add	*5.85*	
		For Elevated Installation >40', Add	*6.43*	
		For Factory Applied Color Coating, Add	*1.73*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	22.45	5.56
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.90*	
		For Installation In Metal Stud Wall, Add	*1.39*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.47*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.08*	
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.78*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.86*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Factory Applied Color Coating, Add	*2.57*	
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	26.81	6.43
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000, Deduct	*-2.28*	
		For Installation In Metal Stud Wall, Add	*1.61*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.02*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.63*	
		For Elevated Installation >30' To 35', Add	*6.43*	
		For Elevated Installation >35' To 40', Add	*8.04*	
		For Elevated Installation >40', Add	*8.84*	
		For Factory Applied Color Coating, Add	*3.22*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	33.33	7.60
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.86*	
		For Installation In Metal Stud Wall, Add	*1.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.75*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.85*	
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.50*	
		For Elevated Installation >40', Add	*10.45*	
		For Factory Applied Color Coating, Add	*4.30*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	43.01	10.74
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-2.55*	
		For >1,000, Deduct	*-3.63*	
		For Installation In Metal Stud Wall, Add	*2.69*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.72*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.03*	
		For Work In Restricted Working Space, Add	*8.06*	
		For Elevated Installation >10' To 15', Add	*2.69*	
		For Elevated Installation >15' To 20', Add	*5.37*	
		For Elevated Installation >20' To 25', Add	*6.72*	
		For Elevated Installation >25' To 30', Add	*9.40*	
		For Elevated Installation >30' To 35', Add	*10.74*	
		For Elevated Installation >35' To 40', Add	*13.43*	
		For Elevated Installation >40', Add	*14.77*	
		For Factory Applied Color Coating, Add	*4.85*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-1712 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	18.31	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.63*	
		For Elevated Installation >30' To 35', Add	*6.43*	
		For Elevated Installation >35' To 40', Add	*8.04*	
		For Elevated Installation >40', Add	*8.84*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	19.52	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	23.58	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.16*	
		For Elevated Installation >30' To 35', Add	*8.18*	
		For Elevated Installation >35' To 40', Add	*10.23*	
		For Elevated Installation >40', Add	*11.25*	
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	25.80	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	30.67	10.52
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	40.06	13.45
		For Work In Restricted Working Space, Add	*10.09*	
		For Elevated Installation >10' To 15', Add	*3.36*	
		For Elevated Installation >15' To 20', Add	*6.72*	
		For Elevated Installation >20' To 25', Add	*8.41*	
		For Elevated Installation >25' To 30', Add	*11.77*	
		For Elevated Installation >30' To 35', Add	*13.45*	
		For Elevated Installation >35' To 40', Add	*16.81*	
		For Elevated Installation >40', Add	*18.49*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	52.23	15.20
		For Work In Restricted Working Space, Add	*11.40*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.60*	
		For Elevated Installation >20' To 25', Add	*9.50*	
		For Elevated Installation >25' To 30', Add	*13.30*	
		For Elevated Installation >30' To 35', Add	*15.20*	
		For Elevated Installation >35' To 40', Add	*19.00*	
		For Elevated Installation >40', Add	*20.90*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	65.37	16.95
		For Work In Restricted Working Space, Add	*12.72*	
		For Elevated Installation >10' To 15', Add	*4.24*	
		For Elevated Installation >15' To 20', Add	*8.48*	
		For Elevated Installation >20' To 25', Add	*10.60*	
		For Elevated Installation >25' To 30', Add	*14.84*	
		For Elevated Installation >30' To 35', Add	*16.96*	
		For Elevated Installation >35' To 40', Add	*21.20*	
		For Elevated Installation >40', Add	*23.31*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	73.97	18.70
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.36*	
		For Elevated Installation >20' To 25', Add	*11.70*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.71*	
		For Elevated Installation >35' To 40', Add	*23.39*	
		For Elevated Installation >40', Add	*25.73*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	154.45	46.99
		For Work In Restricted Working Space, Add	*35.25*	
		For Elevated Installation >10' To 15', Add	*11.75*	
		For Elevated Installation >15' To 20', Add	*23.50*	
		For Elevated Installation >20' To 25', Add	*29.38*	
		For Elevated Installation >25' To 30', Add	*41.13*	
		For Elevated Installation >30' To 35', Add	*47.00*	
		For Elevated Installation >35' To 40', Add	*58.75*	
		For Elevated Installation >40', Add	*64.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0622		Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*		
		See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	18.07	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.63*	
		For Elevated Installation >30' To 35', Add	*6.43*	
		For Elevated Installation >35' To 40', Add	*8.04*	
		For Elevated Installation >40', Add	*8.84*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	19.66	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	23.89	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.16*	
		For Elevated Installation >30' To 35', Add	*8.18*	
		For Elevated Installation >35' To 40', Add	*10.23*	
		For Elevated Installation >40', Add	*11.25*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	26.39	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	31.42	10.52
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	39.82	13.45
		For Work In Restricted Working Space, Add	*10.09*	
		For Elevated Installation >10' To 15', Add	*3.36*	
		For Elevated Installation >15' To 20', Add	*6.72*	
		For Elevated Installation >20' To 25', Add	*8.41*	
		For Elevated Installation >25' To 30', Add	*11.77*	
		For Elevated Installation >30' To 35', Add	*13.45*	
		For Elevated Installation >35' To 40', Add	*16.81*	
		For Elevated Installation >40', Add	*18.49*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	54.41	15.20
		For Work In Restricted Working Space, Add	*11.40*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.60*	
		For Elevated Installation >20' To 25', Add	*9.50*	
		For Elevated Installation >25' To 30', Add	*13.30*	
		For Elevated Installation >30' To 35', Add	*15.20*	
		For Elevated Installation >35' To 40', Add	*19.00*	
		For Elevated Installation >40', Add	*20.90*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	67.10	16.95
		For Work In Restricted Working Space, Add	*12.72*	
		For Elevated Installation >10' To 15', Add	*4.24*	
		For Elevated Installation >15' To 20', Add	*8.48*	
		For Elevated Installation >20' To 25', Add	*10.60*	
		For Elevated Installation >25' To 30', Add	*14.84*	
		For Elevated Installation >30' To 35', Add	*16.96*	
		For Elevated Installation >35' To 40', Add	*21.20*	
		For Elevated Installation >40', Add	*23.31*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	78.66	18.70
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.36*	
		For Elevated Installation >20' To 25', Add	*11.70*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.71*	
		For Elevated Installation >35' To 40', Add	*23.39*	
		For Elevated Installation >40', Add	*25.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	151.16	46.99
		For Work In Restricted Working Space, Add	*35.25*	
		For Elevated Installation >10' To 15', Add	*11.75*	
		For Elevated Installation >15' To 20', Add	*23.50*	
		For Elevated Installation >20' To 25', Add	*29.38*	
		For Elevated Installation >25' To 30', Add	*41.13*	
		For Elevated Installation >30' To 35', Add	*47.00*	
		For Elevated Installation >35' To 40', Add	*58.75*	
		For Elevated Installation >40', Add	*64.63*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.57	3.51
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.15	3.51
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	10.81	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.41	5.27
		For Work In Restricted Working Space, Add	*3.95*	
		For Elevated Installation >10' To 15', Add	*1.32*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.58*	
		For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	17.75	6.43
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.63*	
		For Elevated Installation >30' To 35', Add	*6.44*	
		For Elevated Installation >35' To 40', Add	*8.05*	
		For Elevated Installation >40', Add	*8.85*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	24.13	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	33.10	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	42.55	13.45
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	48.61	14.61
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	134.54	38.94
		For Work In Restricted Working Space, Add	*37.82*	
		For Elevated Installation >10' To 15', Add	*12.61*	
		For Elevated Installation >15' To 20', Add	*25.21*	
		For Elevated Installation >20' To 25', Add	*31.52*	
		For Elevated Installation >25' To 30', Add	*44.12*	
		For Elevated Installation >30' To 35', Add	*50.42*	
		For Elevated Installation >35' To 40', Add	*63.03*	
		For Elevated Installation >40', Add	*69.33*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	9.41	3.51
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	10.93	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	15.58	5.85
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	19.57	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	23.32	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.16*	
		For Elevated Installation >30' To 35', Add	*8.18*	
		For Elevated Installation >35' To 40', Add	*10.23*	
		For Elevated Installation >40', Add	*11.25*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	30.81	10.52
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	46.83	14.03
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.03*	
		For Elevated Installation >35' To 40', Add	*17.54*	
		For Elevated Installation >40', Add	*19.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	54.28	16.37
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.19*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.33*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.47*	
		For Elevated Installation >40', Add	*22.51*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	67.86	20.46
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	87.07	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	10.32	3.51
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	11.93	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	17.49	5.85
		For Work In Restricted Working Space, Add	*4.39*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.66*	
		For Elevated Installation >25' To 30', Add	*5.12*	
		For Elevated Installation >30' To 35', Add	*5.85*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	21.88	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	27.42	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.16*	
		For Elevated Installation >30' To 35', Add	*8.18*	
		For Elevated Installation >35' To 40', Add	*10.23*	
		For Elevated Installation >40', Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	33.39	9.94
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	45.00	13.45
		For Work In Restricted Working Space, Add	*10.09*	
		For Elevated Installation >10' To 15', Add	*3.36*	
		For Elevated Installation >15' To 20', Add	*6.72*	
		For Elevated Installation >20' To 25', Add	*8.41*	
		For Elevated Installation >25' To 30', Add	*11.77*	
		For Elevated Installation >30' To 35', Add	*13.45*	
		For Elevated Installation >35' To 40', Add	*16.81*	
		For Elevated Installation >40', Add	*18.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	56.39	16.37
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.19*	
		For Elevated Installation >20' To 25', Add	*10.23*	
		For Elevated Installation >25' To 30', Add	*14.33*	
		For Elevated Installation >30' To 35', Add	*16.37*	
		For Elevated Installation >35' To 40', Add	*20.47*	
		For Elevated Installation >40', Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	73.52	20.46
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	90.77	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	9.88	3.94
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.90*	
		For Elevated Installation >40', Add	*5.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	10.80	4.24
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	13.44	5.27
		For Work In Restricted Working Space, Add	*3.90*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.55*	
		For Elevated Installation >30' To 35', Add	*5.20*	
		For Elevated Installation >35' To 40', Add	*6.51*	
		For Elevated Installation >40', Add	*7.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	17.19	6.72
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.83*	
		For Elevated Installation >30' To 35', Add	*6.66*	
		For Elevated Installation >35' To 40', Add	*8.33*	
		For Elevated Installation >40', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	20.27	7.74
		For Work In Restricted Working Space, Add	*5.83*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.86*	
		For Elevated Installation >25' To 30', Add	*6.80*	
		For Elevated Installation >30' To 35', Add	*7.78*	
		For Elevated Installation >35' To 40', Add	*9.72*	
		For Elevated Installation >40', Add	*10.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.83*	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	24.79	9.36
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.70*	
		For Elevated Installation >40', Add	*12.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	35.46	13.01
		For Work In Restricted Working Space, Add	*9.73*	
		For Elevated Installation >10' To 15', Add	*3.24*	
		For Elevated Installation >15' To 20', Add	*6.49*	
		For Elevated Installation >20' To 25', Add	*8.11*	
		For Elevated Installation >25' To 30', Add	*11.35*	
		For Elevated Installation >30' To 35', Add	*12.98*	
		For Elevated Installation >35' To 40', Add	*16.22*	
		For Elevated Installation >40', Add	*17.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	47.10	17.25
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.30*	
		For Elevated Installation >35' To 40', Add	*21.63*	
		For Elevated Installation >40', Add	*23.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	60.41	22.21
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.14*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.49*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	78.35	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.52	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	9.10	3.51
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	10.81	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.67	5.85
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	19.08	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	24.20	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.77*	
		For Elevated Installation >35' To 40', Add	*10.96*	
		For Elevated Installation >40', Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	35.58	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	44.30	14.61
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	52.57	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	61.26	20.46
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.13	3.94
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.90*	
		For Elevated Installation >40', Add	*5.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.21	4.24
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	13.98	5.27
		For Work In Restricted Working Space, Add	*3.90*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.55*	
		For Elevated Installation >30' To 35', Add	*5.20*	
		For Elevated Installation >35' To 40', Add	*6.51*	
		For Elevated Installation >40', Add	*7.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	18.27	6.72
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.83*	
		For Elevated Installation >30' To 35', Add	*6.66*	
		For Elevated Installation >35' To 40', Add	*8.33*	
		For Elevated Installation >40', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.58	7.74
		For Work In Restricted Working Space, Add	*5.83*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.86*	
		For Elevated Installation >25' To 30', Add	*6.80*	
		For Elevated Installation >30' To 35', Add	*7.78*	
		For Elevated Installation >35' To 40', Add	*9.72*	
		For Elevated Installation >40', Add	*10.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.83*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	26.33	9.36
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.70*	
		For Elevated Installation >40', Add	*12.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	42.05	13.01
		For Work In Restricted Working Space, Add	*9.73*	
		For Elevated Installation >10' To 15', Add	*3.24*	
		For Elevated Installation >15' To 20', Add	*6.49*	
		For Elevated Installation >20' To 25', Add	*8.11*	
		For Elevated Installation >25' To 30', Add	*11.35*	
		For Elevated Installation >30' To 35', Add	*12.98*	
		For Elevated Installation >35' To 40', Add	*16.22*	
		For Elevated Installation >40', Add	*17.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	54.75	17.25
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.30*	
		For Elevated Installation >35' To 40', Add	*21.63*	
		For Elevated Installation >40', Add	*23.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	70.05	22.21
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.14*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.49*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	88.89	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0699		Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*		
26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.10	3.51
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	10.73	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.12*	
		For Elevated Installation >40', Add	*5.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	15.32	5.85
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.31*	
		For Elevated Installation >40', Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	18.88	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	22.34	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.16*	
		For Elevated Installation >30' To 35', Add	*8.18*	
		For Elevated Installation >35' To 40', Add	*10.23*	
		For Elevated Installation >40', Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	29.04	10.52
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.16*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	43.30	14.03
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.03*	
		For Elevated Installation >35' To 40', Add	*17.54*	
		For Elevated Installation >40', Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	54.60	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	67.72	20.46
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	76.42	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	10.35	3.94
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.90*	
		For Elevated Installation >40', Add	*5.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.45	4.24
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	14.17	5.27
		For Work In Restricted Working Space, Add	*3.90*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.55*	
		For Elevated Installation >30' To 35', Add	*5.20*	
		For Elevated Installation >35' To 40', Add	*6.51*	
		For Elevated Installation >40', Add	*7.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	18.83	6.72
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.83*	
		For Elevated Installation >30' To 35', Add	*6.66*	
		For Elevated Installation >35' To 40', Add	*8.33*	
		For Elevated Installation >40', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	22.51	7.74
		For Work In Restricted Working Space, Add	*5.83*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.86*	
		For Elevated Installation >25' To 30', Add	*6.80*	
		For Elevated Installation >30' To 35', Add	*7.78*	
		For Elevated Installation >35' To 40', Add	*9.72*	
		For Elevated Installation >40', Add	*10.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	27.68	9.36
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.70*	
		For Elevated Installation >40', Add	*12.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	47.01	13.01
		For Work In Restricted Working Space, Add	*9.73*	
		For Elevated Installation >10' To 15', Add	*3.24*	
		For Elevated Installation >15' To 20', Add	*6.49*	
		For Elevated Installation >20' To 25', Add	*8.11*	
		For Elevated Installation >25' To 30', Add	*11.35*	
		For Elevated Installation >30' To 35', Add	*12.98*	
		For Elevated Installation >35' To 40', Add	*16.22*	
		For Elevated Installation >40', Add	*17.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	63.08	17.25
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.30*	
		For Elevated Installation >35' To 40', Add	*21.63*	
		For Elevated Installation >40', Add	*23.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	84.64	22.21
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.14*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.49*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	106.95	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*

Note: Excludes jumper.

26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	71.61	19.44
		For Work In Restricted Working Space, Add	*14.59*	
		For Elevated Installation >10' To 15', Add	*4.86*	
		For Elevated Installation >15' To 20', Add	*9.73*	
		For Elevated Installation >20' To 25', Add	*12.16*	
		For Elevated Installation >25' To 30', Add	*17.02*	
		For Elevated Installation >30' To 35', Add	*19.46*	
		For Elevated Installation >35' To 40', Add	*24.32*	
		For Elevated Installation >40', Add	*26.75*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	86.36	23.53
		For Work In Restricted Working Space, Add	*17.69*	
		For Elevated Installation >10' To 15', Add	*5.90*	
		For Elevated Installation >15' To 20', Add	*11.79*	
		For Elevated Installation >20' To 25', Add	*14.74*	
		For Elevated Installation >25' To 30', Add	*20.64*	
		For Elevated Installation >30' To 35', Add	*23.58*	
		For Elevated Installation >35' To 40', Add	*29.48*	
		For Elevated Installation >40', Add	*32.43*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	106.42	29.53
		For Work In Restricted Working Space, Add	*22.11*	
		For Elevated Installation >10' To 15', Add	*7.37*	
		For Elevated Installation >15' To 20', Add	*14.74*	
		For Elevated Installation >20' To 25', Add	*18.43*	
		For Elevated Installation >25' To 30', Add	*25.80*	
		For Elevated Installation >30' To 35', Add	*29.48*	
		For Elevated Installation >35' To 40', Add	*36.85*	
		For Elevated Installation >40', Add	*40.54*	
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	136.51	36.24
		For Work In Restricted Working Space, Add	*27.20*	
		For Elevated Installation >10' To 15', Add	*9.07*	
		For Elevated Installation >15' To 20', Add	*18.13*	
		For Elevated Installation >20' To 25', Add	*22.67*	
		For Elevated Installation >25' To 30', Add	*31.73*	
		For Elevated Installation >30' To 35', Add	*36.27*	
		For Elevated Installation >35' To 40', Add	*45.34*	
		For Elevated Installation >40', Add	*49.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	168.10	42.53
		For Work In Restricted Working Space, Add	*31.90*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.27*	
		For Elevated Installation >20' To 25', Add	*26.58*	
		For Elevated Installation >25' To 30', Add	*37.22*	
		For Elevated Installation >30' To 35', Add	*42.53*	
		For Elevated Installation >35' To 40', Add	*53.17*	
		For Elevated Installation >40', Add	*58.48*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	209.80	51.74
		For Work In Restricted Working Space, Add	*38.84*	
		For Elevated Installation >10' To 15', Add	*12.95*	
		For Elevated Installation >15' To 20', Add	*25.89*	
		For Elevated Installation >20' To 25', Add	*32.37*	
		For Elevated Installation >25' To 30', Add	*45.31*	
		For Elevated Installation >30' To 35', Add	*51.79*	
		For Elevated Installation >35' To 40', Add	*64.74*	
		For Elevated Installation >40', Add	*71.21*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	381.31	66.50
		For Work In Restricted Working Space, Add	*49.89*	
		For Elevated Installation >10' To 15', Add	*16.63*	
		For Elevated Installation >15' To 20', Add	*33.26*	
		For Elevated Installation >20' To 25', Add	*41.57*	
		For Elevated Installation >25' To 30', Add	*58.20*	
		For Elevated Installation >30' To 35', Add	*66.52*	
		For Elevated Installation >35' To 40', Add	*83.15*	
		For Elevated Installation >40', Add	*91.46*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	464.25	77.75
		For Work In Restricted Working Space, Add	*58.33*	
		For Elevated Installation >10' To 15', Add	*19.44*	
		For Elevated Installation >15' To 20', Add	*38.89*	
		For Elevated Installation >20' To 25', Add	*48.61*	
		For Elevated Installation >25' To 30', Add	*68.05*	
		For Elevated Installation >30' To 35', Add	*77.78*	
		For Elevated Installation >35' To 40', Add	*97.22*	
		For Elevated Installation >40', Add	*106.94*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	563.81	84.77
		For Work In Restricted Working Space, Add	*63.60*	
		For Elevated Installation >10' To 15', Add	*21.20*	
		For Elevated Installation >15' To 20', Add	*42.40*	
		For Elevated Installation >20' To 25', Add	*53.00*	
		For Elevated Installation >25' To 30', Add	*74.20*	
		For Elevated Installation >30' To 35', Add	*84.80*	
		For Elevated Installation >35' To 40', Add	*106.00*	
		For Elevated Installation >40', Add	*116.59*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	611.31	93.54
		For Work In Restricted Working Space, Add	*70.18*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.79*	
		For Elevated Installation >20' To 25', Add	*58.48*	
		For Elevated Installation >25' To 30', Add	*81.88*	
		For Elevated Installation >30' To 35', Add	*93.57*	
		For Elevated Installation >35' To 40', Add	*116.97*	
		For Elevated Installation >40', Add	*128.66*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.37	5.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.54*	
		For Elevated Installation >30' To 35', Add	*5.19*	
		For Elevated Installation >35' To 40', Add	*6.49*	
		For Elevated Installation >40', Add	*7.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	15.12	5.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.54*	
		For Elevated Installation >30' To 35', Add	*5.19*	
		For Elevated Installation >35' To 40', Add	*6.49*	
		For Elevated Installation >40', Add	*7.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.88	5.70
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15', Add	*1.44*	
		For Elevated Installation >15' To 20', Add	*2.88*	
		For Elevated Installation >20' To 25', Add	*3.61*	
		For Elevated Installation >25' To 30', Add	*5.05*	
		For Elevated Installation >30' To 35', Add	*5.77*	
		For Elevated Installation >35' To 40', Add	*7.21*	
		For Elevated Installation >40', Add	*7.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	19.57	6.58
		For Work In Restricted Working Space, Add	*4.93*	
		For Elevated Installation >10' To 15', Add	*1.64*	
		For Elevated Installation >15' To 20', Add	*3.28*	
		For Elevated Installation >20' To 25', Add	*4.11*	
		For Elevated Installation >25' To 30', Add	*5.75*	
		For Elevated Installation >30' To 35', Add	*6.57*	
		For Elevated Installation >35' To 40', Add	*8.21*	
		For Elevated Installation >40', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.93*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	26.98	7.89
		For Work In Restricted Working Space, Add	*5.96*	
		For Elevated Installation >10' To 15', Add	*1.99*	
		For Elevated Installation >15' To 20', Add	*3.97*	
		For Elevated Installation >20' To 25', Add	*4.96*	
		For Elevated Installation >25' To 30', Add	*6.95*	
		For Elevated Installation >30' To 35', Add	*7.94*	
		For Elevated Installation >35' To 40', Add	*9.93*	
		For Elevated Installation >40', Add	*10.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	32.61	9.07
		For Work In Restricted Working Space, Add	*6.81*	
		For Elevated Installation >10' To 15', Add	*2.27*	
		For Elevated Installation >15' To 20', Add	*4.54*	
		For Elevated Installation >20' To 25', Add	*5.67*	
		For Elevated Installation >25' To 30', Add	*7.94*	
		For Elevated Installation >30' To 35', Add	*9.08*	
		For Elevated Installation >35' To 40', Add	*11.35*	
		For Elevated Installation >40', Add	*12.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.81*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	42.19	11.40
		For Work In Restricted Working Space, Add	*8.51*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.67*	
		For Elevated Installation >20' To 25', Add	*7.09*	
		For Elevated Installation >25' To 30', Add	*9.92*	
		For Elevated Installation >30' To 35', Add	*11.34*	
		For Elevated Installation >35' To 40', Add	*14.18*	
		For Elevated Installation >40', Add	*15.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	

26 05 33 13-0740 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0741 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0740)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".

26 05 33 13-0742	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	10.21	2.92
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stud Wall, Add	*0.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.90*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.52*	
		For Elevated Installation >20' To 25', Add	*1.90*	
		For Elevated Installation >25' To 30', Add	*2.66*	
		For Elevated Installation >30' To 35', Add	*3.04*	
		For Elevated Installation >35' To 40', Add	*3.80*	
		For Elevated Installation >40', Add	*4.18*	
26 05 33 13-0743	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	12.18	3.22
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.31*	
		For Installation In Metal Stud Wall, Add	*0.91*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.27*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.36*	
		For Work In Restricted Working Space, Add	*2.72*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.81*	
		For Elevated Installation >20' To 25', Add	*2.27*	
		For Elevated Installation >25' To 30', Add	*3.17*	
		For Elevated Installation >30' To 35', Add	*3.63*	
		For Elevated Installation >35' To 40', Add	*4.54*	
		For Elevated Installation >40', Add	*4.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0744	LF	1" Intermediate Metal Conduit (IMC) Conduit	16.21	3.51
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.48*	
		For Installation In Metal Stud Wall, Add	*1.14*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.85*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.71*	
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.27*	
26 05 33 13-0745	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	18.66	7.02
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For Installation In Metal Stud Wall, Add	*1.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.89*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Elevated Installation >10' To 15', Add	*1.26*	
		For Elevated Installation >15' To 20', Add	*2.51*	
		For Elevated Installation >20' To 25', Add	*3.14*	
		For Elevated Installation >25' To 30', Add	*4.40*	
		For Elevated Installation >30' To 35', Add	*5.03*	
		For Elevated Installation >35' To 40', Add	*6.29*	
		For Elevated Installation >40', Add	*6.91*	
26 05 33 13-0746	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	20.93	4.67
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*1.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.44*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.06*	
		For Work In Restricted Working Space, Add	*4.12*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.75*	
		For Elevated Installation >20' To 25', Add	*3.44*	
		For Elevated Installation >25' To 30', Add	*4.81*	
		For Elevated Installation >30' To 35', Add	*5.50*	
		For Elevated Installation >35' To 40', Add	*6.87*	
		For Elevated Installation >40', Add	*7.56*	
26 05 33 13-0747	LF	2" Intermediate Metal Conduit (IMC) Conduit	26.41	5.27
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.98*	
		For Installation In Metal Stud Wall, Add	*1.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.17*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.50*	
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.83*	
		For Elevated Installation >30' To 35', Add	*6.66*	
		For Elevated Installation >35' To 40', Add	*8.33*	
		For Elevated Installation >40', Add	*9.16*	
26 05 33 13-0748	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	43.68	7.02
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.16*	
		For Installation In Metal Stud Wall, Add	*2.21*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.52*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.31*	
		For Work In Restricted Working Space, Add	*6.62*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.41*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.72*	
		For Elevated Installation >30' To 35', Add	*8.83*	
		For Elevated Installation >35' To 40', Add	*11.04*	
		For Elevated Installation >40', Add	*12.14*	
26 05 33 13-0749	LF	3" Intermediate Metal Conduit (IMC) Conduit	55.83	8.77
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.66*	
		For Installation In Metal Stud Wall, Add	*2.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.31*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.38*	
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0750	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	64.28	10.52
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.08*	
		For Installation In Metal Stud Wall, Add	*3.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.37*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.04*	
		For Elevated Installation >10' To 15', Add	*3.35*	
		For Elevated Installation >15' To 20', Add	*6.69*	
		For Elevated Installation >20' To 25', Add	*8.37*	
		For Elevated Installation >25' To 30', Add	*11.71*	
		For Elevated Installation >30' To 35', Add	*13.39*	
		For Elevated Installation >35' To 40', Add	*16.74*	
		For Elevated Installation >40', Add	*18.41*	
26 05 33 13-0751	LF	4" Intermediate Metal Conduit (IMC) Conduit	75.28	12.28
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.63*	
		For Installation In Metal Stud Wall, Add	*3.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.76*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.85*	
		For Work In Restricted Working Space, Add	*11.71*	
		For Elevated Installation >10' To 15', Add	*3.90*	
		For Elevated Installation >15' To 20', Add	*7.80*	
		For Elevated Installation >20' To 25', Add	*9.76*	
		For Elevated Installation >25' To 30', Add	*13.66*	
		For Elevated Installation >30' To 35', Add	*15.61*	
		For Elevated Installation >35' To 40', Add	*19.51*	
		For Elevated Installation >40', Add	*21.46*	

26 05 33 13-0752 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0740)*

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0753	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	47.70	14.47
		For Work In Restricted Working Space, Add	*10.89*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.26*	
		For Elevated Installation >20' To 25', Add	*9.07*	
		For Elevated Installation >25' To 30', Add	*12.70*	
		For Elevated Installation >30' To 35', Add	*14.52*	
		For Elevated Installation >35' To 40', Add	*18.15*	
		For Elevated Installation >40', Add	*19.96*	
26 05 33 13-0754	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	57.93	17.98
		For Work In Restricted Working Space, Add	*13.54*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.02*	
		For Elevated Installation >20' To 25', Add	*11.28*	
		For Elevated Installation >25' To 30', Add	*15.79*	
		For Elevated Installation >30' To 35', Add	*18.05*	
		For Elevated Installation >35' To 40', Add	*22.56*	
		For Elevated Installation >40', Add	*24.82*	
26 05 33 13-0755	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	73.22	22.07
		For Work In Restricted Working Space, Add	*16.51*	
		For Elevated Installation >10' To 15', Add	*5.50*	
		For Elevated Installation >15' To 20', Add	*11.00*	
		For Elevated Installation >20' To 25', Add	*13.76*	
		For Elevated Installation >25' To 30', Add	*19.26*	
		For Elevated Installation >30' To 35', Add	*22.01*	
		For Elevated Installation >35' To 40', Add	*27.51*	
		For Elevated Installation >40', Add	*30.26*	
26 05 33 13-0756	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	89.41	25.57
		For Work In Restricted Working Space, Add	*19.17*	
		For Elevated Installation >10' To 15', Add	*6.39*	
		For Elevated Installation >15' To 20', Add	*12.78*	
		For Elevated Installation >20' To 25', Add	*15.97*	
		For Elevated Installation >25' To 30', Add	*22.36*	
		For Elevated Installation >30' To 35', Add	*25.56*	
		For Elevated Installation >35' To 40', Add	*31.95*	
		For Elevated Installation >40', Add	*35.14*	
26 05 33 13-0757	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	105.61	29.37
		For Work In Restricted Working Space, Add	*22.00*	
		For Elevated Installation >10' To 15', Add	*7.33*	
		For Elevated Installation >15' To 20', Add	*14.67*	
		For Elevated Installation >20' To 25', Add	*18.33*	
		For Elevated Installation >25' To 30', Add	*25.67*	
		For Elevated Installation >30' To 35', Add	*29.33*	
		For Elevated Installation >35' To 40', Add	*36.67*	
		For Elevated Installation >40', Add	*40.33*	
26 05 33 13-0758	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	127.13	32.30
		For Work In Restricted Working Space, Add	*24.20*	
		For Elevated Installation >10' To 15', Add	*8.07*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.17*	
		For Elevated Installation >25' To 30', Add	*28.23*	
		For Elevated Installation >30' To 35', Add	*32.26*	
		For Elevated Installation >35' To 40', Add	*40.33*	
		For Elevated Installation >40', Add	*44.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0759	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	179.74	40.34
		For Work In Restricted Working Space, Add	*30.25*	
		For Elevated Installation >10' To 15', Add	*10.08*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.21*	
		For Elevated Installation >25' To 30', Add	*35.29*	
		For Elevated Installation >30' To 35', Add	*40.34*	
		For Elevated Installation >35' To 40', Add	*50.42*	
		For Elevated Installation >40', Add	*55.46*	
26 05 33 13-0760	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	258.17	54.96
		For Work In Restricted Working Space, Add	*41.21*	
		For Elevated Installation >10' To 15', Add	*13.74*	
		For Elevated Installation >15' To 20', Add	*27.48*	
		For Elevated Installation >20' To 25', Add	*34.35*	
		For Elevated Installation >25' To 30', Add	*48.08*	
		For Elevated Installation >30' To 35', Add	*54.95*	
		For Elevated Installation >35' To 40', Add	*68.69*	
		For Elevated Installation >40', Add	*75.56*	
26 05 33 13-0761	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	368.19	61.97
		For Work In Restricted Working Space, Add	*46.49*	
		For Elevated Installation >10' To 15', Add	*15.50*	
		For Elevated Installation >15' To 20', Add	*30.99*	
		For Elevated Installation >20' To 25', Add	*38.74*	
		For Elevated Installation >25' To 30', Add	*54.23*	
		For Elevated Installation >30' To 35', Add	*61.98*	
		For Elevated Installation >35' To 40', Add	*77.48*	
		For Elevated Installation >40', Add	*85.22*	
26 05 33 13-0762	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	449.01	80.67
		For Work In Restricted Working Space, Add	*60.50*	
		For Elevated Installation >10' To 15', Add	*20.17*	
		For Elevated Installation >15' To 20', Add	*40.33*	
		For Elevated Installation >20' To 25', Add	*50.41*	
		For Elevated Installation >25' To 30', Add	*70.58*	
		For Elevated Installation >30' To 35', Add	*80.66*	
		For Elevated Installation >35' To 40', Add	*100.83*	
		For Elevated Installation >40', Add	*110.91*	

26 05 33 13-0763 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0740)*

26 05 33 13-0764	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.79	7.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0765	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	23.27	0.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-0766	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	30.02	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-0767	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	36.62	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 05 33 13-0768	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	40.82	14.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0769	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	52.36	18.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-0770	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	95.08	29.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0771	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	118.95	39.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.82*	
26 05 33 13-0772	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	153.75	47.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.52*	
26 05 33 13-0773	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	181.12	54.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.22*	

26 05 33 13-0774 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0740)*

Note: 3-Piece coupling.

26 05 33 13-0775	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	64.65	23.39
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.71*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.49*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.27*	
		For Elevated Installation >40', Add	*32.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-0776	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	73.20	26.17
		For Work In Restricted Working Space, Add	*19.60*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.06*	
		For Elevated Installation >20' To 25', Add	*16.33*	
		For Elevated Installation >25' To 30', Add	*22.86*	
		For Elevated Installation >30' To 35', Add	*26.13*	
		For Elevated Installation >35' To 40', Add	*32.66*	
		For Elevated Installation >40', Add	*35.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0777	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	87.97	29.08
		For Work In Restricted Working Space, Add	*21.83*	
		For Elevated Installation >10' To 15', Add	*7.28*	
		For Elevated Installation >15' To 20', Add	*14.55*	
		For Elevated Installation >20' To 25', Add	*18.19*	
		For Elevated Installation >25' To 30', Add	*25.47*	
		For Elevated Installation >30' To 35', Add	*29.11*	
		For Elevated Installation >35' To 40', Add	*36.39*	
		For Elevated Installation >40', Add	*40.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.83*	
26 05 33 13-0778	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	107.59	31.86
		For Work In Restricted Working Space, Add	*23.89*	
		For Elevated Installation >10' To 15', Add	*7.96*	
		For Elevated Installation >15' To 20', Add	*15.93*	
		For Elevated Installation >20' To 25', Add	*19.91*	
		For Elevated Installation >25' To 30', Add	*27.87*	
		For Elevated Installation >30' To 35', Add	*31.85*	
		For Elevated Installation >35' To 40', Add	*39.82*	
		For Elevated Installation >40', Add	*43.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.89*	
26 05 33 13-0779	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	122.22	34.78
		For Work In Restricted Working Space, Add	*26.14*	
		For Elevated Installation >10' To 15', Add	*8.71*	
		For Elevated Installation >15' To 20', Add	*17.42*	
		For Elevated Installation >20' To 25', Add	*21.78*	
		For Elevated Installation >25' To 30', Add	*30.49*	
		For Elevated Installation >30' To 35', Add	*34.85*	
		For Elevated Installation >35' To 40', Add	*43.56*	
		For Elevated Installation >40', Add	*47.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.14*	
26 05 33 13-0780	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	164.53	37.71
		For Work In Restricted Working Space, Add	*28.30*	
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.59*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.74*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-0781	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	267.07	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-0782	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	375.11	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	
26 05 33 13-0783	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	543.29	70.15
		For Work In Restricted Working Space, Add	*52.64*	
		For Elevated Installation >10' To 15', Add	*17.55*	
		For Elevated Installation >15' To 20', Add	*35.09*	
		For Elevated Installation >20' To 25', Add	*43.86*	
		For Elevated Installation >25' To 30', Add	*61.41*	
		For Elevated Installation >30' To 35', Add	*70.18*	
		For Elevated Installation >35' To 40', Add	*87.73*	
		For Elevated Installation >40', Add	*96.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.64*	
26 05 33 13-0784	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	625.39	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	

26 05 33 13-0785 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0740)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0786	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	35.89	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
26 05 33 13-0787	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.03	12.86
		For Work In Restricted Working Space, Add	*9.65*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.04*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.86*	
		For Elevated Installation >35' To 40', Add	*16.08*	
		For Elevated Installation >40', Add	*17.68*	
26 05 33 13-0788	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	45.93	14.61
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.28*	
		For Elevated Installation >40', Add	*20.10*	
26 05 33 13-0789	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	51.84	15.79
		For Work In Restricted Working Space, Add	*11.84*	
		For Elevated Installation >10' To 15', Add	*3.95*	
		For Elevated Installation >15' To 20', Add	*7.89*	
		For Elevated Installation >20' To 25', Add	*9.86*	
		For Elevated Installation >25' To 30', Add	*13.81*	
		For Elevated Installation >30' To 35', Add	*15.78*	
		For Elevated Installation >35' To 40', Add	*19.73*	
		For Elevated Installation >40', Add	*21.70*	
26 05 33 13-0790	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	61.12	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
26 05 33 13-0791	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	73.76	19.30
		For Work In Restricted Working Space, Add	*14.47*	
		For Elevated Installation >10' To 15', Add	*4.82*	
		For Elevated Installation >15' To 20', Add	*9.65*	
		For Elevated Installation >20' To 25', Add	*12.06*	
		For Elevated Installation >25' To 30', Add	*16.88*	
		For Elevated Installation >30' To 35', Add	*19.30*	
		For Elevated Installation >35' To 40', Add	*24.12*	
		For Elevated Installation >40', Add	*26.53*	
26 05 33 13-0792	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	99.37	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
26 05 33 13-0793	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	123.00	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0794	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	147.75	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0795	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	166.32	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	

26 05 33 13-0796 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0740)*

26 05 33 13-0797	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	32.01	11.69
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0798	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	40.71	14.61
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0799	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	50.01	17.54
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.35*	
		For Elevated Installation >30' To 35', Add	*17.54*	
		For Elevated Installation >35' To 40', Add	*21.93*	
		For Elevated Installation >40', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.16*	
26 05 33 13-0800	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	59.87	20.46
		For Work In Restricted Working Space, Add	*15.35*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.23*	
		For Elevated Installation >20' To 25', Add	*12.79*	
		For Elevated Installation >25' To 30', Add	*17.91*	
		For Elevated Installation >30' To 35', Add	*20.46*	
		For Elevated Installation >35' To 40', Add	*25.58*	
		For Elevated Installation >40', Add	*28.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0801	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	69.68	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.38*	
		For Elevated Installation >35' To 40', Add	*29.23*	
		For Elevated Installation >40', Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	
26 05 33 13-0802	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	81.98	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.30*	
		For Elevated Installation >35' To 40', Add	*32.88*	
		For Elevated Installation >40', Add	*36.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.73*	
26 05 33 13-0803	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	100.26	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0804	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	116.98	32.15
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-0805	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	142.44	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.50*	
26 05 33 13-0806	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	162.17	40.93
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.15*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	

26 05 33 13-0807 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0740)*

26 05 33 13-0808	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	178.58	23.39
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.69*	
		For Elevated Installation >20' To 25', Add	*14.62*	
		For Elevated Installation >25' To 30', Add	*20.46*	
		For Elevated Installation >30' To 35', Add	*23.39*	
		For Elevated Installation >35' To 40', Add	*29.24*	
		For Elevated Installation >40', Add	*32.16*	
26 05 33 13-0809	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	197.89	26.31
		For Work In Restricted Working Space, Add	*19.73*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.15*	
		For Elevated Installation >20' To 25', Add	*16.44*	
		For Elevated Installation >25' To 30', Add	*23.02*	
		For Elevated Installation >30' To 35', Add	*26.31*	
		For Elevated Installation >35' To 40', Add	*32.89*	
		For Elevated Installation >40', Add	*36.17*	
26 05 33 13-0810	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	219.92	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
26 05 33 13-0811	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	263.56	32.15
		For Work In Restricted Working Space, Add	*24.12*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.14*	
		For Elevated Installation >30' To 35', Add	*32.16*	
		For Elevated Installation >35' To 40', Add	*40.20*	
		For Elevated Installation >40', Add	*44.21*	
26 05 33 13-0812	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	320.03	35.08
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
26 05 33 13-0813	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	415.39	38.00
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0814	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	620.20	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
26 05 33 13-0815	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	747.09	58.46
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
26 05 33 13-0816	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,033.91	70.15
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.47*	
26 05 33 13-0817	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,192.32	76.00
		For Work In Restricted Working Space, Add	*56.99*	
		For Elevated Installation >10' To 15', Add	*19.00*	
		For Elevated Installation >15' To 20', Add	*38.00*	
		For Elevated Installation >20' To 25', Add	*47.50*	
		For Elevated Installation >25' To 30', Add	*66.49*	
		For Elevated Installation >30' To 35', Add	*75.99*	
		For Elevated Installation >35' To 40', Add	*94.99*	
		For Elevated Installation >40', Add	*104.49*	
26 05 33 13-0818		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0740)*		
26 05 33 13-0819	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	119.30	36.54
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-0820	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	141.97	43.85
		For Work In Restricted Working Space, Add	*26.31*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.08*	
		For Elevated Installation >35' To 40', Add	*43.85*	
		For Elevated Installation >40', Add	*48.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.31*	
26 05 33 13-0821	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	172.07	51.16
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	
26 05 33 13-0822	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	201.65	58.46
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-0823	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	259.09	65.77
		For Work In Restricted Working Space, Add	*39.46*	
		For Elevated Installation >10' To 15', Add	*13.15*	
		For Elevated Installation >15' To 20', Add	*26.31*	
		For Elevated Installation >20' To 25', Add	*32.89*	
		For Elevated Installation >25' To 30', Add	*46.04*	
		For Elevated Installation >30' To 35', Add	*52.62*	
		For Elevated Installation >35' To 40', Add	*65.77*	
		For Elevated Installation >40', Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0824	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	311.40	73.08
		For Work In Restricted Working Space, Add	*43.85*	
		For Elevated Installation >10' To 15', Add	*14.62*	
		For Elevated Installation >15' To 20', Add	*29.23*	
		For Elevated Installation >20' To 25', Add	*36.54*	
		For Elevated Installation >25' To 30', Add	*51.15*	
		For Elevated Installation >30' To 35', Add	*58.46*	
		For Elevated Installation >35' To 40', Add	*73.08*	
		For Elevated Installation >40', Add	*80.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	
26 05 33 13-0825	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	432.14	87.69
		For Work In Restricted Working Space, Add	*52.62*	
		For Elevated Installation >10' To 15', Add	*17.54*	
		For Elevated Installation >15' To 20', Add	*35.08*	
		For Elevated Installation >20' To 25', Add	*43.85*	
		For Elevated Installation >25' To 30', Add	*61.39*	
		For Elevated Installation >30' To 35', Add	*70.16*	
		For Elevated Installation >35' To 40', Add	*87.70*	
		For Elevated Installation >40', Add	*96.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.62*	
26 05 33 13-0826	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	518.25	102.31
		For Work In Restricted Working Space, Add	*61.39*	
		For Elevated Installation >10' To 15', Add	*20.46*	
		For Elevated Installation >15' To 20', Add	*40.92*	
		For Elevated Installation >20' To 25', Add	*51.16*	
		For Elevated Installation >25' To 30', Add	*71.62*	
		For Elevated Installation >30' To 35', Add	*81.85*	
		For Elevated Installation >35' To 40', Add	*102.31*	
		For Elevated Installation >40', Add	*112.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.39*	
26 05 33 13-0827	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,138.39	116.93
		For Work In Restricted Working Space, Add	*70.16*	
		For Elevated Installation >10' To 15', Add	*23.39*	
		For Elevated Installation >15' To 20', Add	*46.77*	
		For Elevated Installation >20' To 25', Add	*58.46*	
		For Elevated Installation >25' To 30', Add	*81.85*	
		For Elevated Installation >30' To 35', Add	*93.54*	
		For Elevated Installation >35' To 40', Add	*116.93*	
		For Elevated Installation >40', Add	*128.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.16*	
26 05 33 13-0828	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,309.95	131.54
		For Work In Restricted Working Space, Add	*78.92*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.23*	
		For Elevated Installation >35' To 40', Add	*131.54*	
		For Elevated Installation >40', Add	*144.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.92*	

26 05 33 13-0829 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0740)*

26 05 33 13-0830	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	19.11	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.38*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.01*	
		For Elevated Installation >35' To 40', Add	*8.77*	
		For Elevated Installation >40', Add	*9.64*	
26 05 33 13-0831	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	26.77	9.94
		For Work In Restricted Working Space, Add	*7.46*	
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.22*	
		For Elevated Installation >25' To 30', Add	*8.70*	
		For Elevated Installation >30' To 35', Add	*9.94*	
		For Elevated Installation >35' To 40', Add	*12.43*	
		For Elevated Installation >40', Add	*13.67*	
26 05 33 13-0832	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	34.98	12.86
		For Work In Restricted Working Space, Add	*9.64*	
		For Elevated Installation >10' To 15', Add	*3.21*	
		For Elevated Installation >15' To 20', Add	*6.43*	
		For Elevated Installation >20' To 25', Add	*8.03*	
		For Elevated Installation >25' To 30', Add	*11.25*	
		For Elevated Installation >30' To 35', Add	*12.85*	
		For Elevated Installation >35' To 40', Add	*16.07*	
		For Elevated Installation >40', Add	*17.67*	
26 05 33 13-0833	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	40.12	14.61
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.28*	
		For Elevated Installation >40', Add	*20.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0834	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	48.33	17.54
		For Work In Restricted Working Space, Add	*13.15*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.34*	
		For Elevated Installation >30' To 35', Add	*17.53*	
		For Elevated Installation >35' To 40', Add	*21.92*	
		For Elevated Installation >40', Add	*24.11*	
26 05 33 13-0835	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	55.64	19.88
		For Work In Restricted Working Space, Add	*14.91*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.43*	
		For Elevated Installation >25' To 30', Add	*17.40*	
		For Elevated Installation >30' To 35', Add	*19.88*	
		For Elevated Installation >35' To 40', Add	*24.86*	
		For Elevated Installation >40', Add	*27.34*	
26 05 33 13-0836	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	68.67	22.21
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.88*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.21*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.54*	
26 05 33 13-0837	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	80.79	25.14
		For Work In Restricted Working Space, Add	*18.86*	
		For Elevated Installation >10' To 15', Add	*6.29*	
		For Elevated Installation >15' To 20', Add	*12.57*	
		For Elevated Installation >20' To 25', Add	*15.71*	
		For Elevated Installation >25' To 30', Add	*22.00*	
		For Elevated Installation >30' To 35', Add	*25.14*	
		For Elevated Installation >35' To 40', Add	*31.43*	
		For Elevated Installation >40', Add	*34.57*	
26 05 33 13-0838	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	92.69	27.48
		For Work In Restricted Working Space, Add	*20.61*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.18*	
		For Elevated Installation >25' To 30', Add	*24.05*	
		For Elevated Installation >30' To 35', Add	*27.48*	
		For Elevated Installation >35' To 40', Add	*34.36*	
		For Elevated Installation >40', Add	*37.79*	
26 05 33 13-0839	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	97.22	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.61*	
		For Elevated Installation >20' To 25', Add	*18.26*	
		For Elevated Installation >25' To 30', Add	*25.57*	
		For Elevated Installation >30' To 35', Add	*29.22*	
		For Elevated Installation >35' To 40', Add	*36.53*	
		For Elevated Installation >40', Add	*40.18*	

26 05 33 13-0840 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0740)*

26 05 33 13-0841	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	9.07	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0842	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	10.09	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.66*	
		For Elevated Installation >40', Add	*4.02*	

26 05 33 13-0843 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0844 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-0843)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".

26 05 33 13-0845	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.38	2.92
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.10*	
		For Work In Restricted Working Space, Add	*2.19*	
26 05 33 13-0846	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.47	3.22
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.41*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0847		LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.81	3.51
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.32*	
			For Work In Restricted Working Space, Add	*2.63*	
26 05 33 13-0848		LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	12.17	3.80
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.43*	
			For Work In Restricted Working Space, Add	*2.85*	
26 05 33 13-0849		LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.54	4.09
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.53*	
			For Work In Restricted Working Space, Add	*3.07*	
26 05 33 13-0850		LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	16.12	4.67
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.75*	
			For Work In Restricted Working Space, Add	*3.51*	
26 05 33 13-0851		LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	21.60	5.85
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.19*	
			For Work In Restricted Working Space, Add	*4.38*	
26 05 33 13-0852		LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	26.73	7.02
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.63*	
			For Work In Restricted Working Space, Add	*5.26*	
26 05 33 13-0853		LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	32.95	8.77
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.29*	
			For Work In Restricted Working Space, Add	*6.58*	
26 05 33 13-0854		LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	40.84	11.11
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.17*	
			For Work In Restricted Working Space, Add	*8.33*	
26 05 33 13-0855		LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	53.78	14.03
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.26*	
			For Work In Restricted Working Space, Add	*10.52*	
26 05 33 13-0856		LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	68.46	17.54
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*6.58*	
			For Work In Restricted Working Space, Add	*13.16*	

26 05 33 13-0857 Aluminum 90 Degree Elbows *(26 05 33 13-0843)*

26 05 33 13-0858		EA	1" Aluminum 90 Degree Elbow	49.39	15.20
			For Work In Restricted Working Space, Add	*11.40*	
26 05 33 13-0859		EA	1-1/4" Aluminum 90 Degree Elbow	61.21	17.25
			For Work In Restricted Working Space, Add	*12.93*	
26 05 33 13-0860		EA	1-1/2" Aluminum 90 Degree Elbow	73.77	19.88
			For Work In Restricted Working Space, Add	*14.91*	
26 05 33 13-0861		EA	2" Aluminum 90 Degree Elbow	92.45	22.80
			For Work In Restricted Working Space, Add	*17.10*	
26 05 33 13-0862		EA	2-1/2" Aluminum 90 Degree Elbow	129.17	27.77
			For Work In Restricted Working Space, Add	*20.83*	
26 05 33 13-0863		EA	3" Aluminum 90 Degree Elbow	182.18	35.95
			For Work In Restricted Working Space, Add	*26.97*	
26 05 33 13-0864		EA	3-1/2" Aluminum 90 Degree Elbow	244.79	40.34
			For Work In Restricted Working Space, Add	*30.26*	
26 05 33 13-0865		EA	4" Aluminum 90 Degree Elbow	297.09	50.57
			For Work In Restricted Working Space, Add	*37.93*	
26 05 33 13-0866		EA	5" Aluminum 90 Degree Elbow	710.71	82.43
			For Work In Restricted Working Space, Add	*61.82*	
26 05 33 13-0867		EA	6" Aluminum 90 Degree Elbow	1,008.05	123.94
			For Work In Restricted Working Space, Add	*92.95*	

26 05 33 13-0868 Aluminum Bushing Set With Locknut *(26 05 33 13-0843)*

26 05 33 13-0869		EA	1/2" Aluminum Bushing Set With Locknut	15.48	5.85
			For Work In Restricted Working Space, Add	*4.38*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0870		EA	3/4" Aluminum Bushing Set With Locknut	22.49	7.60
			For Work In Restricted Working Space, Add	*5.70*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0871		EA	1" Aluminum Bushing Set With Locknut	23.95	9.36
			For Work In Restricted Working Space, Add	*7.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0872		EA	1-1/4" Aluminum Bushing Set With Locknut	26.93	10.52
			For Work In Restricted Working Space, Add	*7.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0873		EA	1-1/2" Aluminum Bushing Set With Locknut	32.95	12.86
			For Work In Restricted Working Space, Add	*9.65*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-0874		EA	2" Aluminum Bushing Set With Locknut	40.05	15.49
			For Work In Restricted Working Space, Add	*11.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0875		EA	2-1/2" Aluminum Bushing Set With Locknut	48.74	18.41
			For Work In Restricted Working Space, Add	*13.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.81*	
26 05 33 13-0876		EA	3" Aluminum Bushing Set With Locknut	56.61	21.05
			For Work In Restricted Working Space, Add	*15.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.78*	
26 05 33 13-0877		EA	3-1/2" Aluminum Bushing Set With Locknut	61.25	22.80
			For Work In Restricted Working Space, Add	*17.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.10*	
26 05 33 13-0878		EA	4" Aluminum Bushing Set With Locknut	66.50	24.55
			For Work In Restricted Working Space, Add	*18.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.42*	
26 05 33 13-0879		EA	5" Aluminum Bushing Set With Locknut	88.24	32.73
			For Work In Restricted Working Space, Add	*24.56*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0880	EA	6" Aluminum Bushing Set With Locknut	131.55	49.11
		For Work In Restricted Working Space, Add	*36.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.83*	

26 05 33 13-0881 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0882 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-0881)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1722 for field bending >1".

26 05 33 13-0883	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.76	2.28
		For Schedule 60, Add	*0.55*	
		For Schedule 80, Add	*0.94*	
26 05 33 13-0884	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.67	2.50
		For Schedule 60, Add	*0.66*	
		For Schedule 80, Add	*1.12*	
26 05 33 13-0885	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.41	2.93
		For Schedule 60, Add	*0.89*	
		For Schedule 80, Add	*1.47*	
26 05 33 13-0886	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.15	3.35
		For Schedule 60, Add	*1.12*	
		For Schedule 80, Add	*1.81*	
26 05 33 13-0887	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.10	3.90
		For Schedule 60, Add	*1.33*	
		For Schedule 80, Add	*2.15*	
26 05 33 13-0888	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	15.56	4.46
		For Schedule 60, Add	*1.66*	
		For Schedule 80, Add	*2.66*	
26 05 33 13-0889	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	20.28	5.29
		For Schedule 60, Add	*2.42*	
		For Schedule 80, Add	*3.79*	
26 05 33 13-0890	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	23.72	6.13
		For Schedule 60, Add	*2.86*	
		For Schedule 80, Add	*4.47*	
26 05 33 13-0891	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	28.83	7.24
		For Schedule 60, Add	*3.59*	
		For Schedule 80, Add	*5.56*	
26 05 33 13-0892	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	34.07	8.92
		For Schedule 60, Add	*4.06*	
		For Schedule 80, Add	*6.35*	
26 05 33 13-0893	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	48.52	12.54
		For Schedule 60, Add	*5.86*	
		For Schedule 80, Add	*9.14*	
26 05 33 13-0894	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	64.48	16.72
		For Schedule 60, Add	*7.76*	
		For Schedule 80, Add	*12.12*	

26 05 33 13-0895 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-0881)*

See CSI section 26 05 33 13-1722 for conduit field bending.

26 05 33 13-0896	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	29.25	11.15
		For Schedule 60, Add	*1.74*	
		For Schedule 80, Add	*3.27*	
26 05 33 13-0897	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	32.33	12.26
		For Schedule 60, Add	*1.95*	
		For Schedule 80, Add	*3.65*	
26 05 33 13-0898	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	37.46	13.94
		For Schedule 60, Add	*2.40*	
		For Schedule 80, Add	*4.40*	
26 05 33 13-0899	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	48.37	17.83
		For Schedule 60, Add	*3.17*	
		For Schedule 80, Add	*5.78*	
26 05 33 13-0900	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	60.87	22.29
		For Schedule 60, Add	*4.07*	
		For Schedule 80, Add	*7.37*	
26 05 33 13-0901	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	76.77	27.86
		For Schedule 60, Add	*5.26*	
		For Schedule 80, Add	*9.45*	
26 05 33 13-0902	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	96.11	33.44
		For Schedule 60, Add	*7.31*	
		For Schedule 80, Add	*12.74*	
26 05 33 13-0903	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	117.93	39.02
		For Schedule 60, Add	*9.97*	
		For Schedule 80, Add	*16.89*	
26 05 33 13-0904	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	146.77	47.37
		For Schedule 60, Add	*13.00*	
		For Schedule 80, Add	*21.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0905	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	175.78	55.74
		For Schedule 60, Add	*16.08*	
		For Schedule 80, Add	*26.69*	
26 05 33 13-0906	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	238.52	69.66
		For Schedule 60, Add	*24.80*	
		For Schedule 80, Add	*39.94*	
26 05 33 13-0907	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	291.02	83.60
		For Schedule 60, Add	*30.96*	
		For Schedule 80, Add	*49.61*	

26 05 33 13-0908 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-0881)*

See CSI section 26 05 33 13-1722 for conduit field bending.

26 05 33 13-0909	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	29.25	11.15
		For Schedule 60, Add	*1.74*	
		For Schedule 80, Add	*3.27*	
26 05 33 13-0910	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	32.23	12.26
		For Schedule 60, Add	*1.93*	
		For Schedule 80, Add	*3.62*	
26 05 33 13-0911	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	37.32	13.94
		For Schedule 60, Add	*2.36*	
		For Schedule 80, Add	*4.35*	
26 05 33 13-0912	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	47.97	17.83
		For Schedule 60, Add	*3.07*	
		For Schedule 80, Add	*5.64*	
26 05 33 13-0913	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	59.96	22.29
		For Schedule 60, Add	*3.84*	
		For Schedule 80, Add	*7.05*	
26 05 33 13-0914	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	76.29	27.86
		For Schedule 60, Add	*5.14*	
		For Schedule 80, Add	*9.29*	
26 05 33 13-0915	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	95.21	33.44
		For Schedule 60, Add	*7.08*	
		For Schedule 80, Add	*12.42*	
26 05 33 13-0916	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	116.79	39.02
		For Schedule 60, Add	*9.69*	
		For Schedule 80, Add	*16.49*	
26 05 33 13-0917	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	143.57	47.37
		For Schedule 60, Add	*12.20*	
		For Schedule 80, Add	*20.64*	
26 05 33 13-0918	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	173.03	55.74
		For Schedule 60, Add	*15.39*	
		For Schedule 80, Add	*25.73*	
26 05 33 13-0919	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	234.95	69.66
		For Schedule 60, Add	*23.90*	
		For Schedule 80, Add	*38.69*	
26 05 33 13-0920	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1722 for conduit field bending.	280.39	83.60
		For Schedule 60, Add	*28.30*	
		For Schedule 80, Add	*45.89*	

26 05 33 13-0921 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow *(26 05 33 13-0881)*

26 05 33 13-0922	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	100.78	36.10
		For Schedule 80, Add	*17.22*	
26 05 33 13-0923	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	117.79	41.80
		For Schedule 80, Add	*20.33*	
26 05 33 13-0924	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	133.46	47.50
		For Schedule 80, Add	*22.96*	
26 05 33 13-0925	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	156.03	52.25
		For Schedule 80, Add	*28.49*	
26 05 33 13-0926	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	203.24	65.55
		For Schedule 80, Add	*38.36*	
26 05 33 13-0927	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	267.74	89.30
		For Schedule 80, Add	*49.06*	
26 05 33 13-0928	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	318.24	100.70
		For Schedule 80, Add	*61.03*	
26 05 33 13-0929	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	387.52	131.10
		For Schedule 80, Add	*70.08*	

26 05 33 13-0930 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow *(26 05 33 13-0881)*

26 05 33 13-0931	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	106.03	36.10
		For Schedule 80, Add	*19.06*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0932		EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	130.42	41.80
			For Schedule 80, Add	*24.75*	
26 05 33 13-0933		EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	151.54	47.50
			For Schedule 80, Add	*29.29*	
26 05 33 13-0934		EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	164.98	52.25
			For Schedule 80, Add	*31.62*	
26 05 33 13-0935		EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	230.82	65.55
			For Schedule 80, Add	*48.01*	
26 05 33 13-0936		EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	307.85	89.30
			For Schedule 80, Add	*63.10*	
26 05 33 13-0937		EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	342.93	100.70
			For Schedule 80, Add	*69.68*	
26 05 33 13-0938		EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	417.41	131.10
			For Schedule 80, Add	*80.54*	
26 05 33 13-0939			Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow *(26 05 33 13-0881)*		
26 05 33 13-0940		EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	120.18	36.10
			For Schedule 80, Add	*24.01*	
26 05 33 13-0941		EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	136.35	41.80
			For Schedule 80, Add	*26.82*	
26 05 33 13-0942		EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	155.02	47.50
			For Schedule 80, Add	*30.51*	
26 05 33 13-0943		EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	181.86	52.25
			For Schedule 80, Add	*37.53*	
26 05 33 13-0944		EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	241.09	65.55
			For Schedule 80, Add	*51.61*	
26 05 33 13-0945		EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	316.47	89.30
			For Schedule 80, Add	*66.11*	
26 05 33 13-0946		EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	375.80	100.70
			For Schedule 80, Add	*81.18*	
26 05 33 13-0947		EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	446.93	131.10
			For Schedule 80, Add	*90.87*	
26 05 33 13-0948			Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow *(26 05 33 13-0881)*		
26 05 33 13-0949		EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	123.07	36.10
			For Schedule 80, Add	*25.02*	
26 05 33 13-0950		EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	153.89	41.80
			For Schedule 80, Add	*32.96*	
26 05 33 13-0951		EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	168.94	47.50
			For Schedule 80, Add	*35.38*	
26 05 33 13-0952		EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	182.48	52.25
			For Schedule 80, Add	*37.74*	
26 05 33 13-0953		EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	263.72	65.55
			For Schedule 80, Add	*59.53*	
26 05 33 13-0954		EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	367.18	89.30
			For Schedule 80, Add	*83.86*	
26 05 33 13-0955		EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	421.98	100.70
			For Schedule 80, Add	*97.34*	
26 05 33 13-0956		EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	501.62	131.10
			For Schedule 80, Add	*110.01*	
26 05 33 13-0957		EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	805.14	213.39
			For Schedule 80, Add	*174.92*	
26 05 33 13-0958		EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,183.89	321.54
			For Schedule 80, Add	*253.81*	
26 05 33 13-0959			Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow *(26 05 33 13-0881)*		
26 05 33 13-0960		EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	134.16	36.10
			For Schedule 80, Add	*28.91*	
26 05 33 13-0961		EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	156.86	41.80
			For Schedule 80, Add	*34.00*	
26 05 33 13-0962		EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	177.87	47.50
			For Schedule 80, Add	*38.50*	
26 05 33 13-0963		EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	213.32	52.25
			For Schedule 80, Add	*48.54*	
26 05 33 13-0964		EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	285.81	65.55
			For Schedule 80, Add	*67.26*	
26 05 33 13-0965		EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	403.46	89.30
			For Schedule 80, Add	*96.56*	
26 05 33 13-0966		EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	456.67	100.70
			For Schedule 80, Add	*109.48*	
26 05 33 13-0967		EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	561.82	131.10
			For Schedule 80, Add	*131.08*	
26 05 33 13-0968		EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	840.36	213.39
			For Schedule 80, Add	*187.25*	
26 05 33 13-0969		EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,212.40	321.54
			For Schedule 80, Add	*263.79*	
26 05 33 13-0970			Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-0881)*		
26 05 33 13-0971		EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	20.15	7.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.85*	
26 05 33 13-0972		EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	23.16	8.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	26.28	10.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0974	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	29.52	11.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	
26 05 33 13-0975	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	36.65	13.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.45*	
26 05 33 13-0976	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	44.39	16.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.54*	
26 05 33 13-0977	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	60.47	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 33 13-0978	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	76.09	27.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.90*	
26 05 33 13-0979	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	98.72	36.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.17*	
26 05 33 13-0980	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	120.01	44.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.44*	
26 05 33 13-0981	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	156.62	55.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.80*	
26 05 33 13-0982	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	195.04	69.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.25*	

26 05 33 13-0983 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-0881)*

26 05 33 13-0984	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.92	6.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-0985	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	25.09	7.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.85*	
26 05 33 13-0986	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.28	8.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0987	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.30	10.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0988	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.10	11.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	
26 05 33 13-0989	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	44.22	12.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 05 33 13-0990	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	49.58	14.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.87*	
26 05 33 13-0991	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	56.33	16.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.54*	
26 05 33 13-0992	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	66.53	19.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 05 33 13-0993	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	73.92	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 33 13-0994	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	91.66	25.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.81*	
26 05 33 13-0995	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	102.92	27.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.90*	

26 05 33 13-0996 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-0881)*

26 05 33 13-0997	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	21.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 33 13-0998	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	26.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 05 33 13-0999	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	29.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-1000	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	33.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.53*	
26 05 33 13-1001	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	36.43	13.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.45*	
26 05 33 13-1002	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	44.08	16.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.54*	
26 05 33 13-1003	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	59.86	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 33 13-1004	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	75.24	27.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.90*	
26 05 33 13-1005	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	97.63	36.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.17*	
26 05 33 13-1006	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	118.90	44.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.44*	
26 05 33 13-1007	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	154.43	55.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.80*	
26 05 33 13-1008	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	192.40	69.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.25*	

26 05 33 13-1009 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-0881)*

26 05 33 13-1010	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	61.69	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 33 13-1011	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	71.12	25.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.81*	
26 05 33 13-1012	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	78.98	27.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.90*	
26 05 33 13-1013	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	96.91	33.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1014	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	120.09	41.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1015	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	153.04	50.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.62*	
26 05 33 13-1016	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	242.78	55.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.80*	
26 05 33 13-1017	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	260.33	61.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.98*	
26 05 33 13-1018	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	284.83	69.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.25*	
26 05 33 13-1019	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	319.95	80.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.61*	

26 05 33 13-1020 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-0881)*

26 05 33 13-1021	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	81.00	29.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-1022	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	90.32	32.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-1023	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	97.86	35.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.31*	
26 05 33 13-1024	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	120.65	40.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	
26 05 33 13-1025	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	145.90	49.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.27*	
26 05 33 13-1026	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	177.85	58.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	

26 05 33 13-1027 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-0881)*

26 05 33 13-1028	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	120.37	27.86
26 05 33 13-1029	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	135.60	33.44
26 05 33 13-1030	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	151.59	39.02
26 05 33 13-1031	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	166.82	44.59
26 05 33 13-1032	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	181.74	50.16
26 05 33 13-1033	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	199.13	55.74
26 05 33 13-1034	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	241.06	64.09
26 05 33 13-1035	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	286.01	72.46
26 05 33 13-1036	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	333.99	83.60
26 05 33 13-1037	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	396.12	97.54
26 05 33 13-1038	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	516.37	117.05
26 05 33 13-1039	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	676.79	150.48

26 05 33 13-1040 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-0881)*

26 05 33 13-1041	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	16.61	5.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1042	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	19.70	6.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.02*	
26 05 33 13-1043	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	22.73	7.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.85*	
26 05 33 13-1044	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	26.92	8.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-1045	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	31.17	10.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1046	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	36.38	11.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	
26 05 33 13-1047	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	50.05	12.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 05 33 13-1048	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	55.10	14.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.87*	
26 05 33 13-1049	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	68.98	16.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.12*	
26 05 33 13-1050	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	82.07	17.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 05 33 13-1051	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	95.15	19.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 05 33 13-1052	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	118.94	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	

26 05 33 13-1053 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-0881)*

26 05 33 13-1054	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	164.26	50.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.62*	
26 05 33 13-1055	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	162.07	33.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1056	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	379.89	55.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.80*	
26 05 33 13-1057	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	725.46	80.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.61*	

26 05 33 13-1058 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1059			**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-1058)*		
			Note: Includes field bending conduit up to and including 1".		
26 05 33 13-1060		LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.71	2.28
26 05 33 13-1061		LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.77	2.50
26 05 33 13-1062		LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.08	2.90
26 05 33 13-1063		LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.39	3.35
26 05 33 13-1064		LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.18	3.90
26 05 33 13-1065		LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.73	4.46
26 05 33 13-1066		LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	19.92	5.29
26 05 33 13-1067		LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.35	6.13
26 05 33 13-1068		LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.13	7.24
26 05 33 13-1069		LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	32.32	8.92
26 05 33 13-1070		LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	43.87	12.54
26 05 33 13-1071		LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	57.46	16.72
26 05 33 13-1072			**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1058)*		
26 05 33 13-1073		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	101.86	11.15
			For 24" Radius, Add	*6.94*	
			For 36" Radius, Add	*10.19*	
			For 48" Radius, Add	*13.43*	
26 05 33 13-1074		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	113.50	12.26
			For 24" Radius, Add	*7.75*	
			For 36" Radius, Add	*11.35*	
			For 48" Radius, Add	*14.95*	
26 05 33 13-1075		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	118.53	13.94
			For 24" Radius, Add	*8.02*	
			For 36" Radius, Add	*11.85*	
			For 48" Radius, Add	*15.69*	
26 05 33 13-1076		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.09	17.83
			For 24" Radius, Add	*8.57*	
			For 36" Radius, Add	*12.91*	
			For 48" Radius, Add	*17.25*	
26 05 33 13-1077		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	141.08	22.29
			For 24" Radius, Add	*9.19*	
			For 36" Radius, Add	*14.11*	
			For 48" Radius, Add	*19.03*	
26 05 33 13-1078		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	166.77	27.86
			For 24" Radius, Add	*10.77*	
			For 36" Radius, Add	*16.68*	
			For 48" Radius, Add	*22.59*	
26 05 33 13-1079		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	199.83	33.44
			For 24" Radius, Add	*12.90*	
			For 36" Radius, Add	*19.98*	
			For 48" Radius, Add	*27.07*	
26 05 33 13-1080		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	237.02	39.02
			For 24" Radius, Add	*15.34*	
			For 36" Radius, Add	*23.70*	
			For 48" Radius, Add	*32.07*	
26 05 33 13-1081		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	275.36	47.37
			For 24" Radius, Add	*17.69*	
			For 36" Radius, Add	*27.54*	
			For 48" Radius, Add	*37.38*	
26 05 33 13-1082		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	313.69	55.74
			For 24" Radius, Add	*20.04*	
			For 36" Radius, Add	*31.37*	
			For 48" Radius, Add	*42.69*	
26 05 33 13-1083		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	392.11	69.66
			For 24" Radius, Add	*25.05*	
			For 36" Radius, Add	*39.21*	
			For 48" Radius, Add	*53.37*	
26 05 33 13-1084		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	481.42	83.60
			For 24" Radius, Add	*30.88*	
			For 36" Radius, Add	*48.14*	
			For 48" Radius, Add	*65.40*	
26 05 33 13-1085			**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1058)*		
26 05 33 13-1086		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	88.54	11.15
			For 24" Radius, Add	*5.94*	
			For 36" Radius, Add	*8.85*	
			For 48" Radius, Add	*11.76*	
26 05 33 13-1087		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	98.58	12.26
			For 24" Radius, Add	*6.63*	
			For 36" Radius, Add	*9.86*	
			For 48" Radius, Add	*13.09*	
26 05 33 13-1088		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	103.46	13.94
			For 24" Radius, Add	*6.89*	
			For 36" Radius, Add	*10.35*	
			For 48" Radius, Add	*13.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1089	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	113.88	17.83
		For 24" Radius, Add	*7.43*	
		For 36" Radius, Add	*11.39*	
		For 48" Radius, Add	*15.35*	
26 05 33 13-1090	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	125.72	22.29
		For 24" Radius, Add	*8.04*	
		For 36" Radius, Add	*12.57*	
		For 48" Radius, Add	*17.11*	
26 05 33 13-1091	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	149.29	27.86
		For 24" Radius, Add	*9.46*	
		For 36" Radius, Add	*14.93*	
		For 48" Radius, Add	*20.40*	
26 05 33 13-1092	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	178.91	33.44
		For 24" Radius, Add	*11.33*	
		For 36" Radius, Add	*17.89*	
		For 48" Radius, Add	*24.45*	
26 05 33 13-1093	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	211.91	39.02
		For 24" Radius, Add	*13.45*	
		For 36" Radius, Add	*21.19*	
		For 48" Radius, Add	*28.93*	
26 05 33 13-1094	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	247.11	47.37
		For 24" Radius, Add	*15.57*	
		For 36" Radius, Add	*24.71*	
		For 48" Radius, Add	*33.85*	
26 05 33 13-1095	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	282.31	55.74
		For 24" Radius, Add	*17.69*	
		For 36" Radius, Add	*28.23*	
		For 48" Radius, Add	*38.77*	
26 05 33 13-1096	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	352.88	69.66
		For 24" Radius, Add	*22.11*	
		For 36" Radius, Add	*35.29*	
		For 48" Radius, Add	*48.46*	
26 05 33 13-1097	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	432.39	83.60
		For 24" Radius, Add	*27.20*	
		For 36" Radius, Add	*43.24*	
		For 48" Radius, Add	*59.27*	

26 05 33 13-1098 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1058)*

26 05 33 13-1099	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	82.06	10.03
		For 24" Radius, Add	*5.53*	
		For 36" Radius, Add	*8.21*	
		For 48" Radius, Add	*10.88*	
26 05 33 13-1100	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	91.38	11.03
		For 24" Radius, Add	*6.16*	
		For 36" Radius, Add	*9.14*	
		For 48" Radius, Add	*12.11*	
26 05 33 13-1101	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	95.79	12.54
		For 24" Radius, Add	*6.40*	
		For 36" Radius, Add	*9.58*	
		For 48" Radius, Add	*12.76*	
26 05 33 13-1102	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	105.20	16.05
		For 24" Radius, Add	*6.89*	
		For 36" Radius, Add	*10.52*	
		For 48" Radius, Add	*14.15*	
26 05 33 13-1103	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	115.87	20.07
		For 24" Radius, Add	*7.44*	
		For 36" Radius, Add	*11.59*	
		For 48" Radius, Add	*15.74*	
26 05 33 13-1104	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	137.48	25.08
		For 24" Radius, Add	*8.74*	
		For 36" Radius, Add	*13.75*	
		For 48" Radius, Add	*18.75*	
26 05 33 13-1105	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	164.75	30.10
		For 24" Radius, Add	*10.48*	
		For 36" Radius, Add	*16.48*	
		For 48" Radius, Add	*22.48*	
26 05 33 13-1106	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	195.18	35.12
		For 24" Radius, Add	*12.44*	
		For 36" Radius, Add	*19.52*	
		For 48" Radius, Add	*26.59*	
26 05 33 13-1107	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	227.43	42.63
		For 24" Radius, Add	*14.39*	
		For 36" Radius, Add	*22.74*	
		For 48" Radius, Add	*31.09*	
26 05 33 13-1108	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	259.65	50.16
		For 24" Radius, Add	*16.34*	
		For 36" Radius, Add	*25.97*	
		For 48" Radius, Add	*35.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1109	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	324.56	62.70
		For 24" Radius, Add	*20.42*	
		For 36" Radius, Add	*32.46*	
		For 48" Radius, Add	*44.49*	
26 05 33 13-1110	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	397.87	75.25
		For 24" Radius, Add	*25.14*	
		For 36" Radius, Add	*39.79*	
		For 48" Radius, Add	*54.44*	

26 05 33 13-1111 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1058)*

26 05 33 13-1112	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	78.36	10.03
		For 24" Radius, Add	*5.25*	
		For 36" Radius, Add	*7.84*	
		For 48" Radius, Add	*10.42*	
26 05 33 13-1113	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	87.24	11.03
		For 24" Radius, Add	*5.85*	
		For 36" Radius, Add	*8.72*	
		For 48" Radius, Add	*11.59*	
26 05 33 13-1114	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	91.61	12.54
		For 24" Radius, Add	*6.09*	
		For 36" Radius, Add	*9.16*	
		For 48" Radius, Add	*12.24*	
26 05 33 13-1115	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	100.97	16.05
		For 24" Radius, Add	*6.57*	
		For 36" Radius, Add	*10.10*	
		For 48" Radius, Add	*13.62*	
26 05 33 13-1116	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	111.61	20.07
		For 24" Radius, Add	*7.12*	
		For 36" Radius, Add	*11.16*	
		For 48" Radius, Add	*15.21*	
26 05 33 13-1117	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	132.62	25.08
		For 24" Radius, Add	*8.38*	
		For 36" Radius, Add	*13.26*	
		For 48" Radius, Add	*18.15*	
26 05 33 13-1118	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	158.94	30.10
		For 24" Radius, Add	*10.04*	
		For 36" Radius, Add	*15.89*	
		For 48" Radius, Add	*21.75*	
26 05 33 13-1119	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	188.21	35.12
		For 24" Radius, Add	*11.92*	
		For 36" Radius, Add	*18.82*	
		For 48" Radius, Add	*25.72*	
26 05 33 13-1120	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	219.58	42.63
		For 24" Radius, Add	*13.80*	
		For 36" Radius, Add	*21.96*	
		For 48" Radius, Add	*30.11*	
26 05 33 13-1121	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	250.93	50.16
		For 24" Radius, Add	*15.68*	
		For 36" Radius, Add	*25.09*	
		For 48" Radius, Add	*34.50*	
26 05 33 13-1122	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	313.67	62.70
		For 24" Radius, Add	*19.61*	
		For 36" Radius, Add	*31.37*	
		For 48" Radius, Add	*43.13*	
26 05 33 13-1123	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	384.24	75.25
		For 24" Radius, Add	*24.12*	
		For 36" Radius, Add	*38.42*	
		For 48" Radius, Add	*52.73*	

26 05 33 13-1124 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1058)*

26 05 33 13-1125	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	50.15	7.81
26 05 33 13-1126	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.43	8.92
26 05 33 13-1127	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	59.57	10.03
26 05 33 13-1128	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.64	11.15
26 05 33 13-1129	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.32	13.94
26 05 33 13-1130	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	84.05	16.72
26 05 33 13-1131	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	106.59	22.29
26 05 33 13-1132	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	130.68	27.86
26 05 33 13-1133	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	159.21	36.23
26 05 33 13-1134	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	187.75	44.59
26 05 33 13-1135	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	234.68	55.74
26 05 33 13-1136	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	293.31	69.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1137		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** *(26 05 33 13-1058)*		
26 05 33 13-1138	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.80	7.81
26 05 33 13-1139	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.50	8.92
26 05 33 13-1140	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	44.49	10.03
26 05 33 13-1141	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.48	11.15
26 05 33 13-1142	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	54.66	13.94
26 05 33 13-1143	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	61.74	16.72
26 05 33 13-1144	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	79.66	22.29
26 05 33 13-1145	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	98.37	27.86
26 05 33 13-1146	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	122.86	36.23
26 05 33 13-1147	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	147.36	44.59
26 05 33 13-1148	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	184.24	55.74
26 05 33 13-1149	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	230.25	69.66
26 05 33 13-1150		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-1058)*		
26 05 33 13-1151	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	41.00	6.41
26 05 33 13-1152	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.18	8.92
26 05 33 13-1153	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	49.23	10.03
26 05 33 13-1154	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	52.15	11.15
26 05 33 13-1155	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	59.69	13.94
26 05 33 13-1156	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	71.38	16.72
26 05 33 13-1157	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	91.22	22.29
26 05 33 13-1158	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	112.23	27.86
26 05 33 13-1159	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	138.45	36.23
26 05 33 13-1160	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	164.67	44.59
26 05 33 13-1161	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	205.83	55.74
26 05 33 13-1162	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	257.31	69.66
26 05 33 13-1163		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-1058)*		
26 05 33 13-1164	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	93.34	27.86
26 05 33 13-1165	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	109.87	33.44
26 05 33 13-1166	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	124.10	39.02
26 05 33 13-1167	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	138.20	44.59
26 05 33 13-1168	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	152.74	50.16
26 05 33 13-1169	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	171.88	55.74
26 05 33 13-1170	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	199.30	64.09
26 05 33 13-1171	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	228.01	72.46
26 05 33 13-1172	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	261.73	83.60
26 05 33 13-1173	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	302.42	97.54
26 05 33 13-1174	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	351.91	111.47
26 05 33 13-1175	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	405.04	125.40
26 05 33 13-1176		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-1058)*		
26 05 33 13-1177	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	102.96	27.86
26 05 33 13-1178	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	120.65	33.44
26 05 33 13-1179	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	134.94	39.02
26 05 33 13-1180	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	149.16	44.59
26 05 33 13-1181	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	163.79	50.16
26 05 33 13-1182	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	184.50	55.74
26 05 33 13-1183	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	214.43	64.09
26 05 33 13-1184	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	246.17	72.46
26 05 33 13-1185	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	282.17	83.60
26 05 33 13-1186	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	325.15	97.54
26 05 33 13-1187	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	380.39	111.47
26 05 33 13-1188	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	440.63	125.40
26 05 33 13-1189		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-1058)*		
26 05 33 13-1190	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	98.69	7.81
26 05 33 13-1191	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	110.25	8.92
26 05 33 13-1192	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	115.74	10.03
26 05 33 13-1193	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	121.34	11.15
26 05 33 13-1194	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	129.77	13.94
26 05 33 13-1195	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	145.77	16.72
26 05 33 13-1196	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	180.52	22.29
26 05 33 13-1197	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	219.31	27.86
26 05 33 13-1198	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	258.92	36.23
26 05 33 13-1199	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	298.55	44.59
26 05 33 13-1200	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	373.26	55.74
26 05 33 13-1201	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	464.75	69.66
26 05 33 13-1202		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-1058)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1203	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	119.68	27.86
26 05 33 13-1204	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	139.19	33.44
26 05 33 13-1205	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	166.21	39.02
26 05 33 13-1206	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	204.06	44.59
26 05 33 13-1207	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	252.32	50.16
26 05 33 13-1208	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	327.44	55.74
26 05 33 13-1209	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	456.23	64.09
26 05 33 13-1210	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	548.17	72.46
26 05 33 13-1211	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	660.39	83.60
26 05 33 13-1212	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	779.59	97.54
26 05 33 13-1213	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	915.06	111.47
26 05 33 13-1214	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,393.87	125.40

26 05 33 13-1215 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1058)*

26 05 33 13-1216	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	100.02	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 33 13-1217	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	115.50	25.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.81*	
26 05 33 13-1218	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	150.17	27.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.90*	
26 05 33 13-1219	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	183.05	33.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1220	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	232.37	41.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.35*	
26 05 33 13-1221	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	314.83	50.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.62*	
26 05 33 13-1222	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	501.49	58.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.89*	
26 05 33 13-1223	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	640.79	66.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.16*	
26 05 33 13-1224	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	769.30	78.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.52*	
26 05 33 13-1225	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	897.80	89.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.88*	
26 05 33 13-1226	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,055.90	100.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.24*	
26 05 33 13-1227	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,196.26	111.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.60*	

26 05 33 13-1228 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1229 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1228)*

26 05 33 13-1230	EA	1/2" Explosion Proof Malleable Iron Conduit Union	47.71	12.18
26 05 33 13-1231	EA	3/4" Explosion Proof Malleable Iron Conduit Union	57.42	13.46
26 05 33 13-1232	EA	1" Explosion Proof Malleable Iron Conduit Union	88.01	17.95
26 05 33 13-1233	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	113.00	19.88
26 05 33 13-1234	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	141.59	24.37
26 05 33 13-1235	EA	2" Explosion Proof Malleable Iron Conduit Union	174.44	28.21
26 05 33 13-1236	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	263.08	40.31
26 05 33 13-1237	EA	3" Explosion Proof Malleable Iron Conduit Union	331.44	47.99
26 05 33 13-1238	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	535.74	57.59
26 05 33 13-1239	EA	4" Explosion Proof Malleable Iron Conduit Union	579.55	73.58

26 05 33 13-1240 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1228)*

26 05 33 13-1241	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	164.76	38.47
26 05 33 13-1242	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	185.92	43.59
26 05 33 13-1243	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	215.05	48.08
26 05 33 13-1244	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	190.09	48.08
26 05 33 13-1245	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	226.86	57.70
26 05 33 13-1246	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	266.44	66.03

26 05 33 13-1247 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1228)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1248	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	136.47	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	
26 05 33 13-1249	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	142.28	35.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1250	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	155.24	39.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.33*	
26 05 33 13-1251	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	197.57	48.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.06*	
26 05 33 13-1252	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	247.79	56.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.31*	
26 05 33 13-1253	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	310.95	64.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.08*	
26 05 33 13-1254	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	446.89	95.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 05 33 13-1255	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	563.94	120.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.23*	
26 05 33 13-1256	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	763.07	132.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.35*	
26 05 33 13-1257	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	960.60	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.99*	

26 05 33 13-1258 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1228)*

26 05 33 13-1259	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	302.37	14.74
26 05 33 13-1260	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	393.28	16.67

26 05 33 13-1261 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1262 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1261)*

26 05 33 13-1263 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1262)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-1722 for field bending >1".

26 05 33 13-1264	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.58	
		For Schedule 60, Add	*0.49*	
		For Schedule 80, Add	*0.82*	
26 05 33 13-1265	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.28	
		For Schedule 60, Add	*0.59*	
		For Schedule 80, Add	*0.98*	
26 05 33 13-1266	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.33	
		For Schedule 60, Add	*0.79*	
		For Schedule 80, Add	*1.26*	
26 05 33 13-1267	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.36	
		For Schedule 60, Add	*0.98*	
		For Schedule 80, Add	*1.53*	
26 05 33 13-1268	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.27	
		For Schedule 60, Add	*1.13*	
		For Schedule 80, Add	*1.76*	
26 05 33 13-1269	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	10.68	
		For Schedule 60, Add	*1.42*	
		For Schedule 80, Add	*2.17*	
26 05 33 13-1270	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.66	
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.13*	
26 05 33 13-1271	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	15.35	
		For Schedule 60, Add	*2.45*	
		For Schedule 80, Add	*3.63*	
26 05 33 13-1272	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	18.03	
		For Schedule 60, Add	*3.05*	
		For Schedule 80, Add	*4.48*	
26 05 33 13-1273	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	19.44	
		For Schedule 60, Add	*3.33*	
		For Schedule 80, Add	*4.89*	
26 05 33 13-1274	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	25.19	
		For Schedule 60, Add	*4.69*	
		For Schedule 80, Add	*6.81*	
26 05 33 13-1275	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	31.04	
		For Schedule 60, Add	*6.09*	
		For Schedule 80, Add	*8.77*	

26 05 33 13-1276 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1262)*

See CSI section 26 05 33 13-1722 for conduit field bending.

26 05 33 13-1277	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	36.23	
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.97*	
26 05 33 13-1278	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	43.48	
		For Schedule 60, Add	*2.51*	
		For Schedule 80, Add	*4.77*	
26 05 33 13-1279	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	51.38	
		For Schedule 60, Add	*3.09*	
		For Schedule 80, Add	*5.79*	
26 05 33 13-1280	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	59.52	
		For Schedule 60, Add	*3.73*	
		For Schedule 80, Add	*6.90*	
26 05 33 13-1281	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	67.83	
		For Schedule 60, Add	*4.42*	
		For Schedule 80, Add	*8.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1282	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	76.77	
		For Schedule 60, Add	*5.26*	
		For Schedule 80, Add	*9.45*	
26 05 33 13-1283	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	89.15	
		For Schedule 60, Add	*6.96*	
		For Schedule 80, Add	*12.04*	
26 05 33 13-1284	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	103.99	
		For Schedule 60, Add	*9.28*	
		For Schedule 80, Add	*15.50*	
26 05 33 13-1285	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	125.87	
		For Schedule 60, Add	*11.96*	
		For Schedule 80, Add	*19.67*	
26 05 33 13-1286	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	147.91	
		For Schedule 60, Add	*14.68*	
		For Schedule 80, Add	*23.90*	
26 05 33 13-1287	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	189.75	
		For Schedule 60, Add	*22.36*	
		For Schedule 80, Add	*35.06*	
26 05 33 13-1288	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	221.36	
		For Schedule 60, Add	*27.47*	
		For Schedule 80, Add	*42.64*	

26 05 33 13-1289 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1262)*

See CSI section 26 05 33 13-1722 for conduit field bending.

26 05 33 13-1290	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	36.23	
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.97*	
26 05 33 13-1291	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	43.38	
		For Schedule 60, Add	*2.49*	
		For Schedule 80, Add	*4.73*	
26 05 33 13-1292	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	51.24	
		For Schedule 60, Add	*3.06*	
		For Schedule 80, Add	*5.74*	
26 05 33 13-1293	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	59.12	
		For Schedule 60, Add	*3.63*	
		For Schedule 80, Add	*6.76*	
26 05 33 13-1294	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	66.92	
		For Schedule 60, Add	*4.19*	
		For Schedule 80, Add	*7.75*	
26 05 33 13-1295	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	76.29	
		For Schedule 60, Add	*5.14*	
		For Schedule 80, Add	*9.29*	
26 05 33 13-1296	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	88.25	
		For Schedule 60, Add	*6.73*	
		For Schedule 80, Add	*11.73*	
26 05 33 13-1297	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	102.85	
		For Schedule 60, Add	*8.99*	
		For Schedule 80, Add	*15.10*	
26 05 33 13-1298	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	122.67	
		For Schedule 60, Add	*11.16*	
		For Schedule 80, Add	*18.55*	
26 05 33 13-1299	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	145.16	
		For Schedule 60, Add	*14.00*	
		For Schedule 80, Add	*22.94*	
26 05 33 13-1300	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	186.18	
		For Schedule 60, Add	*21.47*	
		For Schedule 80, Add	*33.81*	
26 05 33 13-1301	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	210.73	
		For Schedule 60, Add	*24.81*	
		For Schedule 80, Add	*38.92*	

26 05 33 13-1302 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1262)*

26 05 33 13-1303	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.85*	
26 05 33 13-1304	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-1305	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1306	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	29.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	
26 05 33 13-1307	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	32.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-1308	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	36.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.03*	
26 05 33 13-1309	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	42.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-1310	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	48.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.54*	
26 05 33 13-1311	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	56.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 05 33 13-1312	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	64.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 33 13-1313	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	79.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.81*	
26 05 33 13-1314	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	90.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.90*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1315		Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1262)*		
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.92	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	25.09	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	28.28	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	36.08	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	39.89	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	44.22	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	49.58	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	56.33	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	66.53	
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	73.92	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	91.66	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	102.92	
26 05 33 13-1328		Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1262)*		
26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.05	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	23.16	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	26.14	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	29.26	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	32.24	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	35.72	
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	41.74	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	47.38	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	55.83	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	63.17	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	77.79	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	87.89	
26 05 33 13-1341		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1261)*		
		Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1342		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1341)*		
		Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".		
26 05 33 13-1343	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.99	3.07
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.20*	
26 05 33 13-1344	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	15.66	3.80
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.35*	
26 05 33 13-1345	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	19.15	4.24
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.66*	
26 05 33 13-1346	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	23.00	5.70
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-2.01*	
26 05 33 13-1347	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	26.91	6.43
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.36*	
26 05 33 13-1348	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	34.00	7.02
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.00*	
26 05 33 13-1349	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	49.10	10.52
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000, Deduct	*-4.36*	
26 05 33 13-1350	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	63.50	13.16
		For >250 To 500, Deduct	*-2.44*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.62*	
26 05 33 13-1351	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	78.46	13.88
		For >250 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000, Deduct	*-6.93*	
26 05 33 13-1352	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	93.27	15.34
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.90*	
		For >1,000, Deduct	*-8.23*	
26 05 33 13-1353	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	143.12	21.19
		For >250 To 500, Deduct	*-5.77*	
		For >500 To 1,000, Deduct	*-9.35*	
		For >1,000, Deduct	*-12.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	190.16	27.77
		For >250 To 500, Deduct	*-7.75*	
		For >500 To 1,000, Deduct	*-12.51*	
		For >1,000, Deduct	*-17.26*	

26 05 33 13-1355 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1341)*

26 05 33 13-1356	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.05	4.38
26 05 33 13-1357	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	18.27	5.85
26 05 33 13-1358	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	23.16	7.31
26 05 33 13-1359	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	26.05	8.04
26 05 33 13-1360	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	30.85	9.50
26 05 33 13-1361	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	39.26	10.96
26 05 33 13-1362	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	69.22	13.16
26 05 33 13-1363	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	88.66	18.27
26 05 33 13-1364	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	109.24	21.19
26 05 33 13-1365	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	136.64	29.23
26 05 33 13-1366	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	335.11	40.20
26 05 33 13-1367	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	329.85	22.66

26 05 33 13-1368 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial *(26 05 33 13-1341)*

Note: 90, 45, or 30-degree.

26 05 33 13-1369	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	58.55	18.27
26 05 33 13-1370	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	68.16	22.66
26 05 33 13-1371	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	81.75	27.77
26 05 33 13-1372	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	96.52	32.15
26 05 33 13-1373	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	112.66	36.54
26 05 33 13-1374	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	135.62	40.20
26 05 33 13-1375	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	204.92	50.43
26 05 33 13-1376	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	303.70	68.69
26 05 33 13-1377	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	373.15	77.46
26 05 33 13-1378	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	432.36	100.85
26 05 33 13-1379	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	884.74	164.42
26 05 33 13-1380	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,387.54	247.00

26 05 33 13-1381 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial *(26 05 33 13-1341)*

26 05 33 13-1382	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	133.63	27.77
26 05 33 13-1383	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	150.69	32.15
26 05 33 13-1384	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	171.97	36.54
26 05 33 13-1385	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	204.05	40.20
26 05 33 13-1386	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	282.38	50.43

26 05 33 13-1387 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial *(26 05 33 13-1341)*

26 05 33 13-1388	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	147.67	27.77
26 05 33 13-1389	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	173.88	32.15
26 05 33 13-1390	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	188.59	36.54
26 05 33 13-1391	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	240.31	40.20
26 05 33 13-1392	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	317.34	50.43
26 05 33 13-1393	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	407.36	68.69

26 05 33 13-1394 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial *(26 05 33 13-1341)*

26 05 33 13-1395	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	164.44	27.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1396	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	185.95	32.15
26 05 33 13-1397	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	209.92	36.54
26 05 33 13-1398	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	252.33	40.20
26 05 33 13-1399	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	357.50	50.43
26 05 33 13-1400	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	454.52	68.69
26 05 33 13-1401	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	570.64	77.46
26 05 33 13-1402	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	647.53	100.85
26 05 33 13-1403		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1404	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	193.42	27.77
26 05 33 13-1405	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	214.30	32.15
26 05 33 13-1406	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	242.11	36.54
26 05 33 13-1407	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	298.67	40.20
26 05 33 13-1408	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	429.39	50.43
26 05 33 13-1409	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	534.42	68.69
26 05 33 13-1410	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	619.43	77.46
26 05 33 13-1411	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	737.09	100.85
26 05 33 13-1412		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1413	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	215.97	27.77
26 05 33 13-1414	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	240.68	32.15
26 05 33 13-1415	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	273.78	36.54
26 05 33 13-1416	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	339.02	40.20
26 05 33 13-1417	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	468.62	50.43
26 05 33 13-1418	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	598.33	68.69
26 05 33 13-1419	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	738.04	77.46
26 05 33 13-1420	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	819.30	100.85
26 05 33 13-1421	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,364.69	164.42
26 05 33 13-1422		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1423	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	245.46	27.77
26 05 33 13-1424	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	272.56	32.15
26 05 33 13-1425	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	308.51	36.54
26 05 33 13-1426	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	383.76	40.20
26 05 33 13-1427	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	533.98	50.43
26 05 33 13-1428	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	679.75	68.69
26 05 33 13-1429	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	797.48	77.46
26 05 33 13-1430	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	925.43	100.85
26 05 33 13-1431	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,439.07	164.42
26 05 33 13-1432	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,975.28	247.00
26 05 33 13-1433		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1434	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	286.52	27.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	300.98	32.15
26 05 33 13-1436	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	354.98	36.54
26 05 33 13-1437	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	446.04	40.20
26 05 33 13-1438	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	622.11	50.43
26 05 33 13-1439	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	789.52	68.69
26 05 33 13-1440	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	962.72	77.46
26 05 33 13-1441	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,131.90	100.85
26 05 33 13-1442	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,681.69	164.42
26 05 33 13-1443	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	2,086.65	247.00
26 05 33 13-1444		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1445	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	296.41	27.77
26 05 33 13-1446	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	349.05	32.15
26 05 33 13-1447	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	395.17	36.54
26 05 33 13-1448	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	464.77	40.20
26 05 33 13-1449	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	644.13	50.43
26 05 33 13-1450	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	823.28	68.69
26 05 33 13-1451	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,052.71	77.46
26 05 33 13-1452	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,178.73	100.85
26 05 33 13-1453	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,746.87	164.42
26 05 33 13-1454	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	2,143.24	247.00
26 05 33 13-1455		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1456	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	102.15	18.27
26 05 33 13-1457	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	112.12	22.66
26 05 33 13-1458	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	145.10	27.77
26 05 33 13-1459	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	208.45	32.15
26 05 33 13-1460	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	246.94	36.54
26 05 33 13-1461	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	312.07	40.20
26 05 33 13-1462	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	414.52	50.43
26 05 33 13-1463	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	533.29	50.43
26 05 33 13-1464	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	691.34	77.46
26 05 33 13-1465	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	890.45	100.85
26 05 33 13-1466	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,616.23	164.42
26 05 33 13-1467	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	2,027.27	247.00
26 05 33 13-1468		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial** *(26 05 33 13-1341)*		
26 05 33 13-1469	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	104.36	18.27
26 05 33 13-1470	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	120.56	22.66
26 05 33 13-1471	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	149.60	27.77
26 05 33 13-1472	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	216.71	32.15
26 05 33 13-1473	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	258.40	36.54
26 05 33 13-1474	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	336.83	40.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1475	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	467.50	50.43
26 05 33 13-1476	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	587.16	50.43
26 05 33 13-1477	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	788.73	77.46
26 05 33 13-1478	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	987.49	100.85
26 05 33 13-1479	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,794.11	164.42
26 05 33 13-1480	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,314.48	247.00

26 05 33 13-1481 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1341)*

26 05 33 13-1482	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.15	8.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1483	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.88	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1484	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.78	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1485	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.76	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1486	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.96	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1487	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.00	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1488	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.43	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1489	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.34	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1490	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.48	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1491	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.88	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1492	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.55	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1493	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.17	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1494	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.60	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1495	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.67	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1496	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.83	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1497	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.24	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1498	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.45	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1499	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.58	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1500	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.02	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1501	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.27	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1502	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.31	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1503	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.87	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1504	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.30	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1505	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.67	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1506	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	133.51	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-1507	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.76	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1508	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.35	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1509	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.62	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1510	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.78	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1511	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.49	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1512	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.15	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1513	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.18	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-1514	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	138.93	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-1515	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	165.05	38.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-1516	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	194.57	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-1517	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.09	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1518	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.71	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1519	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.00	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1520	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.47	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1521	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.21	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1522	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	78.70	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1523	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.20	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-1524	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	147.04	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-1525	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	166.78	38.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-1526	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.19	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-1527	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	291.83	69.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-1528	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.72	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1529	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.34	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1530	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.69	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1531	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.74	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1532	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.73	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1533	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.25	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1534	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.37	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-1535	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	157.82	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1536	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	176.49	38.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-1537	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	215.57	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-1538	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	316.31	69.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-1539	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.72	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1540	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.31	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1541	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.22	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1542	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.07	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1543	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.83	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1544	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.82	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1545	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	137.88	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-1546	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	172.56	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-1547	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	200.79	38.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-1548	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	240.15	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-1549	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	333.08	69.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-1550	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.76	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1551	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.32	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1552	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.72	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1553	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.65	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1554	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.21	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-1555	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.96	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1556	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	151.10	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-1557	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	191.45	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-1558	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	226.32	38.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-1559	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	283.16	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-1560	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	366.56	69.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	
26 05 33 13-1561	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.83	9.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-1562	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.52	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1563	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.53	13.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1564	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.17	16.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1565	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	90.13	18.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	

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26 05 33 13-1566	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.90	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-1567	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	168.74	24.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.91*	
26 05 33 13-1568	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	219.77	34.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.61*	
26 05 33 13-1569	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	241.98	38.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.24*	
26 05 33 13-1570	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	296.36	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.25*	
26 05 33 13-1571	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	371.34	69.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.65*	

26 05 33 13-1572 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1261)*

Note: Direct burial or encased application.

26 05 33 13-1573 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1572)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-1722 for field bending >1".

26 05 33 13-1574	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.53	1.81
		For Work In Restricted Working Space, Add	*1.36*	
26 05 33 13-1575	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.38	1.95
		For Work In Restricted Working Space, Add	*1.46*	
26 05 33 13-1576	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.00	2.09
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-1577	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.60	2.23
		For Work In Restricted Working Space, Add	*1.67*	
26 05 33 13-1578	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.35	2.36
		For Work In Restricted Working Space, Add	*1.78*	
26 05 33 13-1579	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.85	2.50
		For Work In Restricted Working Space, Add	*1.88*	
26 05 33 13-1580	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.30	2.65
		For Work In Restricted Working Space, Add	*1.99*	
26 05 33 13-1581	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.98	2.79
		For Work In Restricted Working Space, Add	*2.09*	
26 05 33 13-1582	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	16.33	2.93
		For Work In Restricted Working Space, Add	*2.19*	
26 05 33 13-1583	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.69	3.07
		For Work In Restricted Working Space, Add	*2.30*	
26 05 33 13-1584	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	20.54	3.21
		For Work In Restricted Working Space, Add	*2.41*	
26 05 33 13-1585	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	24.02	3.35
		For Work In Restricted Working Space, Add	*2.51*	

26 05 33 13-1586 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1572)*

26 05 33 13-1587	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	108.84	13.94
		For Work In Restricted Working Space, Add	*10.45*	
		For 24" Radius, Add	*7.29*	
		For 36" Radius, Add	*10.88*	
		For 48" Radius, Add	*14.48*	
26 05 33 13-1588	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	124.65	16.72
		For Work In Restricted Working Space, Add	*12.54*	
		For 24" Radius, Add	*8.30*	
		For 36" Radius, Add	*12.47*	
		For 48" Radius, Add	*16.63*	
26 05 33 13-1589	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	132.45	19.51
		For Work In Restricted Working Space, Add	*14.63*	
		For 24" Radius, Add	*8.71*	
		For 36" Radius, Add	*13.25*	
		For 48" Radius, Add	*17.78*	
26 05 33 13-1590	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	140.24	22.29
		For Work In Restricted Working Space, Add	*16.72*	
		For 24" Radius, Add	*9.12*	
		For 36" Radius, Add	*14.02*	
		For 48" Radius, Add	*18.92*	
26 05 33 13-1591	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	148.04	25.08
		For Work In Restricted Working Space, Add	*18.81*	
		For 24" Radius, Add	*9.54*	
		For 36" Radius, Add	*14.80*	
		For 48" Radius, Add	*20.07*	
26 05 33 13-1592	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	166.77	27.86
		For Work In Restricted Working Space, Add	*20.90*	
		For 24" Radius, Add	*10.77*	
		For 36" Radius, Add	*16.68*	
		For 48" Radius, Add	*22.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1593	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	192.87	30.65
		For Work In Restricted Working Space, Add	*22.99*	
		For 24" Radius, Add	*12.55*	
		For 36" Radius, Add	*19.29*	
		For 48" Radius, Add	*26.02*	
26 05 33 13-1594	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	223.08	33.44
		For Work In Restricted Working Space, Add	*25.08*	
		For 24" Radius, Add	*14.64*	
		For 36" Radius, Add	*22.31*	
		For 48" Radius, Add	*29.98*	
26 05 33 13-1595	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	254.46	39.02
		For Work In Restricted Working Space, Add	*29.26*	
		For 24" Radius, Add	*16.65*	
		For 36" Radius, Add	*25.45*	
		For 48" Radius, Add	*34.25*	
26 05 33 13-1596	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	285.82	50.16
		For Work In Restricted Working Space, Add	*33.44*	
		For 24" Radius, Add	*18.65*	
		For 36" Radius, Add	*28.58*	
		For 48" Radius, Add	*38.51*	
26 05 33 13-1597	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	343.34	50.16
		For Work In Restricted Working Space, Add	*37.62*	
		For 24" Radius, Add	*22.62*	
		For 36" Radius, Add	*34.33*	
		For 48" Radius, Add	*46.05*	
26 05 33 13-1598	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	411.76	55.74
		For Work In Restricted Working Space, Add	*41.80*	
		For 24" Radius, Add	*27.40*	
		For 36" Radius, Add	*41.18*	
		For 48" Radius, Add	*54.95*	

26 05 33 13-1599 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1572)*

26 05 33 13-1600	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	50.15	7.81
		For Work In Restricted Working Space, Add	*5.85*	
26 05 33 13-1601	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.43	8.92
		For Work In Restricted Working Space, Add	*6.69*	
26 05 33 13-1602	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.57	10.03
		For Work In Restricted Working Space, Add	*7.52*	
26 05 33 13-1603	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	62.64	11.15
		For Work In Restricted Working Space, Add	*8.36*	
26 05 33 13-1604	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	66.13	12.26
		For Work In Restricted Working Space, Add	*9.20*	
26 05 33 13-1605	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	75.69	13.38
		For Work In Restricted Working Space, Add	*10.03*	
26 05 33 13-1606	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	88.47	15.05
		For Work In Restricted Working Space, Add	*11.29*	
26 05 33 13-1607	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	102.82	16.72
		For Work In Restricted Working Space, Add	*12.54*	
26 05 33 13-1608	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	117.41	19.51
		For Work In Restricted Working Space, Add	*14.63*	
26 05 33 13-1609	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	132.02	22.29
		For Work In Restricted Working Space, Add	*16.72*	
26 05 33 13-1610	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	158.04	25.08
		For Work In Restricted Working Space, Add	*18.81*	
26 05 33 13-1611	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	188.80	27.86
		For Work In Restricted Working Space, Add	*20.90*	

26 05 33 13-1612 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1572)*

26 05 33 13-1613	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.80	7.81
		For Work In Restricted Working Space, Add	*5.85*	
26 05 33 13-1614	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	41.50	8.92
		For Work In Restricted Working Space, Add	*6.69*	
26 05 33 13-1615	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.49	10.03
		For Work In Restricted Working Space, Add	*7.52*	
26 05 33 13-1616	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	47.48	11.15
		For Work In Restricted Working Space, Add	*8.36*	
26 05 33 13-1617	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	50.47	12.26
		For Work In Restricted Working Space, Add	*9.20*	
26 05 33 13-1618	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	53.38	13.38
		For Work In Restricted Working Space, Add	*10.03*	
26 05 33 13-1619	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	61.54	15.05
		For Work In Restricted Working Space, Add	*11.29*	
26 05 33 13-1620	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	70.51	16.72
		For Work In Restricted Working Space, Add	*12.54*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1621	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	81.06	19.51
		For Work In Restricted Working Space, Add	*14.63*	
26 05 33 13-1622	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	91.63	22.29
		For Work In Restricted Working Space, Add	*16.72*	
26 05 33 13-1623	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	107.60	25.08
		For Work In Restricted Working Space, Add	*18.81*	
26 05 33 13-1624	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	125.74	27.86
		For Work In Restricted Working Space, Add	*20.90*	

26 05 33 13-1625 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1572)*

26 05 33 13-1626	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	32.64	4.46
		For Work In Restricted Working Space, Add	*3.35*	
26 05 33 13-1627	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	36.43	5.02
		For Work In Restricted Working Space, Add	*3.76*	
26 05 33 13-1628	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.09	5.57
		For Work In Restricted Working Space, Add	*4.18*	
26 05 33 13-1629	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	39.62	6.13
		For Work In Restricted Working Space, Add	*4.60*	
26 05 33 13-1630	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	41.57	6.69
		For Work In Restricted Working Space, Add	*5.02*	
26 05 33 13-1631	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	49.09	7.81
		For Work In Restricted Working Space, Add	*5.85*	
26 05 33 13-1632	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	59.17	9.48
		For Work In Restricted Working Space, Add	*7.11*	
26 05 33 13-1633	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	70.43	11.15
		For Work In Restricted Working Space, Add	*8.36*	
26 05 33 13-1634	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	82.73	13.94
		For Work In Restricted Working Space, Add	*10.45*	
26 05 33 13-1635	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	95.00	16.72
		For Work In Restricted Working Space, Add	*12.54*	
26 05 33 13-1636	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	115.25	19.51
		For Work In Restricted Working Space, Add	*14.63*	
26 05 33 13-1637	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	138.88	22.29
		For Work In Restricted Working Space, Add	*16.72*	

26 05 33 13-1638 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1572)*

26 05 33 13-1639	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	93.34	27.86
		For Work In Restricted Working Space, Add	*20.90*	
26 05 33 13-1640	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	109.87	33.44
		For Work In Restricted Working Space, Add	*25.08*	
26 05 33 13-1641	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	124.10	39.02
		For Work In Restricted Working Space, Add	*29.26*	
26 05 33 13-1642	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	138.20	44.59
		For Work In Restricted Working Space, Add	*33.44*	
26 05 33 13-1643	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	145.78	47.37
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1644	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	157.94	50.16
		For Work In Restricted Working Space, Add	*37.62*	
26 05 33 13-1645	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	171.43	52.95
		For Work In Restricted Working Space, Add	*39.71*	
26 05 33 13-1646	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	186.21	55.74
		For Work In Restricted Working Space, Add	*41.80*	
26 05 33 13-1647	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	199.03	58.52
		For Work In Restricted Working Space, Add	*43.89*	
26 05 33 13-1648	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	211.85	61.31
		For Work In Restricted Working Space, Add	*45.98*	
26 05 33 13-1649	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	233.47	64.09
		For Work In Restricted Working Space, Add	*48.07*	
26 05 33 13-1650	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	258.74	66.88
		For Work In Restricted Working Space, Add	*50.16*	

26 05 33 13-1651 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1572)*

26 05 33 13-1652	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	102.96	27.86
		For Work In Restricted Working Space, Add	*20.90*	
26 05 33 13-1653	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	120.65	33.44
		For Work In Restricted Working Space, Add	*25.08*	
26 05 33 13-1654	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	134.94	39.02
		For Work In Restricted Working Space, Add	*29.26*	
26 05 33 13-1655	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	149.16	44.59
		For Work In Restricted Working Space, Add	*33.44*	
26 05 33 13-1656	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	156.83	47.37
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1657	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	170.56	50.16
		For Work In Restricted Working Space, Add	*37.62*	
26 05 33 13-1658	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	186.56	52.95
		For Work In Restricted Working Space, Add	*39.71*	
26 05 33 13-1659	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	204.37	55.74
		For Work In Restricted Working Space, Add	*41.80*	
26 05 33 13-1660	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	219.47	58.52
		For Work In Restricted Working Space, Add	*43.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1661	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	234.58	61.31
		For Work In Restricted Working Space, Add	*45.98*	
26 05 33 13-1662	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	261.95	64.09
		For Work In Restricted Working Space, Add	*48.07*	
26 05 33 13-1663	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	294.33	66.88
		For Work In Restricted Working Space, Add	*50.16*	

26 05 33 13-1664 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters

(26 05 33 13-1572)

26 05 33 13-1665	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	98.69	7.81
		For Work In Restricted Working Space, Add	*5.85*	
26 05 33 13-1666	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	110.25	8.92
		For Work In Restricted Working Space, Add	*6.69*	
26 05 33 13-1667	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.74	10.03
		For Work In Restricted Working Space, Add	*7.52*	
26 05 33 13-1668	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	121.34	11.15
		For Work In Restricted Working Space, Add	*8.36*	
26 05 33 13-1669	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	125.58	12.26
		For Work In Restricted Working Space, Add	*9.20*	
26 05 33 13-1670	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	137.41	13.38
		For Work In Restricted Working Space, Add	*10.03*	
26 05 33 13-1671	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	162.40	15.05
		For Work In Restricted Working Space, Add	*11.29*	
26 05 33 13-1672	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	191.45	16.72
		For Work In Restricted Working Space, Add	*12.54*	
26 05 33 13-1673	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	217.12	19.51
		For Work In Restricted Working Space, Add	*14.63*	
26 05 33 13-1674	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	242.82	22.29
		For Work In Restricted Working Space, Add	*16.72*	
26 05 33 13-1675	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	296.62	25.08
		For Work In Restricted Working Space, Add	*18.81*	
26 05 33 13-1676	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	360.24	27.86
		For Work In Restricted Working Space, Add	*20.90*	

26 05 33 13-1677 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1572)*

26 05 33 13-1678	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	119.68	27.86
		For Work In Restricted Working Space, Add	*20.90*	
26 05 33 13-1679	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	139.19	33.44
		For Work In Restricted Working Space, Add	*25.08*	
26 05 33 13-1680	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	166.21	39.02
		For Work In Restricted Working Space, Add	*29.26*	
26 05 33 13-1681	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	204.06	44.59
		For Work In Restricted Working Space, Add	*33.44*	
26 05 33 13-1682	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	245.36	47.37
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1683	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	313.50	50.16
		For Work In Restricted Working Space, Add	*37.62*	
26 05 33 13-1684	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	428.36	52.95
		For Work In Restricted Working Space, Add	*39.71*	
26 05 33 13-1685	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	506.37	55.74
		For Work In Restricted Working Space, Add	*41.80*	
26 05 33 13-1686	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	597.69	58.52
		For Work In Restricted Working Space, Add	*43.89*	
26 05 33 13-1687	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	689.02	61.31
		For Work In Restricted Working Space, Add	*45.98*	
26 05 33 13-1688	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	796.62	64.09
		For Work In Restricted Working Space, Add	*48.07*	
26 05 33 13-1689	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,247.57	66.88
		For Work In Restricted Working Space, Add	*50.16*	

26 05 33 13-1690 Spacers *(26 05 33 13-1261)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1261 for conduit.

26 05 33 13-1691	EA	1" Base Spacers, Average 4" Wide, Direct Burial	14.48
26 05 33 13-1692	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	15.60
26 05 33 13-1693	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	17.26
26 05 33 13-1694	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	18.60
26 05 33 13-1695	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	17.39
26 05 33 13-1696	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.70
26 05 33 13-1697	EA	2" Base Spacer, Average 4" Wide, Direct Burial	21.66
26 05 33 13-1698	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	20.11
26 05 33 13-1699	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	23.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1700	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	23.15	
26 05 33 13-1701	EA	3" Base Spacer, Average 4" Wide, Direct Burial	27.44	
26 05 33 13-1702	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	26.18	
26 05 33 13-1703	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	29.73	
26 05 33 13-1704	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	28.40	
26 05 33 13-1705	EA	4" Base Spacer, Average 4" Wide, Direct Burial	30.61	
26 05 33 13-1706	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	29.21	
26 05 33 13-1707	EA	5" Base Spacer, Average 4" Wide, Direct Burial	33.84	
26 05 33 13-1708	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	32.17	
26 05 33 13-1709	EA	6" Base Spacer, Average 4" Wide, Direct Burial	37.97	
26 05 33 13-1710	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	36.58	
26 05 33 13-1711		Conduit Field Bending *(26 05 33 13-0058)*		
		Note: Conduit tasks by LF include field bending up to and include 1" conduit.		
26 05 33 13-1712		Metallic Conduit Field Bending *(26 05 33 13-1711)*		
		Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).		
26 05 33 13-1713	EA	1-1/4" Metallic Conduit Field Bending	26.07	
		For Aluminum Conduit Bending, Add	*17.21*	
26 05 33 13-1714	EA	1-1/2" Metallic Conduit Field Bending	32.60	
		For Aluminum Conduit Bending, Add	*21.52*	
26 05 33 13-1715	EA	2" Metallic Conduit Field Bending	40.75	
		For Aluminum Conduit Bending, Add	*26.90*	
26 05 33 13-1716	EA	2-1/2" Metallic Conduit Field Bending	57.04	
		For Aluminum Conduit Bending, Add	*37.65*	
26 05 33 13-1717	EA	3" Metallic Conduit Field Bending	73.34	
		For Aluminum Conduit Bending, Add	*48.40*	
26 05 33 13-1718	EA	3-1/2" Metallic Conduit Field Bending	97.79	
		For Aluminum Conduit Bending, Add	*64.54*	
26 05 33 13-1719	EA	4" Metallic Conduit Field Bending	114.09	
		For Aluminum Conduit Bending, Add	*75.30*	
26 05 33 13-1720	EA	5" Metallic Conduit Field Bending	130.39	
		For Aluminum Conduit Bending, Add	*86.06*	
26 05 33 13-1721	EA	6" Metallic Conduit Field Bending	154.84	
		For Aluminum Conduit Bending, Add	*102.19*	
26 05 33 13-1722		Plastic Conduit Field Bending *(26 05 33 13-1711)*		
		Note: For PVC conduits.		
26 05 33 13-1723	EA	1" Plastic Conduit Field Bending	37.48	
26 05 33 13-1724	EA	1-1/4" Plastic Conduit Field Bending	40.75	
26 05 33 13-1725	EA	1-1/2" Plastic Conduit Field Bending	48.89	
26 05 33 13-1726	EA	2" Plastic Conduit Field Bending	65.20	
26 05 33 13-1727	EA	2-1/2" Plastic Conduit Field Bending	81.49	
26 05 33 13-1728	EA	3" Plastic Conduit Field Bending	97.79	
26 05 33 13-1729	EA	3-1/2" Plastic Conduit Field Bending	114.09	
26 05 33 13-1730	EA	4" Plastic Conduit Field Bending	130.39	
26 05 33 13-1731	EA	5" Plastic Conduit Field Bending	146.68	
26 05 33 13-1732	EA	6" Plastic Conduit Field Bending	162.98	
26 05 33 13-1733		Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0058)*		
		Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-1734	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	48.08	
		For Work In Restricted Working Space, Add	*14.42*	
26 05 33 13-1735	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	52.89	
		For Work In Restricted Working Space, Add	*15.87*	
26 05 33 13-1736	EA	1", Cut And Thread Existing In-Place Threaded Conduit	57.70	
		For Work In Restricted Working Space, Add	*17.31*	
26 05 33 13-1737	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	62.50	
		For Work In Restricted Working Space, Add	*18.75*	
26 05 33 13-1738	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	65.72	
		For Work In Restricted Working Space, Add	*19.72*	
26 05 33 13-1739	EA	2", Cut And Thread Existing In-Place Threaded Conduit	68.92	
		For Work In Restricted Working Space, Add	*20.68*	
26 05 33 13-1740	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	72.12	
		For Work In Restricted Working Space, Add	*21.64*	
26 05 33 13-1741	EA	3", Cut And Thread Existing In-Place Threaded Conduit	75.33	
		For Work In Restricted Working Space, Add	*22.60*	
26 05 33 13-1742	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	76.94	
		For Work In Restricted Working Space, Add	*23.08*	
26 05 33 13-1743	EA	4", Cut And Thread Existing In-Place Threaded Conduit	78.53	
		For Work In Restricted Working Space, Add	*23.56*	
26 05 33 13-1744	EA	5", Cut And Thread Existing In-Place Threaded Conduit	81.74	
		For Work In Restricted Working Space, Add	*24.52*	
26 05 33 13-1745	EA	6", Cut And Thread Existing In-Place Threaded Conduit	84.94	
		For Work In Restricted Working Space, Add	*25.48*	
26 05 33 13-1746		Flexible Conduit *(26 05 33 13-0058)*		
26 05 33 13-1747		Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-1746)*		
		Note: Steel inner core with PVC cover.		
26 05 33 13-1748		Flexible Liquid Tight Metallic Conduit *(26 05 33 13-1747)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1749	LF	3/8" Flexible Liquid Tight Metallic Conduit	5.80	1.76
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.66*	
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-1750	LF	1/2" Flexible Liquid Tight Metallic Conduit	6.01	1.76
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.66*	
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-1751	LF	3/4" Flexible Liquid Tight Metallic Conduit	8.06	2.34
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-1752	LF	1" Flexible Liquid Tight Metallic Conduit	9.19	2.34
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-1753	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	11.86	2.92
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.10*	
		For Work In Restricted Working Space, Add	*2.19*	
26 05 33 13-1754	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	15.15	3.51
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.32*	
		For Work In Restricted Working Space, Add	*2.63*	
26 05 33 13-1755	LF	2" Flexible Liquid Tight Metallic Conduit	19.95	4.67
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.75*	
		For Work In Restricted Working Space, Add	*3.51*	
26 05 33 13-1756	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	26.80	5.27
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.97*	
		For Work In Restricted Working Space, Add	*3.95*	
26 05 33 13-1757	LF	3" Flexible Liquid Tight Metallic Conduit	39.02	6.43
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-1758	LF	4" Flexible Liquid Tight Metallic Conduit	53.21	8.18
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.14*	

26 05 33 13-1759 Straight Liquid Tight Connector *(26 05 33 13-1747)*

26 05 33 13-1760	EA	3/8" Straight Liquid Tight Connector	15.74	4.67
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-1761	EA	1/2" Straight Liquid Tight Connector	15.74	4.67
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-1762	EA	3/4" Straight Liquid Tight Connector	18.96	5.27
		For Work In Restricted Working Space, Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 05 33 13-1763	EA	1" Straight Liquid Tight Connector	24.96	5.85
		For Work In Restricted Working Space, Add	*4.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-1764	EA	1-1/4" Straight Liquid Tight Connector	31.72	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1765	EA	1-1/2" Straight Liquid Tight Connector	39.86	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1766	EA	2" Straight Liquid Tight Connector	54.46	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-1767	EA	2-1/2" Straight Liquid Tight Connector	180.67	10.52
		For Work In Restricted Working Space, Add	*7.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-1768	EA	3" Straight Liquid Tight Connector	232.19	11.11
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1769	EA	4" Straight Liquid Tight Connector	285.06	16.37
		For Work In Restricted Working Space, Add	*12.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	

26 05 33 13-1770 90 Degree Angle Liquid Tight Connector *(26 05 33 13-1747)*

26 05 33 13-1771	EA	3/8" 90 Degree Angle Liquid Tight Connector	22.84	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1772	EA	1/2" 90 Degree Angle Liquid Tight Connector	23.71	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1773	EA	3/4" 90 Degree Angle Liquid Tight Connector	26.72	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1774	EA	1" 90 Degree Angle Liquid Tight Connector	37.15	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-1775	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	46.32	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1776	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	55.80	9.36
		For Work In Restricted Working Space, Add	*7.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-1777	EA	2" 90 Degree Angle Liquid Tight Connector	73.24	10.52
		For Work In Restricted Working Space, Add	*7.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1778	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	251.29	11.11
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1779	EA	3" 90 Degree Angle Liquid Tight Connector	296.85	12.86
		For Work In Restricted Working Space, Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1780	EA	4" 90 Degree Angle Liquid Tight Connector	411.48	20.46
		For Work In Restricted Working Space, Add	*15.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-1781		**45 Degree Angle Connector** *(26 05 33 13-1747)*		
26 05 33 13-1782	EA	3/8" 45 Degree Angle Liquid Tight Connector	22.55	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1783	EA	1/2" 45 Degree Angle Liquid Tight Connector	22.75	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1784	EA	3/4" 45 Degree Angle Liquid Tight Connector	26.72	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1785	EA	1" 45 Degree Angle Liquid Tight Connector	39.53	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-1786	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	44.78	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1787	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	50.05	9.36
		For Work In Restricted Working Space, Add	*7.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-1788		**Flexible Metallic Conduit And Connectors** *(26 05 33 13-1746)*		
26 05 33 13-1789		**Flexible Steel Conduit** *(26 05 33 13-1788)*		
26 05 33 13-1790	LF	3/8" Flexible Metallic Conduit	5.52	1.91
		For Flexible Aluminum Conduit, Add	*0.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.70*	
		For Installation In Metal Stud Wall, Add	*0.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.17*	
		For Work In Restricted Working Space, Add	*1.41*	
26 05 33 13-1791	LF	1/2" Flexible Metallic Conduit	5.72	1.91
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.72*	
		For Installation In Metal Stud Wall, Add	*0.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.20*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 33 13-1792	LF	3/4" Flexible Metallic Conduit	6.45	2.56
		For Flexible Aluminum Conduit, Add	*0.21*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.78*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.30*	
		For Work In Restricted Working Space, Add	*1.56*	
26 05 33 13-1793	LF	1" Flexible Metallic Conduit	7.93	2.56
		For Flexible Aluminum Conduit, Add	*0.38*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.84*	
		For Installation In Metal Stud Wall, Add	*0.56*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.40*	
		For Work In Restricted Working Space, Add	*1.68*	
26 05 33 13-1794	LF	1-1/4" Flexible Metallic Conduit	8.95	3.20
		For Flexible Aluminum Conduit, Add	*0.50*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.89*	
		For Installation In Metal Stud Wall, Add	*0.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.48*	
		For Work In Restricted Working Space, Add	*1.77*	
26 05 33 13-1795	LF	1-1/2" Flexible Metallic Conduit	11.49	3.84
		For Flexible Aluminum Conduit, Add	*0.88*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.92*	
		For Installation In Metal Stud Wall, Add	*0.62*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.54*	
		For Work In Restricted Working Space, Add	*1.85*	
26 05 33 13-1796	LF	2" Flexible Metallic Conduit	12.94	5.12
		For Flexible Aluminum Conduit, Add	*1.08*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.96*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.60*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 33 13-1797	LF	2-1/2" Flexible Steel Conduit	15.91	5.75
		For Flexible Aluminum Conduit, Add	*1.31*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.20*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.00*	
		For Work In Restricted Working Space, Add	*2.40*	
26 05 33 13-1798	LF	3" Flexible Metallic Conduit	23.33	7.04
		For Flexible Aluminum Conduit, Add	*2.27*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.44*	
		For Installation In Metal Stud Wall, Add	*0.96*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.40*	
		For Work In Restricted Working Space, Add	*2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1799	LF	3-1/2" Flexible Metallic Conduit	28.52	7.68
		For Flexible Aluminum Conduit, Add	*2.86*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.68*	
		For Installation In Metal Stud Wall, Add	*1.12*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.80*	
		For Work In Restricted Working Space, Add	*3.36*	
26 05 33 13-1800	LF	4" Flexible Metallic Conduit	32.79	8.96
		For Flexible Aluminum Conduit, Add	*3.30*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.92*	
		For Installation In Metal Stud Wall, Add	*1.28*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.20*	
		For Work In Restricted Working Space, Add	*3.84*	

26 05 33 13-1801 Plain Squeeze Type Straight Connector *(26 05 33 13-1788)*

26 05 33 13-1802	EA	3/8" Flexible Straight Connectors, Plain	9.31	5.12
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1803	EA	1/2" Flexible Straight Connectors, Plain	11.35	5.75
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1804	EA	3/4" Flexible Straight Connectors, Plain	13.12	7.04
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1805	EA	1" Flexible Straight Connectors, Plain	20.54	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-1806	EA	1-1/4" Flexible Straight Connectors, Plain	28.67	8.96
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1807	EA	1-1/2" Flexible Straight Connectors, Plain	37.59	10.88
		For Work In Restricted Working Space, Add	*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 33 13-1808	EA	2" Flexible Straight Connectors, Plain	49.02	10.88
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 33 13-1809	EA	2-1/2" Flexible Straight Connectors, Plain	77.15	13.43
		For Work In Restricted Working Space, Add	*8.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 05 33 13-1810	EA	3" Flexible Straight Connectors, Plain	100.14	14.72
		For Work In Restricted Working Space, Add	*9.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 33 13-1811	EA	3-1/2" Flexible Straight Connectors, Plain	299.53	17.27
		For Work In Restricted Working Space, Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 05 33 13-1812	EA	4" Flexible Straight Connectors, Plain	373.39	21.11
		For Work In Restricted Working Space, Add	*12.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	

26 05 33 13-1813 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-1788)*

26 05 33 13-1814	EA	1/2" Flexible Straight Connectors, Insulated	12.50	5.75
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1815	EA	3/4" Flexible Straight Connectors, Insulated	14.63	7.04
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1816	EA	1" Flexible Straight Connectors, Insulated	22.60	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-1817	EA	1-1/4" Flexible Straight Connectors, Insulated	32.45	8.96
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1818	EA	1-1/2" Flexible Straight Connectors, Insulated	44.32	9.59
		For Work In Restricted Working Space, Add	*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 33 13-1819	EA	2" Flexible Straight Connectors, Insulated	60.90	10.88
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 33 13-1820	EA	2-1/2" Flexible Straight Connectors, Insulated	102.56	13.43
		For Work In Restricted Working Space, Add	*8.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 05 33 13-1821	EA	3" Flexible Straight Connectors, Insulated	130.10	14.72
		For Work In Restricted Working Space, Add	*9.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 33 13-1822	EA	3-1/2" Flexible Straight Connectors, Insulated	345.70	17.27
		For Work In Restricted Working Space, Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 05 33 13-1823	EA	4" Flexible Straight Connectors, Insulated	442.82	21.11
		For Work In Restricted Working Space, Add	*12.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	

26 05 33 13-1824 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-1788)*

26 05 33 13-1825	EA	3/8" Flexible 90 Degree Connector, Plain	12.97	6.40
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1826	EA	1/2" Flexible 90 Degree Connector, Plain	16.85	7.04
		For Work In Restricted Working Space, Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-1827	EA	3/4" Flexible 90 Degree Connector, Plain	21.65	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-1828	EA	1" Flexible 90 Degree Connector, Plain	29.97	8.96
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1829	EA	1-1/4" Flexible 90 Degree Connector, Plain	45.72	9.59
		For Work In Restricted Working Space, Add	*5.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 05 33 13-1830	EA	1-1/2" Flexible 90 Degree Connector, Plain	70.35	11.20
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 33 13-1831	EA	2" Flexible 90 Degree Connector, Plain	84.51	13.75
		For Work In Restricted Working Space, Add	*8.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	
26 05 33 13-1832	EA	2-1/2" Flexible 90 Degree Connector, Plain	181.39	14.72
		For Work In Restricted Working Space, Add	*9.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 33 13-1833	EA	3" Flexible 90 Degree Connector, Plain	232.11	17.27
		For Work In Restricted Working Space, Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 05 33 13-1834	EA	3-1/2" Flexible 90 Degree Connector, Plain	485.99	21.11
		For Work In Restricted Working Space, Add	*12.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-1835	EA	4" Flexible 90 Degree Connector, Plain	864.12	24.00
		For Work In Restricted Working Space, Add	*14.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	

26 05 33 13-1836 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-1788)*

26 05 33 13-1837	EA	1/2" Flexible 90 Degree Connector, Insulated	18.45	7.04
		For Work In Restricted Working Space, Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-1838	EA	3/4" Flexible 90 Degree Connector, Insulated	23.62	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-1839	EA	1" Flexible 90 Degree Connector, Insulated	29.97	8.96
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1840	EA	1-1/4" Flexible 90 Degree Connector, Insulated	52.73	9.59
		For Work In Restricted Working Space, Add	*5.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 05 33 13-1841	EA	1-1/2" Flexible 90 Degree Connector, Insulated	83.08	11.20
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 33 13-1842	EA	2" Flexible 90 Degree Connector, Insulated	105.21	13.75
		For Work In Restricted Working Space, Add	*8.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	
26 05 33 13-1843	EA	2-1/2" Flexible 90 Degree Connector, Insulated	246.09	14.72
		For Work In Restricted Working Space, Add	*9.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 05 33 13-1844	EA	3" Flexible 90 Degree Connector, Insulated	302.21	17.27
		For Work In Restricted Working Space, Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 05 33 13-1845	EA	3-1/2" Flexible 90 Degree Connector, Insulated	803.70	21.11
		For Work In Restricted Working Space, Add	*12.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-1846	EA	4" Flexible 90 Degree Connector, Insulated	1,196.88	24.00
		For Work In Restricted Working Space, Add	*14.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	

26 05 33 13-1847 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-1788)*

26 05 33 13-1848	EA	3/8" Flexible 45 Degree Connector, Plain	14.26	6.40
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1849	EA	1/2" Flexible 45 Degree Connector, Plain	18.92	7.04
		For Work In Restricted Working Space, Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-1850	EA	3/4" Flexible 45 Degree Connector, Plain	23.96	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	

26 05 33 13-1851 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-1788)*

26 05 33 13-1852	EA	3/8" Flexible 45 Degree Connector, Insulated	15.15	7.68
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1853	EA	1/2" Flexible 45 Degree Connector, Insulated	20.38	7.04
		For Work In Restricted Working Space, Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-1854	EA	3/4" Flexible 45 Degree Connector, Insulated	26.03	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1855		Plain Screw-In Connector *(26 05 33 13-1788)*			
26 05 33 13-1856	EA	3/8" Flexible Steel Screw-in Connector, Plain		7.98	5.12
		For Work In Restricted Working Space, Add		*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.16*	
26 05 33 13-1857	EA	1/2" Flexible Steel Screw-in Connector, Plain		8.65	5.75
		For Work In Restricted Working Space, Add		*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.40*	
26 05 33 13-1858	EA	3/4" Flexible Steel Screw-in Connector, Plain		10.90	7.04
		For Work In Restricted Working Space, Add		*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.88*	
26 05 33 13-1859	EA	1" Flexible Steel Screw-in Connector, Plain		15.44	7.68
		For Work In Restricted Working Space, Add		*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.84*	
26 05 33 13-1860	EA	1-1/4" Flexible Steel Screw-in Connector, Plain		22.18	8.96
		For Work In Restricted Working Space, Add		*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.80*	
26 05 33 13-1861	EA	1-1/2" Flexible Steel Screw-in Connector, Plain		27.20	9.59
		For Work In Restricted Working Space, Add		*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.00*	
26 05 33 13-1862	EA	2" Flexible Steel Screw-in Connector, Plain		38.94	10.88
		For Work In Restricted Working Space, Add		*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.20*	
26 05 33 13-1863		Insulated Screw-In Connector *(26 05 33 13-1788)*			
26 05 33 13-1864	EA	3/8" Flexible Steel Screw-in Connector, Insulated		8.36	5.12
		For Work In Restricted Working Space, Add		*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.16*	
26 05 33 13-1865	EA	1/2" Flexible Steel Screw-in Connector, Insulated		8.95	5.75
		For Work In Restricted Working Space, Add		*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.40*	
26 05 33 13-1866	EA	3/4" Flexible Steel Screw-in Connector, Insulated		11.69	7.04
		For Work In Restricted Working Space, Add		*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.88*	
26 05 33 13-1867	EA	1" Flexible Steel Screw-in Connector, Insulated		16.64	7.68
		For Work In Restricted Working Space, Add		*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.84*	
26 05 33 13-1868	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated		23.88	8.96
		For Work In Restricted Working Space, Add		*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.80*	
26 05 33 13-1869	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated		29.24	9.59
		For Work In Restricted Working Space, Add		*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.00*	
26 05 33 13-1870	EA	2" Flexible Steel Screw-in Connector, Insulated		40.74	10.88
		For Work In Restricted Working Space, Add		*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.20*	
26 05 33 13-1871		Screw-In Coupling *(26 05 33 13-1788)*			
26 05 33 13-1872	EA	1/2" Flexible Steel Screw-in Coupling		9.40	5.75
		For Work In Restricted Working Space, Add		*2.40*	
26 05 33 13-1873	EA	3/4" Flexible Steel Screw-in Coupling		12.14	7.04
		For Work In Restricted Working Space, Add		*2.88*	
26 05 33 13-1874		Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-1788)*			
26 05 33 13-1875	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling		11.95	5.12
		For Work In Restricted Working Space, Add		*2.16*	
26 05 33 13-1876	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling		15.92	5.75
		For Work In Restricted Working Space, Add		*2.40*	
26 05 33 13-1877	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling		20.85	7.04
		For Work In Restricted Working Space, Add		*2.88*	
26 05 33 13-1878		Die Cast Squeeze Type Straight Connector *(26 05 33 13-1788)*			
26 05 33 13-1879	EA	3/8" Flexible Straight Connector, Die Cast		8.22	5.12
		For Work In Restricted Working Space, Add		*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.16*	
26 05 33 13-1880	EA	1/2" Flexible Straight Connector, Die Cast		9.27	5.75
		For Work In Restricted Working Space, Add		*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.40*	
26 05 33 13-1881	EA	3/4" Flexible Straight Connector, Die Cast		11.43	7.04
		For Work In Restricted Working Space, Add		*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.88*	
26 05 33 13-1882	EA	1" Flexible Straight Connector, Die Cast		16.91	7.68
		For Work In Restricted Working Space, Add		*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.84*	
26 05 33 13-1883	EA	1-1/4" Flexible Straight Connector, Die Cast		22.54	8.96
		For Work In Restricted Working Space, Add		*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.80*	
26 05 33 13-1884	EA	1-1/2" Flexible Straight Connector, Die Cast		30.27	9.59
		For Work In Restricted Working Space, Add		*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.00*	
26 05 33 13-1885	EA	2" Flexible Straight Connector, Die Cast		38.77	10.88
		For Work In Restricted Working Space, Add		*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-1886 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-1788)*

26 05 33 13-1887	EA	3/8" Flexible 90 Degree Connector, Die Cast	10.89	6.40
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1888	EA	1/2" Flexible 90 Degree Connector, Die Cast	13.38	7.04
		For Work In Restricted Working Space, Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-1889	EA	3/4" Flexible 90 Degree Connector, Die Cast	16.08	7.68
		For Work In Restricted Working Space, Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-1890	EA	1" Flexible 90 Degree Connector, Die Cast	24.67	8.96
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1891	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	34.34	9.59
		For Work In Restricted Working Space, Add	*5.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 05 33 13-1892	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	52.25	11.20
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 33 13-1893	EA	2" Flexible 90 Degree Connector, Die Cast	62.19	13.75
		For Work In Restricted Working Space, Add	*8.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	

26 05 33 13-1894 Flexible Liquid Tight Non-Metallic Conduit And Connectors *(26 05 33 13-1746)*

26 05 33 13-1895 Flexible Liquid Tight Non-Metallic Conduit *(26 05 33 13-1894)*

26 05 33 13-1896	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	5.30	1.76
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-1897	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	5.38	1.76
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-1898	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	7.23	2.34
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-1899	LF	1" Flexible Liquid Tight Non-Metallic Conduit	8.63	2.34
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-1900	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	10.93	2.92
		For Work In Restricted Working Space, Add	*2.19*	
26 05 33 13-1901	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	13.81	3.51
		For Work In Restricted Working Space, Add	*2.63*	
26 05 33 13-1902	LF	2" Flexible Liquid Tight Non-Metallic Conduit	17.83	4.67
		For Work In Restricted Working Space, Add	*3.51*	

26 05 33 13-1903 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-1894)*

26 05 33 13-1904	EA	3/8" Liquid Tight Non-Metallic Straight Connector	15.08	4.67
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-1905	EA	1/2" Liquid Tight Non-Metallic Straight Connector	15.08	4.67
		For Work In Restricted Working Space, Add	*3.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	
26 05 33 13-1906	EA	3/4" Liquid Tight Non-Metallic Straight Connector	18.17	5.27
		For Work In Restricted Working Space, Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 05 33 13-1907	EA	1" Liquid Tight Non-Metallic Straight Connector	22.14	5.85
		For Work In Restricted Working Space, Add	*4.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-1908	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	29.60	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1909	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	36.36	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1910	EA	2" Liquid Tight Non-Metallic Straight Connector	54.98	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	

26 05 33 13-1911 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-1894)*

26 05 33 13-1912	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	21.59	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1913	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	21.59	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1914	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	26.02	7.02
		For Work In Restricted Working Space, Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1915	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	35.76	8.18
		For Work In Restricted Working Space, Add	*6.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-1916	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	37.15	8.77
		For Work In Restricted Working Space, Add	*6.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1917	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	56.05	9.36
		For Work In Restricted Working Space, Add	*7.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1918		EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	74.09	10.52
			For Work In Restricted Working Space, Add	*7.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-1919			**Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-1894)*		
26 05 33 13-1920		EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	21.59	6.43
			For Work In Restricted Working Space, Add	*4.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1921		EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	21.59	6.43
			For Work In Restricted Working Space, Add	*4.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1922		EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	26.02	7.02
			For Work In Restricted Working Space, Add	*5.26*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-1923		EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	35.76	8.18
			For Work In Restricted Working Space, Add	*6.14*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 05 33 13-1924		EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	37.15	8.77
			For Work In Restricted Working Space, Add	*6.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.58*	
26 05 33 13-1925		EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	56.05	9.36
			For Work In Restricted Working Space, Add	*7.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-1926		EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	74.09	10.52
			For Work In Restricted Working Space, Add	*7.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-1927			**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-1746)*		
			Note: Carlon - FLEX-PLUS.		
26 05 33 13-1928			**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-1927)*		
26 05 33 13-1929		LF	1/2" Blue ENT Electrical Non-Metallic Tubing	6.46	1.91
			For Work In Restricted Working Space, Add	*1.44*	
26 05 33 13-1930		LF	3/4" Blue ENT Electrical Non-Metallic Tubing	8.72	2.56
			For Work In Restricted Working Space, Add	*1.92*	
26 05 33 13-1931		LF	1" Blue ENT Electrical Non-Metallic Tubing	10.14	2.56
			For Work In Restricted Working Space, Add	*1.92*	
26 05 33 13-1932			**Terminal Adapter** *(26 05 33 13-1927)*		
26 05 33 13-1933		EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	15.53	5.12
			For Work In Restricted Working Space, Add	*3.84*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-1934		EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	19.39	5.75
			For Work In Restricted Working Space, Add	*4.32*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	
26 05 33 13-1935		EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	22.42	6.40
			For Work In Restricted Working Space, Add	*4.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1936			**Coupling** *(26 05 33 13-1927)*		
26 05 33 13-1937		EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	15.18	5.12
			For Work In Restricted Working Space, Add	*3.84*	
26 05 33 13-1938		EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	17.49	5.75
			For Work In Restricted Working Space, Add	*4.32*	
26 05 33 13-1939		EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	20.63	6.40
			For Work In Restricted Working Space, Add	*4.80*	
26 05 33 13-1940			**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-1941			**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-1940)*		
			Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-1942			**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-1941)*		
26 05 33 13-1943		EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	79.02	28.06
			For Mogul LB, Add	*3.15*	
			For Work In Restricted Working Space, Add	*21.05*	
			For Elevated Installation >10' To 15', Add	*7.02*	
			For Elevated Installation >15' To 20', Add	*14.03*	
			For Elevated Installation >20' To 25', Add	*17.54*	
			For Elevated Installation >25' To 30', Add	*24.55*	
			For Elevated Installation >30' To 35', Add	*28.06*	
			For Elevated Installation >35' To 40', Add	*35.08*	
			For Elevated Installation >40', Add	*38.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1944	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.43	32.15
		For Mogul LB, Add	*5.02*	
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-1945	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	110.69	37.42
		For Mogul LB, Add	*8.19*	
		For Work In Restricted Working Space, Add	*28.06*	
		For Elevated Installation >10' To 15', Add	*9.35*	
		For Elevated Installation >15' To 20', Add	*18.71*	
		For Elevated Installation >20' To 25', Add	*23.39*	
		For Elevated Installation >25' To 30', Add	*32.74*	
		For Elevated Installation >30' To 35', Add	*37.42*	
		For Elevated Installation >35' To 40', Add	*46.77*	
		For Elevated Installation >40', Add	*51.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.06*	
26 05 33 13-1946	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	132.31	42.67
		For Mogul LB, Add	*13.87*	
		For Work In Restricted Working Space, Add	*32.01*	
		For Elevated Installation >10' To 15', Add	*10.67*	
		For Elevated Installation >15' To 20', Add	*21.34*	
		For Elevated Installation >20' To 25', Add	*26.68*	
		For Elevated Installation >25' To 30', Add	*37.35*	
		For Elevated Installation >30' To 35', Add	*42.68*	
		For Elevated Installation >35' To 40', Add	*53.35*	
		For Elevated Installation >40', Add	*58.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.01*	
26 05 33 13-1947	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	149.97	46.77
		For Mogul LB, Add	*18.93*	
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-1948	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	193.66	56.12
		For Mogul LB, Add	*33.01*	
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.15*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-1949	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	315.41	78.93
		For Mogul LB, Add	*78.71*	
		For Work In Restricted Working Space, Add	*59.19*	
		For Elevated Installation >10' To 15', Add	*19.73*	
		For Elevated Installation >15' To 20', Add	*39.46*	
		For Elevated Installation >20' To 25', Add	*49.33*	
		For Elevated Installation >25' To 30', Add	*69.06*	
		For Elevated Installation >30' To 35', Add	*78.92*	
		For Elevated Installation >35' To 40', Add	*98.66*	
		For Elevated Installation >40', Add	*108.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.19*	
26 05 33 13-1950	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	415.57	105.23
		For Mogul LB, Add	*101.21*	
		For Work In Restricted Working Space, Add	*78.92*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.23*	
		For Elevated Installation >35' To 40', Add	*131.54*	
		For Elevated Installation >40', Add	*144.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.92*	
26 05 33 13-1951	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	546.94	131.54
		For Mogul LB, Add	*147.13*	
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1952	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	703.51	160.18
		For Mogul LB, Add	*207.26*	
		For Work In Restricted Working Space, Add	*120.14*	
		For Elevated Installation >10' To 15', Add	*40.05*	
		For Elevated Installation >15' To 20', Add	*80.09*	
		For Elevated Installation >20' To 25', Add	*100.12*	
		For Elevated Installation >25' To 30', Add	*140.16*	
		For Elevated Installation >30' To 35', Add	*160.19*	
		For Elevated Installation >35' To 40', Add	*200.24*	
		For Elevated Installation >40', Add	*220.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.14*	

26 05 33 13-1953 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1941)*

26 05 33 13-1954	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	80.10	28.06
		For Mogul LB, Add	*3.96*	
		For Work In Restricted Working Space, Add	*21.05*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.03*	
		For Elevated Installation >20' To 25', Add	*17.54*	
		For Elevated Installation >25' To 30', Add	*24.55*	
		For Elevated Installation >30' To 35', Add	*28.06*	
		For Elevated Installation >35' To 40', Add	*35.08*	
		For Elevated Installation >40', Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.05*	
26 05 33 13-1955	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	93.48	32.15
		For Mogul LB, Add	*5.81*	
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-1956	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.81	37.42
		For Mogul LB, Add	*9.78*	
		For Work In Restricted Working Space, Add	*28.06*	
		For Elevated Installation >10' To 15', Add	*9.35*	
		For Elevated Installation >15' To 20', Add	*18.71*	
		For Elevated Installation >20' To 25', Add	*23.39*	
		For Elevated Installation >25' To 30', Add	*32.74*	
		For Elevated Installation >30' To 35', Add	*37.42*	
		For Elevated Installation >35' To 40', Add	*46.77*	
		For Elevated Installation >40', Add	*51.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.06*	
26 05 33 13-1957	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	134.89	42.67
		For Mogul LB, Add	*15.81*	
		For Work In Restricted Working Space, Add	*32.01*	
		For Elevated Installation >10' To 15', Add	*10.67*	
		For Elevated Installation >15' To 20', Add	*21.34*	
		For Elevated Installation >20' To 25', Add	*26.68*	
		For Elevated Installation >25' To 30', Add	*37.35*	
		For Elevated Installation >30' To 35', Add	*42.68*	
		For Elevated Installation >35' To 40', Add	*53.35*	
		For Elevated Installation >40', Add	*58.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.01*	
26 05 33 13-1958	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	154.36	46.77
		For Mogul LB, Add	*22.23*	
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-1959	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	203.10	56.12
		For Mogul LB, Add	*40.09*	
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.15*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1960	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	310.65	78.93
		For Mogul LB, Add	*75.14*	
		For Work In Restricted Working Space, Add	*59.19*	
		For Elevated Installation >10' To 15', Add	*19.73*	
		For Elevated Installation >15' To 20', Add	*39.46*	
		For Elevated Installation >20' To 25', Add	*49.33*	
		For Elevated Installation >25' To 30', Add	*69.06*	
		For Elevated Installation >30' To 35', Add	*78.92*	
		For Elevated Installation >35' To 40', Add	*98.66*	
		For Elevated Installation >40', Add	*108.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.19*	
26 05 33 13-1961	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	399.56	105.23
		For Mogul LB, Add	*89.21*	
		For Work In Restricted Working Space, Add	*78.92*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.23*	
		For Elevated Installation >35' To 40', Add	*131.54*	
		For Elevated Installation >40', Add	*144.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.92*	
26 05 33 13-1962	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	560.57	131.54
		For Mogul LB, Add	*157.35*	
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-1963	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	731.40	160.18
		For Mogul LB, Add	*228.17*	
		For Work In Restricted Working Space, Add	*120.14*	
		For Elevated Installation >10' To 15', Add	*40.05*	
		For Elevated Installation >15' To 20', Add	*80.09*	
		For Elevated Installation >20' To 25', Add	*100.12*	
		For Elevated Installation >25' To 30', Add	*140.16*	
		For Elevated Installation >30' To 35', Add	*160.19*	
		For Elevated Installation >35' To 40', Add	*200.24*	
		For Elevated Installation >40', Add	*220.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.14*	
26 05 33 13-1964		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1941)*		
26 05 33 13-1965	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	92.14	32.15
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-1966	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	108.68	37.42
		For Work In Restricted Working Space, Add	*28.06*	
		For Elevated Installation >10' To 15', Add	*9.35*	
		For Elevated Installation >15' To 20', Add	*18.71*	
		For Elevated Installation >20' To 25', Add	*23.39*	
		For Elevated Installation >25' To 30', Add	*32.74*	
		For Elevated Installation >30' To 35', Add	*37.42*	
		For Elevated Installation >35' To 40', Add	*46.77*	
		For Elevated Installation >40', Add	*51.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.06*	
26 05 33 13-1967	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	123.74	40.93
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	
26 05 33 13-1968	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	149.41	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1969	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	170.84	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.59*	
26 05 33 13-1970	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	222.75	60.21
		For Work In Restricted Working Space, Add	*45.16*	
		For Elevated Installation >10' To 15', Add	*15.05*	
		For Elevated Installation >15' To 20', Add	*30.11*	
		For Elevated Installation >20' To 25', Add	*37.64*	
		For Elevated Installation >25' To 30', Add	*52.69*	
		For Elevated Installation >30' To 35', Add	*60.22*	
		For Elevated Installation >35' To 40', Add	*75.27*	
		For Elevated Installation >40', Add	*82.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.16*	
26 05 33 13-1971	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	346.82	87.69
		For Work In Restricted Working Space, Add	*65.77*	
		For Elevated Installation >10' To 15', Add	*21.92*	
		For Elevated Installation >15' To 20', Add	*43.85*	
		For Elevated Installation >20' To 25', Add	*54.81*	
		For Elevated Installation >25' To 30', Add	*76.73*	
		For Elevated Installation >30' To 35', Add	*87.69*	
		For Elevated Installation >35' To 40', Add	*109.62*	
		For Elevated Installation >40', Add	*120.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.77*	
26 05 33 13-1972	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	448.55	114.00
		For Work In Restricted Working Space, Add	*85.50*	
		For Elevated Installation >10' To 15', Add	*28.50*	
		For Elevated Installation >15' To 20', Add	*57.00*	
		For Elevated Installation >20' To 25', Add	*71.25*	
		For Elevated Installation >25' To 30', Add	*99.75*	
		For Elevated Installation >30' To 35', Add	*114.00*	
		For Elevated Installation >35' To 40', Add	*142.50*	
		For Elevated Installation >40', Add	*156.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.50*	
26 05 33 13-1973	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	690.46	140.30
		For Work In Restricted Working Space, Add	*105.23*	
		For Elevated Installation >10' To 15', Add	*35.08*	
		For Elevated Installation >15' To 20', Add	*70.15*	
		For Elevated Installation >20' To 25', Add	*87.69*	
		For Elevated Installation >25' To 30', Add	*122.77*	
		For Elevated Installation >30' To 35', Add	*140.31*	
		For Elevated Installation >35' To 40', Add	*175.39*	
		For Elevated Installation >40', Add	*192.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.23*	
26 05 33 13-1974	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	796.41	168.96
		For Work In Restricted Working Space, Add	*126.72*	
		For Elevated Installation >10' To 15', Add	*42.24*	
		For Elevated Installation >15' To 20', Add	*84.48*	
		For Elevated Installation >20' To 25', Add	*105.60*	
		For Elevated Installation >25' To 30', Add	*147.84*	
		For Elevated Installation >30' To 35', Add	*168.96*	
		For Elevated Installation >35' To 40', Add	*211.20*	
		For Elevated Installation >40', Add	*232.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.72*	

26 05 33 13-1975 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1941)*

26 05 33 13-1976	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	80.32	28.06
		For Work In Restricted Working Space, Add	*21.05*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.03*	
		For Elevated Installation >20' To 25', Add	*17.54*	
		For Elevated Installation >25' To 30', Add	*24.55*	
		For Elevated Installation >30' To 35', Add	*28.06*	
		For Elevated Installation >35' To 40', Add	*35.08*	
		For Elevated Installation >40', Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.05*	
26 05 33 13-1977	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.73	32.15
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1978	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	110.49	36.83
		For Work In Restricted Working Space, Add	*27.62*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.42*	
		For Elevated Installation >20' To 25', Add	*23.02*	
		For Elevated Installation >25' To 30', Add	*32.23*	
		For Elevated Installation >30' To 35', Add	*36.83*	
		For Elevated Installation >35' To 40', Add	*46.04*	
		For Elevated Installation >40', Add	*50.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.62*	
26 05 33 13-1979	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	133.86	42.67
		For Work In Restricted Working Space, Add	*32.01*	
		For Elevated Installation >10' To 15', Add	*10.67*	
		For Elevated Installation >15' To 20', Add	*21.34*	
		For Elevated Installation >20' To 25', Add	*26.68*	
		For Elevated Installation >25' To 30', Add	*37.35*	
		For Elevated Installation >30' To 35', Add	*42.68*	
		For Elevated Installation >35' To 40', Add	*53.35*	
		For Elevated Installation >40', Add	*58.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.01*	
26 05 33 13-1980	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	149.25	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-1981	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	193.74	56.12
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.15*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-1982	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	306.64	78.93
		For Work In Restricted Working Space, Add	*59.19*	
		For Elevated Installation >10' To 15', Add	*19.73*	
		For Elevated Installation >15' To 20', Add	*39.46*	
		For Elevated Installation >20' To 25', Add	*49.33*	
		For Elevated Installation >25' To 30', Add	*69.06*	
		For Elevated Installation >30' To 35', Add	*78.92*	
		For Elevated Installation >35' To 40', Add	*98.66*	
		For Elevated Installation >40', Add	*108.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.19*	
26 05 33 13-1983	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	397.00	105.23
		For Work In Restricted Working Space, Add	*78.92*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.23*	
		For Elevated Installation >35' To 40', Add	*131.54*	
		For Elevated Installation >40', Add	*144.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.92*	
26 05 33 13-1984	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	552.37	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-1985	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	706.07	160.18
		For Work In Restricted Working Space, Add	*120.14*	
		For Elevated Installation >10' To 15', Add	*40.05*	
		For Elevated Installation >15' To 20', Add	*80.09*	
		For Elevated Installation >20' To 25', Add	*100.12*	
		For Elevated Installation >25' To 30', Add	*140.16*	
		For Elevated Installation >30' To 35', Add	*160.19*	
		For Elevated Installation >35' To 40', Add	*200.24*	
		For Elevated Installation >40', Add	*220.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.14*	

26 05 33 13-1986 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1941)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1987	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	106.52	36.83
		For Work In Restricted Working Space, Add	*27.62*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.42*	
		For Elevated Installation >20' To 25', Add	*23.02*	
		For Elevated Installation >25' To 30', Add	*32.23*	
		For Elevated Installation >30' To 35', Add	*36.83*	
		For Elevated Installation >35' To 40', Add	*46.04*	
		For Elevated Installation >40', Add	*50.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.62*	
26 05 33 13-1988	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	121.84	40.93
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	
26 05 33 13-1989	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	145.57	45.02
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-1990	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	167.52	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.59*	
26 05 33 13-1991	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	208.43	56.12
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.15*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-1992	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	252.81	68.99
		For Work In Restricted Working Space, Add	*51.74*	
		For Elevated Installation >10' To 15', Add	*17.25*	
		For Elevated Installation >15' To 20', Add	*34.49*	
		For Elevated Installation >20' To 25', Add	*43.12*	
		For Elevated Installation >25' To 30', Add	*60.36*	
		For Elevated Installation >30' To 35', Add	*68.99*	
		For Elevated Installation >35' To 40', Add	*86.24*	
		For Elevated Installation >40', Add	*94.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.74*	
26 05 33 13-1993	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	452.19	101.14
		For Work In Restricted Working Space, Add	*75.86*	
		For Elevated Installation >10' To 15', Add	*25.29*	
		For Elevated Installation >15' To 20', Add	*50.57*	
		For Elevated Installation >20' To 25', Add	*63.21*	
		For Elevated Installation >25' To 30', Add	*88.50*	
		For Elevated Installation >30' To 35', Add	*101.14*	
		For Elevated Installation >35' To 40', Add	*126.43*	
		For Elevated Installation >40', Add	*139.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.86*	
26 05 33 13-1994	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	562.37	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-1995	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	785.86	162.53
		For Work In Restricted Working Space, Add	*122.77*	
		For Elevated Installation >10' To 15', Add	*40.92*	
		For Elevated Installation >15' To 20', Add	*81.85*	
		For Elevated Installation >20' To 25', Add	*102.31*	
		For Elevated Installation >25' To 30', Add	*143.23*	
		For Elevated Installation >30' To 35', Add	*163.69*	
		For Elevated Installation >35' To 40', Add	*204.62*	
		For Elevated Installation >40', Add	*225.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1996	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	947.62	195.26
		For Work In Restricted Working Space, Add	*146.45*	
		For Elevated Installation >10' To 15', Add	*48.82*	
		For Elevated Installation >15' To 20', Add	*97.63*	
		For Elevated Installation >20' To 25', Add	*122.04*	
		For Elevated Installation >25' To 30', Add	*170.86*	
		For Elevated Installation >30' To 35', Add	*195.26*	
		For Elevated Installation >35' To 40', Add	*244.08*	
		For Elevated Installation >40', Add	*268.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.45*	

26 05 33 13-1997 Threaded, Malleable Iron Conduit Body *(26 05 33 13-1940)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-1998 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1997)*

26 05 33 13-1999	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	82.04	28.06
		For Work In Restricted Working Space, Add	*21.05*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.03*	
		For Elevated Installation >20' To 25', Add	*17.54*	
		For Elevated Installation >25' To 30', Add	*24.55*	
		For Elevated Installation >30' To 35', Add	*28.06*	
		For Elevated Installation >35' To 40', Add	*35.08*	
		For Elevated Installation >40', Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.05*	
26 05 33 13-2000	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	94.96	32.15
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-2001	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	115.26	37.42
		For Work In Restricted Working Space, Add	*28.06*	
		For Elevated Installation >10' To 15', Add	*9.35*	
		For Elevated Installation >15' To 20', Add	*18.71*	
		For Elevated Installation >20' To 25', Add	*23.39*	
		For Elevated Installation >25' To 30', Add	*32.74*	
		For Elevated Installation >30' To 35', Add	*37.42*	
		For Elevated Installation >35' To 40', Add	*46.77*	
		For Elevated Installation >40', Add	*51.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.06*	
26 05 33 13-2002	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	145.67	42.67
		For Work In Restricted Working Space, Add	*32.01*	
		For Elevated Installation >10' To 15', Add	*10.67*	
		For Elevated Installation >15' To 20', Add	*21.34*	
		For Elevated Installation >20' To 25', Add	*26.67*	
		For Elevated Installation >25' To 30', Add	*37.34*	
		For Elevated Installation >30' To 35', Add	*42.68*	
		For Elevated Installation >35' To 40', Add	*53.35*	
		For Elevated Installation >40', Add	*58.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.01*	
26 05 33 13-2003	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	164.74	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.39*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.93*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.47*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-2004	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	220.32	56.12
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.16*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-2005	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	361.09	78.93
		For Work In Restricted Working Space, Add	*59.20*	
		For Elevated Installation >10' To 15', Add	*19.73*	
		For Elevated Installation >15' To 20', Add	*39.46*	
		For Elevated Installation >20' To 25', Add	*49.33*	
		For Elevated Installation >25' To 30', Add	*69.06*	
		For Elevated Installation >30' To 35', Add	*78.93*	
		For Elevated Installation >35' To 40', Add	*98.66*	
		For Elevated Installation >40', Add	*108.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2006	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	507.40	105.23
		For Work In Restricted Working Space, Add	*78.93*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.24*	
		For Elevated Installation >35' To 40', Add	*131.55*	
		For Elevated Installation >40', Add	*144.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.93*	
26 05 33 13-2007	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	690.54	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-2008	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	828.18	160.18
		For Work In Restricted Working Space, Add	*120.14*	
		For Elevated Installation >10' To 15', Add	*40.05*	
		For Elevated Installation >15' To 20', Add	*80.10*	
		For Elevated Installation >20' To 25', Add	*100.12*	
		For Elevated Installation >25' To 30', Add	*140.17*	
		For Elevated Installation >30' To 35', Add	*160.19*	
		For Elevated Installation >35' To 40', Add	*200.24*	
		For Elevated Installation >40', Add	*220.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.14*	

26 05 33 13-2009 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1997)*

26 05 33 13-2010	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	84.79	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.05*	
26 05 33 13-2011	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	95.77	32.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-2012	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	119.47	37.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.06*	
26 05 33 13-2013	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	148.48	42.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.01*	
26 05 33 13-2014	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	168.18	46.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-2015	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	213.25	56.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-2016	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	321.82	78.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.20*	
26 05 33 13-2017	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	436.79	105.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.93*	
26 05 33 13-2018	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	732.12	131.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-2019	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	858.85	160.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.14*	

26 05 33 13-2020 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1997)*

26 05 33 13-2021	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	100.01	32.15
		For Work In Restricted Working Space, Add	*24.11*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.13*	
		For Elevated Installation >30' To 35', Add	*32.15*	
		For Elevated Installation >35' To 40', Add	*40.19*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.11*	
26 05 33 13-2022	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	117.96	37.42
		For Work In Restricted Working Space, Add	*28.50*	
		For Elevated Installation >10' To 15', Add	*9.50*	
		For Elevated Installation >15' To 20', Add	*19.00*	
		For Elevated Installation >20' To 25', Add	*23.75*	
		For Elevated Installation >25' To 30', Add	*33.25*	
		For Elevated Installation >30' To 35', Add	*38.00*	
		For Elevated Installation >35' To 40', Add	*47.50*	
		For Elevated Installation >40', Add	*52.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.50*	
26 05 33 13-2023	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	137.03	40.93
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2024	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	169.26	46.77
		For Work In Restricted Working Space, Add	*34.64*	
		For Elevated Installation >10' To 15', Add	*11.55*	
		For Elevated Installation >15' To 20', Add	*23.09*	
		For Elevated Installation >20' To 25', Add	*28.87*	
		For Elevated Installation >25' To 30', Add	*40.41*	
		For Elevated Installation >30' To 35', Add	*46.18*	
		For Elevated Installation >35' To 40', Add	*57.73*	
		For Elevated Installation >40', Add	*63.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.64*	
26 05 33 13-2025	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	193.27	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.59*	
26 05 33 13-2026	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	251.82	60.21
		For Work In Restricted Working Space, Add	*45.16*	
		For Elevated Installation >10' To 15', Add	*15.05*	
		For Elevated Installation >15' To 20', Add	*30.11*	
		For Elevated Installation >20' To 25', Add	*37.64*	
		For Elevated Installation >25' To 30', Add	*52.69*	
		For Elevated Installation >30' To 35', Add	*60.22*	
		For Elevated Installation >35' To 40', Add	*75.27*	
		For Elevated Installation >40', Add	*82.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.16*	
26 05 33 13-2027	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	325.49	87.69
		For Work In Restricted Working Space, Add	*65.77*	
		For Elevated Installation >10' To 15', Add	*21.92*	
		For Elevated Installation >15' To 20', Add	*43.85*	
		For Elevated Installation >20' To 25', Add	*54.81*	
		For Elevated Installation >25' To 30', Add	*76.73*	
		For Elevated Installation >30' To 35', Add	*87.69*	
		For Elevated Installation >35' To 40', Add	*109.62*	
		For Elevated Installation >40', Add	*120.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.77*	
26 05 33 13-2028	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	461.58	114.00
		For Work In Restricted Working Space, Add	*85.50*	
		For Elevated Installation >10' To 15', Add	*28.50*	
		For Elevated Installation >15' To 20', Add	*57.00*	
		For Elevated Installation >20' To 25', Add	*71.25*	
		For Elevated Installation >25' To 30', Add	*99.75*	
		For Elevated Installation >30' To 35', Add	*114.00*	
		For Elevated Installation >35' To 40', Add	*142.50*	
		For Elevated Installation >40', Add	*156.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.50*	
26 05 33 13-2029	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	773.25	140.30
		For Work In Restricted Working Space, Add	*105.23*	
		For Elevated Installation >10' To 15', Add	*35.08*	
		For Elevated Installation >15' To 20', Add	*70.15*	
		For Elevated Installation >20' To 25', Add	*87.69*	
		For Elevated Installation >25' To 30', Add	*122.77*	
		For Elevated Installation >30' To 35', Add	*140.31*	
		For Elevated Installation >35' To 40', Add	*175.39*	
		For Elevated Installation >40', Add	*192.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.23*	
26 05 33 13-2030	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	898.82	168.96
		For Work In Restricted Working Space, Add	*127.16*	
		For Elevated Installation >10' To 15', Add	*42.39*	
		For Elevated Installation >15' To 20', Add	*84.77*	
		For Elevated Installation >20' To 25', Add	*105.96*	
		For Elevated Installation >25' To 30', Add	*148.35*	
		For Elevated Installation >30' To 35', Add	*169.54*	
		For Elevated Installation >35' To 40', Add	*211.93*	
		For Elevated Installation >40', Add	*233.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.16*	

26 05 33 13-2031 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1997)*

26 05 33 13-2032	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	82.25	28.06
		For Work In Restricted Working Space, Add	*21.05*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.03*	
		For Elevated Installation >20' To 25', Add	*17.54*	
		For Elevated Installation >25' To 30', Add	*24.55*	
		For Elevated Installation >30' To 35', Add	*28.06*	
		For Elevated Installation >35' To 40', Add	*35.08*	
		For Elevated Installation >40', Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2033	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	98.53	32.15
		For Work In Restricted Working Space, Add	*24.12*	
		For Elevated Installation >10' To 15', Add	*8.04*	
		For Elevated Installation >15' To 20', Add	*16.08*	
		For Elevated Installation >20' To 25', Add	*20.10*	
		For Elevated Installation >25' To 30', Add	*28.14*	
		For Elevated Installation >30' To 35', Add	*32.16*	
		For Elevated Installation >35' To 40', Add	*40.20*	
		For Elevated Installation >40', Add	*44.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.12*	
26 05 33 13-2034	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	114.79	36.83
		For Work In Restricted Working Space, Add	*27.62*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.42*	
		For Elevated Installation >20' To 25', Add	*23.02*	
		For Elevated Installation >25' To 30', Add	*32.23*	
		For Elevated Installation >30' To 35', Add	*36.83*	
		For Elevated Installation >35' To 40', Add	*46.04*	
		For Elevated Installation >40', Add	*50.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.62*	
26 05 33 13-2035	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	150.86	42.67
		For Work In Restricted Working Space, Add	*32.01*	
		For Elevated Installation >10' To 15', Add	*10.67*	
		For Elevated Installation >15' To 20', Add	*21.34*	
		For Elevated Installation >20' To 25', Add	*26.68*	
		For Elevated Installation >25' To 30', Add	*37.35*	
		For Elevated Installation >30' To 35', Add	*42.68*	
		For Elevated Installation >35' To 40', Add	*53.35*	
		For Elevated Installation >40', Add	*58.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.01*	
26 05 33 13-2036	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	174.45	46.77
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15', Add	*11.69*	
		For Elevated Installation >15' To 20', Add	*23.38*	
		For Elevated Installation >20' To 25', Add	*29.23*	
		For Elevated Installation >25' To 30', Add	*40.92*	
		For Elevated Installation >30' To 35', Add	*46.77*	
		For Elevated Installation >35' To 40', Add	*58.46*	
		For Elevated Installation >40', Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	
26 05 33 13-2037	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	223.10	56.12
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.16*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-2038	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	512.26	148.06
		For Work In Restricted Working Space, Add	*110.99*	
		For Elevated Installation >10' To 15', Add	*37.00*	
		For Elevated Installation >15' To 20', Add	*73.99*	
		For Elevated Installation >20' To 25', Add	*92.49*	
		For Elevated Installation >25' To 30', Add	*129.49*	
		For Elevated Installation >30' To 35', Add	*147.99*	
		For Elevated Installation >35' To 40', Add	*184.99*	
		For Elevated Installation >40', Add	*203.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.99*	
26 05 33 13-2039	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	466.44	105.23
		For Work In Restricted Working Space, Add	*78.93*	
		For Elevated Installation >10' To 15', Add	*26.31*	
		For Elevated Installation >15' To 20', Add	*52.62*	
		For Elevated Installation >20' To 25', Add	*65.77*	
		For Elevated Installation >25' To 30', Add	*92.08*	
		For Elevated Installation >30' To 35', Add	*105.24*	
		For Elevated Installation >35' To 40', Add	*131.55*	
		For Elevated Installation >40', Add	*144.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.93*	
26 05 33 13-2040	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	732.12	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-2041	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	858.82	160.18
		For Work In Restricted Working Space, Add	*120.14*	
		For Elevated Installation >10' To 15', Add	*40.05*	
		For Elevated Installation >15' To 20', Add	*80.09*	
		For Elevated Installation >20' To 25', Add	*100.11*	
		For Elevated Installation >25' To 30', Add	*140.16*	
		For Elevated Installation >30' To 35', Add	*160.18*	
		For Elevated Installation >35' To 40', Add	*200.23*	
		For Elevated Installation >40', Add	*220.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2042		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1997)*		
26 05 33 13-2043	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	113.84	36.83
		For Work In Restricted Working Space, Add	*27.62*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.42*	
		For Elevated Installation >20' To 25', Add	*23.02*	
		For Elevated Installation >25' To 30', Add	*32.23*	
		For Elevated Installation >30' To 35', Add	*36.83*	
		For Elevated Installation >35' To 40', Add	*46.04*	
		For Elevated Installation >40', Add	*50.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.62*	
26 05 33 13-2044	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	124.88	40.93
		For Work In Restricted Working Space, Add	*30.69*	
		For Elevated Installation >10' To 15', Add	*10.23*	
		For Elevated Installation >15' To 20', Add	*20.46*	
		For Elevated Installation >20' To 25', Add	*25.58*	
		For Elevated Installation >25' To 30', Add	*35.81*	
		For Elevated Installation >30' To 35', Add	*40.92*	
		For Elevated Installation >35' To 40', Add	*51.16*	
		For Elevated Installation >40', Add	*56.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.69*	
26 05 33 13-2045	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	143.51	45.02
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-2046	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	169.52	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.59*	
26 05 33 13-2047	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	193.67	56.12
		For Work In Restricted Working Space, Add	*42.09*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.06*	
		For Elevated Installation >20' To 25', Add	*35.08*	
		For Elevated Installation >25' To 30', Add	*49.11*	
		For Elevated Installation >30' To 35', Add	*56.12*	
		For Elevated Installation >35' To 40', Add	*70.15*	
		For Elevated Installation >40', Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.09*	
26 05 33 13-2048	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	265.39	68.99
		For Work In Restricted Working Space, Add	*51.74*	
		For Elevated Installation >10' To 15', Add	*17.25*	
		For Elevated Installation >15' To 20', Add	*34.49*	
		For Elevated Installation >20' To 25', Add	*43.12*	
		For Elevated Installation >25' To 30', Add	*60.36*	
		For Elevated Installation >30' To 35', Add	*68.99*	
		For Elevated Installation >35' To 40', Add	*86.24*	
		For Elevated Installation >40', Add	*94.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.74*	
26 05 33 13-2049	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	418.74	101.14
		For Work In Restricted Working Space, Add	*75.86*	
		For Elevated Installation >10' To 15', Add	*25.29*	
		For Elevated Installation >15' To 20', Add	*50.57*	
		For Elevated Installation >20' To 25', Add	*63.21*	
		For Elevated Installation >25' To 30', Add	*88.50*	
		For Elevated Installation >30' To 35', Add	*101.14*	
		For Elevated Installation >35' To 40', Add	*126.43*	
		For Elevated Installation >40', Add	*139.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.86*	
26 05 33 13-2050	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	604.53	131.54
		For Work In Restricted Working Space, Add	*98.66*	
		For Elevated Installation >10' To 15', Add	*32.89*	
		For Elevated Installation >15' To 20', Add	*65.77*	
		For Elevated Installation >20' To 25', Add	*82.21*	
		For Elevated Installation >25' To 30', Add	*115.10*	
		For Elevated Installation >30' To 35', Add	*131.54*	
		For Elevated Installation >35' To 40', Add	*164.43*	
		For Elevated Installation >40', Add	*180.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.66*	
26 05 33 13-2051	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	883.02	162.53
		For Work In Restricted Working Space, Add	*121.89*	
		For Elevated Installation >10' To 15', Add	*40.63*	
		For Elevated Installation >15' To 20', Add	*81.26*	
		For Elevated Installation >20' To 25', Add	*101.58*	
		For Elevated Installation >25' To 30', Add	*142.21*	
		For Elevated Installation >30' To 35', Add	*162.52*	
		For Elevated Installation >35' To 40', Add	*203.16*	
		For Elevated Installation >40', Add	*223.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2052	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	994.31	195.26
		For Work In Restricted Working Space, Add	*146.45*	
		For Elevated Installation >10' To 15', Add	*48.82*	
		For Elevated Installation >15' To 20', Add	*97.63*	
		For Elevated Installation >20' To 25', Add	*122.04*	
		For Elevated Installation >25' To 30', Add	*170.86*	
		For Elevated Installation >30' To 35', Add	*195.26*	
		For Elevated Installation >35' To 40', Add	*244.08*	
		For Elevated Installation >40', Add	*268.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.45*	

26 05 33 13-2053 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-1940)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2054 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2053)*

26 05 33 13-2055	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.09	11.11
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-2056	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	48.95	14.61
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-2057	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	65.34	18.12
		For Work In Restricted Working Space, Add	*13.59*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.33*	
		For Elevated Installation >25' To 30', Add	*15.86*	
		For Elevated Installation >30' To 35', Add	*18.12*	
		For Elevated Installation >35' To 40', Add	*22.66*	
		For Elevated Installation >40', Add	*24.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-2058	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.03	22.21
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.22*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.66*	
26 05 33 13-2059	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	108.62	25.72
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2060	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	141.28	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	

26 05 33 13-2061 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2053)*

26 05 33 13-2062	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.38	11.11
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2063	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	50.04	14.61
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-2064	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	61.55	18.12
		For Work In Restricted Working Space, Add	*13.59*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.33*	
		For Elevated Installation >25' To 30', Add	*15.86*	
		For Elevated Installation >30' To 35', Add	*18.12*	
		For Elevated Installation >35' To 40', Add	*22.66*	
		For Elevated Installation >40', Add	*24.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-2065	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	83.71	22.21
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.22*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.66*	
26 05 33 13-2066	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	102.32	25.72
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2067	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	140.74	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	
26 05 33 13-2068		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2053)*		
26 05 33 13-2069	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	49.54	14.61
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-2070	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	64.04	18.12
		For Work In Restricted Working Space, Add	*13.59*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.33*	
		For Elevated Installation >25' To 30', Add	*15.86*	
		For Elevated Installation >30' To 35', Add	*18.12*	
		For Elevated Installation >35' To 40', Add	*22.66*	
		For Elevated Installation >40', Add	*24.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-2071	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	77.43	22.21
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.22*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2072	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	105.02	25.72
		For Work In Restricted Working Space, Add	*20.17*	
		For Elevated Installation >10' To 15', Add	*6.72*	
		For Elevated Installation >15' To 20', Add	*13.45*	
		For Elevated Installation >20' To 25', Add	*16.81*	
		For Elevated Installation >25' To 30', Add	*23.53*	
		For Elevated Installation >30' To 35', Add	*26.89*	
		For Elevated Installation >35' To 40', Add	*33.62*	
		For Elevated Installation >40', Add	*36.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.17*	
26 05 33 13-2073	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	133.10	29.23
		For Work In Restricted Working Space, Add	*23.68*	
		For Elevated Installation >10' To 15', Add	*7.89*	
		For Elevated Installation >15' To 20', Add	*15.79*	
		For Elevated Installation >20' To 25', Add	*19.73*	
		For Elevated Installation >25' To 30', Add	*27.63*	
		For Elevated Installation >30' To 35', Add	*31.57*	
		For Elevated Installation >35' To 40', Add	*39.47*	
		For Elevated Installation >40', Add	*43.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.68*	
26 05 33 13-2074	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	175.74	32.73
		For Work In Restricted Working Space, Add	*27.18*	
		For Elevated Installation >10' To 15', Add	*9.06*	
		For Elevated Installation >15' To 20', Add	*18.12*	
		For Elevated Installation >20' To 25', Add	*22.65*	
		For Elevated Installation >25' To 30', Add	*31.71*	
		For Elevated Installation >30' To 35', Add	*36.24*	
		For Elevated Installation >35' To 40', Add	*45.31*	
		For Elevated Installation >40', Add	*49.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.18*	
26 05 33 13-2075		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2053)*		
26 05 33 13-2076	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.30	11.11
		For Work In Restricted Working Space, Add	*8.33*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.94*	
		For Elevated Installation >25' To 30', Add	*9.72*	
		For Elevated Installation >30' To 35', Add	*11.11*	
		For Elevated Installation >35' To 40', Add	*13.89*	
		For Elevated Installation >40', Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-2077	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.45	14.61
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.79*	
		For Elevated Installation >30' To 35', Add	*14.62*	
		For Elevated Installation >35' To 40', Add	*18.27*	
		For Elevated Installation >40', Add	*20.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-2078	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	66.71	18.12
		For Work In Restricted Working Space, Add	*13.59*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.33*	
		For Elevated Installation >25' To 30', Add	*15.86*	
		For Elevated Installation >30' To 35', Add	*18.12*	
		For Elevated Installation >35' To 40', Add	*22.66*	
		For Elevated Installation >40', Add	*24.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-2079	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.67	22.21
		For Work In Restricted Working Space, Add	*16.66*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.44*	
		For Elevated Installation >30' To 35', Add	*22.22*	
		For Elevated Installation >35' To 40', Add	*27.77*	
		For Elevated Installation >40', Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.66*	
26 05 33 13-2080	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	103.45	25.72
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2081	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	151.25	29.23
		For Work In Restricted Working Space, Add	*21.92*	
		For Elevated Installation >10' To 15', Add	*7.31*	
		For Elevated Installation >15' To 20', Add	*14.62*	
		For Elevated Installation >20' To 25', Add	*18.27*	
		For Elevated Installation >25' To 30', Add	*25.58*	
		For Elevated Installation >30' To 35', Add	*29.23*	
		For Elevated Installation >35' To 40', Add	*36.54*	
		For Elevated Installation >40', Add	*40.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.92*	

26 05 33 13-2082 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1940)*

26 05 33 13-2083	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	184.29	32.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.03*	
26 05 33 13-2084	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	660.39	59.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.42*	
26 05 33 13-2085	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,273.21	120.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.11*	

26 05 33 13-2086 Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-1940)*

26 05 33 13-2087 Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2086)*

26 05 33 13-2088	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	14.31	5.70
26 05 33 13-2089	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	17.36	6.65
26 05 33 13-2090	EA	1" Replacement Stamped Aluminum Conduit Body Cover	22.25	8.55
26 05 33 13-2091	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	27.11	10.45
26 05 33 13-2092	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	33.11	12.35
26 05 33 13-2093	EA	2" Replacement Stamped Aluminum Conduit Body Cover	39.09	14.25
26 05 33 13-2094	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	50.62	16.15
26 05 33 13-2095	EA	3" Replacement Stamped Aluminum Conduit Body Cover	66.48	22.80
26 05 33 13-2096	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	72.26	25.65
26 05 33 13-2097	EA	4" Replacement Stamped Aluminum Conduit Body Cover	91.00	32.30

26 05 33 13-2098 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2086)*

26 05 33 13-2099	EA	1/2" Replacement Cast Steel Conduit Body Cover	16.28	5.70
26 05 33 13-2100	EA	3/4" Replacement Cast Steel Conduit Body Cover	19.08	6.65
26 05 33 13-2101	EA	1" Replacement Cast Steel Conduit Body Cover	26.51	8.55
26 05 33 13-2102	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	32.87	10.45
26 05 33 13-2103	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	39.82	12.35
26 05 33 13-2104	EA	2" Replacement Cast Steel Conduit Body Cover	46.77	14.25
26 05 33 13-2105	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	53.66	16.15
26 05 33 13-2106	EA	3" Replacement Cast Steel Conduit Body Cover	73.68	22.80
26 05 33 13-2107	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	83.59	25.65
26 05 33 13-2108	EA	4" Replacement Cast Steel Conduit Body Cover	105.34	32.30

26 05 33 13-2109 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2086)*

26 05 33 13-2110	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	13.42	5.70
26 05 33 13-2111	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	15.38	6.65
26 05 33 13-2112	EA	1" Replacement Velbuna Composition Conduit Body Gasket	20.04	8.55
26 05 33 13-2113	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	25.77	10.45
26 05 33 13-2114	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	29.57	12.35
26 05 33 13-2115	EA	2" Replacement Velbuna Composition Conduit Body Gasket	35.00	14.25
26 05 33 13-2116	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	45.03	16.15
26 05 33 13-2117	EA	3" Replacement Velbuna Composition Conduit Body Gasket	59.50	22.80
26 05 33 13-2118	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	65.65	25.65
26 05 33 13-2119	EA	4" Replacement Velbuna Composition Conduit Body Gasket	78.80	32.30

26 05 33 13-2120 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2086)*

26 05 33 13-2121	EA	1/2" Replacement Neoprene Conduit Body Gasket	14.79	5.70
26 05 33 13-2122	EA	3/4" Replacement Neoprene Conduit Body Gasket	16.69	6.65
26 05 33 13-2123	EA	1" Replacement Neoprene Conduit Body Gasket	21.77	8.55
26 05 33 13-2124	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	26.65	10.45
26 05 33 13-2125	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	30.45	12.35
26 05 33 13-2126	EA	2" Replacement Neoprene Conduit Body Gasket	35.09	14.25
26 05 33 13-2127	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	45.24	16.15
26 05 33 13-2128	EA	3" Replacement Neoprene Conduit Body Gasket	59.71	22.80
26 05 33 13-2129	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	67.11	25.65
26 05 33 13-2130	EA	4" Replacement Neoprene Conduit Body Gasket	80.26	32.30

26 05 33 13-2131 Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2132	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	24.21	
		For Work In Restricted Working Space, Add	*7.26*	
26 05 33 13-2133	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	27.25	
		For Work In Restricted Working Space, Add	*8.18*	
26 05 33 13-2134	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	32.06	
		For Work In Restricted Working Space, Add	*9.62*	
26 05 33 13-2135	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	35.59	
		For Work In Restricted Working Space, Add	*10.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2136	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	40.06	
		For Work In Restricted Working Space, Add	*12.02*	
26 05 33 13-2137	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	47.44	
		For Work In Restricted Working Space, Add	*14.23*	
26 05 33 13-2138	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	56.09	
		For Work In Restricted Working Space, Add	*16.83*	
26 05 33 13-2139	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	64.11	
		For Work In Restricted Working Space, Add	*19.23*	
26 05 33 13-2140	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	72.12	
		For Work In Restricted Working Space, Add	*21.64*	
26 05 33 13-2141	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	80.14	
		For Work In Restricted Working Space, Add	*24.04*	

26 05 33 13-2142 Buried Pipe Or Conduit Wrap *(26 05 33 13)*

26 05 33 13-2143 All-Weather Corrosion Protection Tape For Pipe Or Conduit *(26 05 33 13-2142)*

Note: Priced by the linear feet of pipe or conduit the tape is installed on.

26 05 33 13-2144	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.33
26 05 33 13-2145	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.80
26 05 33 13-2146	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.36
26 05 33 13-2147	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.98
26 05 33 13-2148	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.65
26 05 33 13-2149	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.71
26 05 33 13-2150	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.47
26 05 33 13-2151	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.31
26 05 33 13-2152	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.28
26 05 33 13-2153	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.80
26 05 33 13-2154	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	13.33
26 05 33 13-2155	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.35
26 05 33 13-2156	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.92
26 05 33 13-2157	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.53
26 05 33 13-2158	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.19
26 05 33 13-2159	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.92
26 05 33 13-2160	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.09
26 05 33 13-2161	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	8.07
26 05 33 13-2162	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.17
26 05 33 13-2163	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.45
26 05 33 13-2164	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	13.27
26 05 33 13-2165	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	15.08

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	50.38	24.00
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	51.46	24.00
		For Stud Bracket, Add	*1.05*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	55.18	24.00
		For Stud Bracket, Add	*1.15*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	37.30	16.00
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	33.54	16.00
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	17.14	8.00
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	17.31	8.00
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	17.43	8.00
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	17.84	8.00
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	17.96	8.00
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	19.24	8.00
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	17.62	8.00
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	17.75	8.00
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	17.90	8.00
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	19.22	8.00
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	19.49	8.00
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	21.16	8.00
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	18.27	8.00
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	19.33	8.00
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	17.61	8.00
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	17.70	8.00
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	17.58	8.00
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	17.86	8.00
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	18.10	8.00
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	21.05	8.00
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.06	8.00
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	21.05	8.00
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.06	8.00
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.75	8.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	21.05	8.00
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	21.05	8.00
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	16.76	8.00
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	54.38	24.00
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	51.93	24.00
		For Stud Bracket, Add	*0.55*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	64.24	24.00
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	38.33	16.00
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	38.93	16.00
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	19.59	8.00
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	19.62	8.00
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	20.66	8.00
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	20.24	8.00
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	20.15	8.00
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	24.50	8.00
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.42	8.00
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.64	8.00
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.66	8.00
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	22.20	8.00
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	22.52	8.00
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	26.24	8.00
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	20.22	8.00
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	20.33	8.00
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	23.21	8.00
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	24.02	8.00
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.97	8.00
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	22.09	8.00
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	25.04	8.00
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	24.01	8.00
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	24.01	8.00
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	24.01	8.00
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	17.42	8.00
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	25.14	12.02
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	17.73	8.01
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	27.75	12.02
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	29.09	12.02
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	41.94	20.00
		For Stud Bracket, Add	*1.42*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	42.89	20.00
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	16.70	8.00
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	68.28	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	72.18	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	75.56	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	78.88	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	84.70	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	90.67	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	95.61	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	18.01	8.00
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	55.37	20.00
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	60.53	21.59
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	71.19	24.00
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	88.96	26.40
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	123.63	28.79
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	70.00	20.00
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	76.13	21.59
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	97.52	24.00
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	121.71	26.40
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	188.38	28.79
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	23.61	8.00
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	23.86	8.00
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	26.68	8.00
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	31.53	8.00
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	42.16	8.00
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	21.19	8.00
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	23.83	8.00
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	27.34	8.00
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	31.80	8.00
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	42.92	8.00

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	43.77	20.00
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	44.18	20.00
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	46.29	20.00
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	51.04	20.00
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	51.45	20.00
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	57.88	20.00
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	41.84	20.00
		For Stud Bracket, Add	*2.29*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	42.28	20.00
		For Stud Bracket, Add	*0.99*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	43.25	20.00
		For Stud Bracket, Add	*1.34*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	26.66	12.00
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	26.22	12.00
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	8.96	4.00
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	9.04	4.00
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.63	4.00
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	8.66	4.00
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	9.49	4.00
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	8.66	4.00
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	61.14	28.00
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	66.95	29.59
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	75.13	32.00
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	84.54	35.20
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)* Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	132.07	47.99
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	143.35	55.99
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	169.32	67.99
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	166.07	63.99
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	210.84	75.99
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	165.45	63.99
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	198.73	75.99
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	169.35	63.99
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	198.78	75.99
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	165.45	63.99
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	193.97	75.99
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	198.08	79.99
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	234.76	95.98
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	205.55	79.99
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	263.26	95.98
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	210.43	79.99
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	251.54	95.98
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	197.44	79.99
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	254.84	95.98
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	250.19	95.98
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	301.88	115.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	137.57	47.99
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	158.62	55.99
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	186.94	67.99
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	176.13	63.99
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	203.90	75.99
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	245.24	91.99
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	217.62	75.99
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	279.51	95.98
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	157.38	51.99
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	175.00	59.99
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	203.90	71.99
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	192.02	67.99
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	218.83	79.99
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	173.90	51.99
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	190.54	59.99
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	216.89	67.99
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	245.10	79.99
26 05 33 16-0171		**Cast Aluminum Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	116.08	39.99
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	133.51	47.99
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	150.15	59.99
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	109.67	39.99
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	138.03	47.99
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	148.69	55.99
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	178.83	67.99
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	224.05	83.99
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	159.84	55.99
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	173.40	67.99
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	153.50	55.99
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	177.19	67.99
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	149.40	55.99
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	177.19	67.99
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	139.94	55.99
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	187.25	67.99
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	178.47	71.99
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	216.98	87.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	188.27	71.99
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	250.94	87.99
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	187.45	71.99
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	229.90	87.99
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	232.81	87.99
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	228.62	87.99
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	279.22	107.98
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	127.45	39.99
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	152.69	47.99
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	176.53	59.99
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	163.08	47.99
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	163.39	55.99
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	196.88	67.99
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	222.35	83.99
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	199.29	67.99
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	245.05	87.99
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	151.37	43.99
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	173.77	51.99
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	188.81	63.99
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	190.54	59.99
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	197.25	71.99
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	243.39	87.99
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	151.24	43.99
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	175.32	51.99
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	194.09	59.99
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	221.02	71.99
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	194.09	59.99
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	221.02	71.99
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	203.99	63.99
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	230.01	75.99
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	227.99	55.99
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	255.64	67.99
26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	237.54	63.99
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	292.51	71.99
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	271.25	79.99
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	263.53	71.99
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	319.27	79.99
26 05 33 16-0234		Non-Metallic (PVC) Boxes *(26 05 33 16)*		
		See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235		Shallow, Single Gang Non-Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	79.69	33.59
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	91.28	39.20
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	104.80	47.59
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	102.48	44.79
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	120.56	53.19
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	146.18	64.39
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	102.81	44.79
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	119.68	53.19
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	143.17	64.39
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	129.67	55.99
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	148.57	67.19
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	175.53	81.18
26 05 33 16-0248		Deep, Single Gang Non-Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	80.66	33.59
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	78.96	33.59
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	93.60	39.20
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	105.74	47.59
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	104.39	44.79
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	118.05	53.19
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	141.30	64.39
26 05 33 16-0256		Shallow, Two Gang Non-Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	85.80	36.39
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	98.36	42.00
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	110.56	50.40
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	105.96	47.59
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	130.31	55.99
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	154.42	67.19
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	108.22	47.59
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	136.58	55.99
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	149.39	67.19
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	132.46	58.79
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	172.47	69.99
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	180.97	83.99
26 05 33 16-0269		Poke Thru Units *(26 05 33 16)*		
26 05 33 16-0270		Surface Poke Thru Units *(26 05 33 16-0269)*		
		Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	556.06	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	356.06	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	54.84	16.00
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	60.40	8.00
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	626.91	63.99
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	334.71	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	92.22	24.00
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	60.40	8.00
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	172.23	16.00
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	498.84	55.99
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	43.24	8.00
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	496.67	55.99
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	58.52	8.00
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	870.83	63.99
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	870.93	63.99
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	831.65	63.99
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	831.65	63.99
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	870.83	63.99
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	870.83	63.99
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	798.48	63.99
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	511.53	59.99
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	546.19	59.99
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	549.62	59.99
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	164.03	32.00
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	345.61	16.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	345.61	16.00
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	288.78	16.00
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	42.70	4.00
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	24.24	8.00
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	27.32	8.00
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	24.15	8.00
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	24.21	8.00
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	24.08	8.00
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	27.65	8.00
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	27.40	8.00
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	27.96	8.00
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	23.78	8.00
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	23.80	8.00
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	23.53	8.00
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	23.53	8.00
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	52.70	12.00
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	21.91	8.00
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	22.35	8.00
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	152.95	14.40
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	27.12	8.00
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	28.07	8.00
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	28.75	8.00
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	46.20	16.00
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	53.83	20.00
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	58.24	20.00
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	44.71	16.00
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	27.91	8.00
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	27.91	8.00
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	29.18	8.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	30.03	8.00
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,131.48	63.99
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,078.60	63.99
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,068.65	63.99
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,059.22	63.99
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	651.44	59.99
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	725.94	59.99
26 05 33 16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	193.10	32.00
26 05 33 16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	373.04	16.00
26 05 33 16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	373.04	16.00
26 05 33 16-0338	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	65.32	4.00
26 05 33 16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	24.90	8.00
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.02	8.00
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.15	8.00
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	28.46	8.00
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	33.54	8.00
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	33.50	8.00
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	24.28	8.00
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	24.54	8.00
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.28	8.00
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.28	8.00
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	33.09	8.00
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	28.31	8.00
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	31.97	8.00
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	46.20	16.00

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0002			**Wireway With Screw Cover** *(26 05 33 23-0001)* Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.		
26 05 33 23-0003			**2-1/2" x 2-1/2", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0004		LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	31.46	7.31
			For Combination Hinged Screw Cover, Add	*0.84*	
			For Concrete Or Masonry Surface, Add	*0.73*	
26 05 33 23-0005		EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	28.03	10.96
			For Combination Hinged Screw Cover, Add	*0.31*	
26 05 33 23-0006		EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	33.44	13.67
			For Combination Hinged Screw Cover, Add	*0.31*	
26 05 33 23-0007		EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	69.07	25.57
			For Combination Hinged Screw Cover, Add	*0.90*	
26 05 33 23-0008		EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	104.74	25.57
			For Combination Hinged Screw Cover, Add	*2.68*	
26 05 33 23-0009		EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	154.49	36.39
			For Combination Hinged Screw Cover, Add	*4.09*	
26 05 33 23-0010		EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	173.18	40.20
			For Combination Hinged Screw Cover, Add	*4.64*	
26 05 33 23-0011			**4" x 4", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0012		LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	38.60	9.21
			For Combination Hinged Screw Cover, Add	*1.02*	
			For Concrete Or Masonry Surface, Add	*0.91*	
26 05 33 23-0013		LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	66.27	9.21
			For Combination Hinged Screw Cover, Add	*2.40*	
			For Concrete Or Masonry Surface, Add	*0.91*	
26 05 33 23-0014		EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	22.45	8.04
			For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0015		EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	37.06	15.34
			For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0016		EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	82.03	31.28
			For Combination Hinged Screw Cover, Add	*0.97*	
26 05 33 23-0017		EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	121.25	31.28
			For Combination Hinged Screw Cover, Add	*2.93*	
26 05 33 23-0018		EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	170.16	40.63
			For Combination Hinged Screw Cover, Add	*4.44*	
26 05 33 23-0019		EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	196.80	47.50
			For Combination Hinged Screw Cover, Add	*5.09*	
26 05 33 23-0020			**6" x 6", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0021		LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	56.59	10.96
			For Combination Hinged Screw Cover, Add	*1.73*	
			For Concrete Or Masonry Surface, Add	*1.10*	
26 05 33 23-0022		LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	105.11	10.96
			For Combination Hinged Screw Cover, Add	*4.16*	
			For Concrete Or Masonry Surface, Add	*1.10*	
26 05 33 23-0023		EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	27.80	8.77
			For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0024		EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	46.80	18.27
			For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0025		EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	112.50	36.39
			For Combination Hinged Screw Cover, Add	*1.99*	
26 05 33 23-0026		EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	153.91	36.39
			For Combination Hinged Screw Cover, Add	*4.06*	
26 05 33 23-0027		EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	236.85	45.45
			For Combination Hinged Screw Cover, Add	*7.30*	
26 05 33 23-0028		EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	258.17	52.61
			For Combination Hinged Screw Cover, Add	*7.65*	
26 05 33 23-0029			**8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0030		LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	88.82	11.98
			For Combination Hinged Screw Cover, Add	*3.25*	
			For Concrete Or Masonry Surface, Add	*1.20*	
26 05 33 23-0031		LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	157.92	11.98
			For Combination Hinged Screw Cover, Add	*6.70*	
			For Concrete Or Masonry Surface, Add	*1.20*	
26 05 33 23-0032		EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	30.54	9.50
			For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0033		EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	51.00	19.73
			For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0034		EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	125.34	40.05
			For Combination Hinged Screw Cover, Add	*2.26*	
26 05 33 23-0035		EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	192.60	40.05
			For Combination Hinged Screw Cover, Add	*5.62*	
26 05 33 23-0036		EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	282.59	49.40
			For Combination Hinged Screw Cover, Add	*9.19*	
26 05 33 23-0037		EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	390.62	59.92
			For Combination Hinged Screw Cover, Add	*13.54*	
26 05 33 23-0038			**10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	127.47	13.88
		For Combination Hinged Screw Cover, Add	*4.98*	
		For Concrete Or Masonry Surface, Add	*1.39*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	220.98	13.88
		For Combination Hinged Screw Cover, Add	*9.66*	
		For Concrete Or Masonry Surface, Add	*1.39*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	41.73	10.96
		For Combination Hinged Screw Cover, Add	*0.99*	
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	63.66	21.92
		For Combination Hinged Screw Cover, Add	*0.99*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	162.93	43.56
		For Combination Hinged Screw Cover, Add	*3.79*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	296.37	43.56
		For Combination Hinged Screw Cover, Add	*10.46*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	443.49	54.96
		For Combination Hinged Screw Cover, Add	*16.68*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	625.66	62.12
		For Combination Hinged Screw Cover, Add	*25.07*	

26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	149.90	16.81
		For Combination Hinged Screw Cover, Add	*5.81*	
		For Concrete Or Masonry Surface, Add	*1.68*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	243.87	16.81
		For Combination Hinged Screw Cover, Add	*10.51*	
		For Concrete Or Masonry Surface, Add	*1.68*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	53.68	11.69
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	77.07	23.39
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	209.52	47.50
		For Combination Hinged Screw Cover, Add	*5.73*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	386.24	47.50
		For Combination Hinged Screw Cover, Add	*14.56*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	496.91	58.46
		For Combination Hinged Screw Cover, Add	*19.00*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	796.85	65.77
		For Combination Hinged Screw Cover, Add	*33.27*	

26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	6.03	2.20
		For Concrete Or Masonry Surface, Add	*0.22*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	6.25	2.92
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	6.29	2.92
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	6.48	2.92
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	9.47	3.51
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	14.80	3.65
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	11.78	4.38
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	11.56	4.38

26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	7.71	2.92
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	6.38	2.92
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	6.54	2.92
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	6.58	2.92
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	14.22	5.85
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	20.99	5.85
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	15.16	5.85
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	14.74	5.85

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	37.01	4.38
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	6.51	2.92
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	6.51	2.92
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	17.17	4.38
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	14.79	4.38
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	17.16	5.85
26 05 33 23-0083	EA	Tee (Wiremold #5715)	19.60	7.31
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	31.23	5.85
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	24.60	5.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	13.44	3.65
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	29.87	5.85
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	29.77	5.85
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	14.15	3.65
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	27.27	5.85
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	26.40	5.85
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	26.61	5.85
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	26.61	5.85
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	29.77	5.85
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	29.44	5.85
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	31.25	5.85
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	36.45	9.50
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	58.97	18.27
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	28.46	9.50
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	42.82	9.50
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	48.52	9.50
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	71.70	9.50
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	38.57	8.04
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	42.68	8.04
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	66.50	8.04
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	29.55	9.50
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	26.44	9.50
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	35.65	9.50
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	65.77	9.50
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	28.00	9.50
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	37.51	9.50
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	64.03	9.50
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	93.21	9.50
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	151.23	9.50
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	153.82	9.50
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	27.70	9.50
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	27.04	9.50
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	34.72	9.50
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	64.62	9.50
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	28.92	9.50
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	36.33	9.50
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	50.67	9.50
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	17.75	3.65
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	16.98	3.65
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	11.78	3.65
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	21.23	4.38
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	11.87	3.65
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	26.16	4.38
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	23.61	4.38
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	13.91	4.38
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	22.05	4.38
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	12.03	3.65
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	10.53	2.92
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	10.90	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	7.03	2.92
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	8.41	3.65
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	9.60	4.38
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	35.98	13.88
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	36.99	13.88
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	39.36	13.88
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	39.16	13.88
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	34.18	9.50
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	35.13	9.50
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	68.71	18.27
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	36.06	9.50
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	43.28	9.50
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	42.53	9.50
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	20.48	4.38
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	18.74	6.58
		For Concrete Or Masonry Surface, Add	*0.66*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	7.19	2.92
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	7.94	2.92
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	26.90	5.11
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	40.17	7.31
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	39.85	8.77

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0157		Two Piece Surface Metal Raceways *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	10.28	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	5.15	2.92
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	14.12	3.65
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	6.33	2.20
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	5.95	2.20
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	14.42	3.65
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	30.40	10.96
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	49.87	14.61
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	8.45	3.65
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	26.20	9.50
26 05 33 23-0169	EA	Tee (Wiremold #2015)	46.20	13.74
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	17.38	7.31
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	39.00	13.01
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	58.39	14.47
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	42.43	14.47
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	32.58	7.31
26 05 33 23-0175	EA	#2089E End Reducing Connector	13.77	3.65
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	9.09	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	9.81	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	3.29	0.73
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	5.16	2.92
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	14.05	3.65
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	10.73	3.65
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	6.02	2.20
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	42.32	10.96
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	40.75	10.96
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	10.75	2.92
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	29.52	10.96
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	8.53	3.65
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	8.62	3.65
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	42.14	10.96
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	40.63	10.96
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	63.24	10.96
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	49.68	10.96
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	32.49	10.96
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	48.87	10.96
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	44.28	10.81
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	31.22	10.96
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	52.01	10.81
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	49.71	10.81
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	35.99	10.81
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	30.89	10.81
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	45.55	10.81
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	44.35	10.81
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	30.09	10.81
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	49.06	10.81
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	48.35	10.81
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	35.47	10.81
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	44.43	9.50
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	48.84	9.50
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	49.06	9.50
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	47.20	9.50
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	64.78	9.50
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	57.56	9.50
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	32.46	9.50
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	47.86	9.50
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	15.05	3.65
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	36.73	10.96
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	99.24	10.96
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	30.14	5.85
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	17.76	6.58
		For Concrete Or Masonry Surface, Add	*0.66*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.86	0.73
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	6.64	2.92
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	17.58	2.92
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	16.16	3.65
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	12.35	3.65
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	7.45	2.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	18.51	5.85
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	17.79	4.38
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	43.04	13.88
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	16.08	5.85
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	47.01	13.88
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	69.43	18.12
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	51.87	18.27
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	94.49	22.66
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	46.07	13.88
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	55.42	13.88
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	41.30	13.88
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	65.76	13.88
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	20.87	3.65
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	22.68	3.65
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	20.82	3.65
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	24.40	4.38
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	66.66	19.00
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	73.30	13.88
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	21.27	4.38
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	23.75	3.65
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	91.95	8.77
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	220.61	8.77
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	80.41	8.77
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	86.80	8.77
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	86.80	8.77
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	28.08	4.38

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	21.27	6.58
		For Concrete Or Masonry Surface, Add	*0.71*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	7.03	0.73
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.60	0.73
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	7.91	3.65
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	20.99	4.38
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	10.45	4.38
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	10.60	4.38
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	39.36	9.50
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	21.80	5.85
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	83.72	22.50
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	76.69	18.27
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	89.14	18.27
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	84.69	22.66
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	109.61	22.66
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	120.53	22.66
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	124.92	22.66
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	147.26	22.66
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	147.69	22.66
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	70.68	22.66
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	118.60	22.66
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	77.27	22.66
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	67.19	22.66
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	100.62	22.66
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	115.18	22.66
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	93.24	9.50
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	98.62	9.50
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	98.62	9.50
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	130.47	9.50
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	30.62	9.50
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	83.01	4.38
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	100.85	9.50
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	29.47	9.50
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	33.86	9.50
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	33.00	7.31
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	149.39	22.66
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	135.58	22.66
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	135.58	22.66
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	119.82	43.11
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	72.06	22.66

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	30.12	8.04
		For Concrete Or Masonry Surface, Add	*0.80*	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	8.45	2.20
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.70	2.20
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	9.03	3.65
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	26.06	7.31
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	11.88	3.65
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	32.66	9.50
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	31.20	9.50
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	32.53	9.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	35.23	9.50
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	51.25	13.88
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	58.22	21.92
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	101.13	21.92
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	102.34	21.05
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	142.88	22.66
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	105.65	24.84
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	176.28	24.84
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	169.26	21.92
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	182.37	21.92
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	126.40	50.87

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	13.05	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	6.02	0.73
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	6.52	2.92
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	15.18	3.65
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.97	2.20
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	8.57	2.20
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	12.52	3.65
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	35.28	10.96
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	11.46	3.65
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	39.48	9.50
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	53.94	13.74
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	35.12	7.31
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	35.05	7.31
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	58.52	14.47
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	126.33	13.01
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	59.44	13.01
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	117.45	14.47
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	61.34	13.01
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	104.58	14.47
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	48.54	14.47

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	14.25	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	6.08	0.73
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	8.44	2.92
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	17.01	3.65
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	10.67	2.20
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	9.51	2.92
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	12.38	3.65
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	28.05	10.96
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	46.80	10.96
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	50.52	10.81
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	58.42	10.81
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	46.62	10.81
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	49.79	10.81
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	42.31	10.96

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	26.04	6.58
		For Concrete Or Masonry Surface, Add	*0.66*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	7.31	0.73
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	6.07	6.58
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	12.08	2.92
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	22.76	2.92
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	18.40	3.65
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	12.52	2.92
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	25.94	5.85
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	43.47	13.88
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	124.97	18.12
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	143.93	22.66
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	161.89	22.66
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	116.19	13.88
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	116.31	13.88
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	26.17	4.38
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	26.01	4.38
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	25.75	4.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	25.55	3.65
26 05 33 23-0371		**5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	31.01	6.58
		For Concrete Or Masonry Surface, Add	*0.71*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	12.21	0.73
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	7.26	0.73
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	10.20	3.65
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	8.70	3.65
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	8.64	3.65
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	20.84	4.38
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	17.90	4.38
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	22.73	4.38
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	23.56	5.85
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	25.12	5.85
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	25.47	5.85
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	24.76	5.85
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	124.61	18.27
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	101.20	22.66
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	146.29	22.66
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	159.63	22.66
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	130.76	22.66
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	60.50	22.66
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	134.16	22.66
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	131.82	22.66
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	28.08	4.38
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	32.96	4.38
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	38.80	4.38
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	36.50	4.38
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	33.83	4.38
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	32.93	9.50
26 05 33 23-0399		**3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	27.91	6.58
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	13.72	4.38
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	23.37	5.85
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	24.95	5.85
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	123.42	18.27
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	128.76	22.66
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	125.77	22.66
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	146.52	22.66
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	127.31	22.66
26 05 33 23-0409		**6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)** *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	44.33	6.58
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	19.49	4.38
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	25.55	5.85
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	28.29	5.85
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	161.79	18.27
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	220.86	22.66
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	150.86	22.66
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	176.66	22.66
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	158.12	22.66
26 05 33 23-0419		**Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)** *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	9.54	0.73
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	8.81	3.65
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	22.34	4.38
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	19.30	4.38
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	52.59	18.27
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	62.93	22.66
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	58.04	18.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	23.44	4.38
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	24.93	4.38
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	25.91	4.38
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	24.99	4.38
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	25.13	4.38
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	25.93	4.38
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	26.58	4.38
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	33.80	4.38
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	31.83	4.38
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	36.54	4.38
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	23.96	4.38
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	35.33	4.38
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	32.41	4.38
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	26.52	4.38
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	32.70	4.38

26 05 33 23-0442 Surface Non-Metallic Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

26 05 33 23-0443 One Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*

Note: Exposed on flat wall surface. (Wiremold or approved equal).

26 05 33 23-0444 7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) *(26 05 33 23-0443)*

26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	7.76	2.92
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	6.25	2.92
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	6.51	2.92
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	12.63	5.85
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	14.22	5.85
26 05 33 23-0450	EA	Tee (Wiremold #415)	17.87	7.31
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	14.02	5.85
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	14.02	5.85

26 05 33 23-0453 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) *(26 05 33 23-0443)*

26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	8.75	2.92
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	6.33	2.92
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	6.44	2.92
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	18.14	5.85
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	12.73	5.85
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	14.30	5.85
26 05 33 23-0460	EA	Tee (Wiremold #815)	17.94	7.31
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	14.07	5.85
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	14.07	5.85
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	15.54	5.85

26 05 33 23-0464 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) *(26 05 33 23-0443)*

26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	9.90	2.92
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	10.45	2.92
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	6.58	2.92
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	6.86	2.92
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	19.50	5.85
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	13.28	5.85
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	21.63	5.85
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	14.53	5.85
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	15.43	5.85
26 05 33 23-0474	EA	Tee (Wiremold #2315)	18.08	7.31
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	14.53	5.85
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	15.44	5.85
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	14.55	5.85
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	15.60	5.85
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	15.62	5.85
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	16.20	5.85

26 05 33 23-0481 One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*

26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	16.79	5.11
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	26.46	5.85
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	26.59	5.85
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	24.24	5.85
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	27.69	5.85
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	26.19	5.85
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	28.23	5.85
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	25.75	9.50
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	28.79	9.50
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	26.64	9.50
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	31.23	9.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	36.55	9.50
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	34.86	9.50
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	31.95	9.50
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	25.29	9.50
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	7.35	2.92
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	3.24	1.46
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	4.51	1.46
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	7.43	2.92
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	8.93	3.65
26 05 33 23-0503	EA	Tee (Wiremold #2715)	14.79	6.58
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	10.39	4.38
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	10.37	4.38
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	12.22	5.11
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	9.48	3.65
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	4.85	2.20
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	6.14	2.20
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	9.07	3.65
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	12.07	5.11
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	12.70	5.11
26 05 33 23-0514	EA	Tee (Wiremold #2815)	17.92	8.04
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	13.50	5.85
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	13.53	5.85
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	18.77	8.04
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	14.27	5.85
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	14.16	5.85
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	15.23	6.58
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	13.68	5.85
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	11.50	4.38
		For Concrete Or Masonry Surface, Add	*0.44*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	6.43	2.92
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	7.74	2.92
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	10.66	4.38
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	13.60	5.85
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	14.60	5.85
26 05 33 23-0529	EA	Tee (Wiremold #2915)	19.45	8.77
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	20.47	8.77
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	15.07	6.58
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	16.11	6.58
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	15.05	6.58
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	16.40	6.58
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	15.23	6.58
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	16.91	7.31
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	16.57	7.31
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0539		5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	17.63	6.58
		For Concrete Or Masonry Surface, Add	*0.66*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	16.94	6.58
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	28.55	6.58
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	23.96	6.58
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	2.28	0.73
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	8.11	0.73
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	5.19	0.73
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	16.97	7.31
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	9.27	3.65
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	12.09	4.38
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	17.94	7.31
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	17.05	7.31
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	18.88	7.31
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	34.99	14.61
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	35.93	14.61
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	31.22	13.88
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	57.88	22.66
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	41.72	18.27
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	36.54	14.61
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	25.59	10.96
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	41.65	18.27
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	36.79	14.61
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	16.80	7.31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0563		5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	18.96	6.58
		For Concrete Or Masonry Surface, Add	*0.66*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	5.72	0.73
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.82	0.73
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	7.93	3.65
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	12.38	4.38
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	10.82	4.38
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	9.93	4.38
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	69.26	22.66
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	35.52	13.88
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	66.91	22.66
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	59.78	18.27
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	69.80	22.66
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	72.50	22.66
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	59.92	22.66
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	60.59	22.66
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	61.22	22.66
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	26.97	7.31
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	34.33	7.31
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	21.54	7.31
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	62.49	22.66
26 05 33 23-0584		6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	22.81	6.58
		For Concrete Or Masonry Surface, Add	*0.66*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.39	0.73
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	8.91	3.65
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	13.62	4.38
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	10.35	4.38
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	12.86	4.38
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	12.90	4.38
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	12.96	4.38
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	12.96	4.38
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	12.85	4.38
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	12.87	4.38
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	12.79	4.38
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	12.82	4.38
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	12.90	4.38
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	12.68	4.38
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	31.48	7.31
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	40.97	7.31
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	37.90	13.88
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	74.52	22.66
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	66.80	18.27
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	55.59	18.27
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	77.76	22.66
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	64.78	22.66
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	66.08	22.66
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	68.82	22.66
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	63.48	22.66
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	81.22	22.66

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	126.95	28.16
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	159.07	32.95

26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	208.08	35.68
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	237.89	39.52

26 05 39 00-0009 Junction Boxes *(26 05 39 00-0001)*

26 05 39 00-0010 One Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	317.68	55.99
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	358.59	59.99
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	564.41	55.99
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	390.77	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	615.23	78.87
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	855.55	85.75
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,280.79	56.63
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,472.09	59.99
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	153.09	20.64
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	157.51	20.64
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	88.73	20.64
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	90.50	20.64
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	88.73	24.00
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	90.50	24.00
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	60.10	32.00
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	94.49	32.00
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	128.54	32.00
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	130.75	33.75
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	114.76	4.80
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	138.39	67.19
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	154.76	67.19
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	171.24	67.19
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	154.76	75.19
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	188.09	75.19
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	171.24	79.99
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	171.24	79.99
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	188.09	79.99
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	123.94	59.19
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	145.65	59.19
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	168.77	59.19
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	32.20	4.80
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	33.04	4.80
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.51	8.00
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	48.49	8.00
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	47.16	8.00
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	48.84	8.00
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	301.88	67.19
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	556.86	67.19
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	4.02	1.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0066		Underfloor Dust Pans *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	124.51	8.77

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	1,156.46	393.93
		For Class 1 Pole, Add	*128.95*	
		For Class 2 Pole, Add	*73.69*	
		For Class 4 Pole, Deduct	*-36.84*	
		For Class 5 Pole, Deduct	*-110.53*	
		For Class 6 Pole, Deduct	*-147.38*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,374.43	437.08
		For Class 1 Pole, Add	*175.08*	
		For Class 2 Pole, Add	*100.05*	
		For Class 4 Pole, Deduct	*-50.02*	
		For Class 5 Pole, Deduct	*-150.07*	
		For Class 6 Pole, Deduct	*-200.09*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,785.01	578.06
		For Class 1 Pole, Add	*220.16*	
		For Class 2 Pole, Add	*125.81*	
		For Class 4 Pole, Deduct	*-62.90*	
		For Class 5 Pole, Deduct	*-188.71*	
		For Class 6 Pole, Deduct	*-251.62*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	2,035.39	635.80
		For Class 1 Pole, Add	*267.34*	
		For Class 2 Pole, Add	*152.77*	
		For Class 4 Pole, Deduct	*-76.38*	
		For Class 5 Pole, Deduct	*-229.15*	
		For Class 6 Pole, Deduct	*-305.53*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,321.04	708.14
		For Class 1 Pole, Add	*316.61*	
		For Class 2 Pole, Add	*180.92*	
		For Class 4 Pole, Deduct	*-90.46*	
		For Class 5 Pole, Deduct	*-271.38*	
		For Class 6 Pole, Deduct	*-361.84*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,637.85	794.75
		For Class 1 Pole, Add	*366.94*	
		For Class 2 Pole, Add	*209.68*	
		For Class 4 Pole, Deduct	*-104.84*	
		For Class 5 Pole, Deduct	*-314.52*	
		For Class 6 Pole, Deduct	*-419.36*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,946.56	874.14
		For Class 1 Pole, Add	*419.36*	
		For Class 2 Pole, Add	*239.63*	
		For Class 4 Pole, Deduct	*-119.82*	
		For Class 5 Pole, Deduct	*-359.45*	
		For Class 6 Pole, Deduct	*-479.26*	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	3,288.55	961.25
		For Class 1 Pole, Add	*478.07*	
		For Class 2 Pole, Add	*273.18*	
		For Class 4 Pole, Deduct	*-136.59*	
		For Class 5 Pole, Deduct	*-409.77*	
		For Class 6 Pole, Deduct	*-546.36*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	5,242.75	1,047.70
		For Class 1 Pole, Add	*1,101.55*	
		For Class 2 Pole, Add	*629.46*	
		For Class 4 Pole, Deduct	*-314.73*	
		For Class 5 Pole, Deduct	*-944.19*	
		For Class 6 Pole, Deduct	*-1,258.92*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,747.59	1,114.50
		For Class 1 Pole, Add	*1,231.49*	
		For Class 2 Pole, Add	*703.71*	
		For Class 4 Pole, Deduct	*-351.86*	
		For Class 5 Pole, Deduct	*-1,055.57*	
		For Class 6 Pole, Deduct	*-1,407.42*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	6,308.58	1,190.37
		For Class 1 Pole, Add	*1,374.72*	
		For Class 2 Pole, Add	*785.56*	
		For Class 4 Pole, Deduct	*-392.78*	
		For Class 5 Pole, Deduct	*-1,178.33*	
		For Class 6 Pole, Deduct	*-1,571.11*	
26 05 46 00-0014		Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	33.57	

26 05 46 00-0016 Crossarms *(26 05 46)*

Note: Includes hardware and braces.

26 05 46 00-0017 Wood Single Arm Crossarms *(26 05 46 00-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	279.28	117.50
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	338.45	117.50
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	355.79	151.06
26 05 46 00-0021		**Wood Double Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	722.21	327.30
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	768.19	327.30
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	800.53	327.30
26 05 46 00-0025		**Fiberglass Crossarms** *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		**Single Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	309.31	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	392.96	70.49
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	409.75	75.53
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	490.75	90.64
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	756.08	115.82
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	897.92	140.99
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	131.49	20.14
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	657.46	100.71
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	528.74	167.84
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	158.92	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	127.61	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	350.60	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	250.02	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	110.35	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	95.23	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	318.22	
26 05 46 00-0048		**Guying** *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	1,110.50	469.97
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	1,126.96	469.97
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,160.83	469.97
26 05 46 00-0053	EA	Guy Guard, Plastic	39.24	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,625.47	721.74
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,625.47	721.74
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,625.47	721.74
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	709.73	352.48
26 05 46 00-0060		**Insulators** *(26 05 46)*		
26 05 46 00-0061		**Pin Insulator With Pin** *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	223.51	100.71
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	228.95	100.71
26 05 46 00-0064		**Suspension Insulator** *(26 05 46 00-0060)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	282.26	134.28
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	297.04	134.28
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	413.63	167.84
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	650.95	268.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0069		**Spool Insulator With Clevis** *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	93.97	41.97
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	300.25	151.06
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	389.67	151.06
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	186.87	83.92
26 05 46 00-0075	EA	2 Spool Secondary Rack	191.65	107.09
26 05 46 00-0076	EA	3 Spool Secondary Rack	287.12	142.67
26 05 46 00-0077	EA	4 Spool Secondary Rack	323.06	142.67
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)*		
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,323.66	570.68
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,336.35	570.68
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,386.22	965.11
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,733.28	965.11
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,478.15	570.68
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,189.17	570.68
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,386.22	965.11
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,733.28	965.11
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,151.16	663.00
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,344.26	663.00
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,108.40	1,141.36
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,466.84	1,141.36
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	3,718.96	713.35
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	4,160.94	755.31
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	4,522.53	839.23
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	5,001.68	923.16
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	6,679.90	1,007.08
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	5,920.86	1,318.17
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	6,658.26	1,445.72
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	7,789.87	1,615.81
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	8,771.13	1,785.90
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	7,142.85	2,168.60
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	12,363.80	2,551.29
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	14,558.44	2,891.46
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	17,591.66	3,571.80
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	19,687.33	3,911.97
26 05 46 00-0111		**Aluminum Tapered Poles** *(26 05 46)*		
26 05 46 00-0112		**Aluminum Tapered Round Seamless Shaft Poles** *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,975.32	629.42
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,534.42	671.39
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,362.96	755.31
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,541.35	839.23
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,375.53	923.16
26 05 46 00-0118		**Steel Service Poles Distribution** *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		**Round Tapered Pole** *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,582.34	1,007.08
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,469.87	1,091.00
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,895.97	1,174.92
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	8,112.73	1,342.77
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	10,002.05	1,510.62
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	12,002.87	1,998.51
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	13,374.17	2,267.25
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	14,790.96	2,551.29
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	16,613.02	2,891.46
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	17,747.58	3,061.54
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	19,283.42	3,401.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	21,220.13	3,826.92
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	23,464.46	4,337.18
26 05 46 00-0133		**12 Sided Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,407.08	1,007.08
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,377.47	1,091.00
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,485.86	1,174.92
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,630.16	1,342.77
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,731.72	1,510.62
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,773.93	1,998.51
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,737.15	2,267.25
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	23,417.54	2,551.29
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,228.77	2,891.46
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	26,730.88	3,061.54
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,328.98	3,401.72
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	32,234.73	3,826.92
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	34,551.37	4,337.18
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	37,021.72	4,847.44
26 05 46 00-0148		**Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	24.55	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	184.22	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	185.29	
26 05 46 00-0152		**Arms With Baseplates And Endplates** *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	814.68	167.84
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	879.62	167.84
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	1,113.72	251.77
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	1,170.52	251.77
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	1,402.06	335.69
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	1,466.97	335.69
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	1,935.24	419.61
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	2,008.11	419.61
26 05 46 00-0161		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0118)*		
26 05 46 00-0162	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	389.25	167.84
26 05 46 00-0163	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	429.04	167.84
26 05 46 00-0164	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	483.45	167.84
26 05 46 00-0165		**Armless Construction Brackets** *(26 05 46 00-0118)*		
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	395.74	167.84
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	420.86	167.84
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	461.68	167.84
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	656.47	251.77
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	680.30	251.77
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	376.18	167.84
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	428.97	167.84
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	630.90	251.77
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	755.49	251.77
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	975.02	335.69
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	1,041.15	335.69
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	383.84	167.84
26 05 46 00-0181	EA	Pole Top Bracket - 5"	396.66	167.84
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	382.11	167.84
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	423.74	167.84
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	410.69	167.84
26 05 46 00-0187	EA	Static Wire Support Bracket	416.07	167.84
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	372.24	167.84
26 05 46 00-0190	EA	Equipment Mounting T Bracket	396.15	167.84
26 05 46 00-0191	EA	15 KV Cutout	505.62	
26 05 46 00-0192	EA	9/10 KV Arrestor	471.97	167.84

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0193		Spacer Cable, Conduit Support And Cluster Bracket *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	449.29	167.84
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	432.12	167.84
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	1,027.26	167.84
26 05 46 00-0197		15 KV, 200 Amperes, Solenoid Operated High Voltage Switch *(26 05 46 00-0165)*		
		Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,321.54	419.61
26 05 46 00-0199		Octagonal Tapered *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,691.35	1,007.08
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,692.77	1,091.00
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,837.33	1,174.92
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	13,012.64	1,426.69
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	17,258.93	1,510.62
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	19,342.49	1,998.51
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	22,398.75	2,126.07
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	24,123.07	2,551.29
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,975.64	2,721.37
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	27,521.70	3,061.54
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	31,230.92	3,231.63
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	33,183.19	3,826.92
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	35,546.35	4,082.06
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	38,068.39	4,592.32
26 05 46 00-0214		Removal And Relocation Of Steel Service Poles *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	58.73	
26 05 46 00-0216		Special Steel Bases For Poles *(26 05 46 00-0118)*		
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	299.72	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	327.54	83.92
26 05 46 00-0219	EA	Series 4, 40' Pole And less	388.23	96.51
26 05 46 00-0220	EA	Series 5, 50' Pole And less	440.49	104.90

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001		Conduit Markers Pressure-Sensitive *(26 05 53)*		
		Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.23	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	18.03	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	19.64	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	19.96	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.27	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	20.76	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	23.92	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	24.56	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	25.03	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	25.52	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	26.53	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	27.60	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	28.55	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	29.49	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	32.10	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	33.86	
26 05 53 00-0018		Labeling Existing Electrical Wires *(26 05 53)*		
		Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019	EA	Labeling Existing Wire	4.90	
26 05 53 00-0020		Equipment Labeling *(26 05 53)*		
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	31.49	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	25.19	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	37.78	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	31.49	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001		Tape Wrapped Compression Connectors *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.40	7.20
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	22.27	8.00
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.95	8.80
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.50	9.59
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	29.61	10.40
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	32.75	11.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	35.07	12.00
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	38.13	12.80
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	42.24	14.40
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	44.36	15.20
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	49.03	16.00
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	53.13	16.80
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	59.25	18.40
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	68.54	20.79

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	27.29	20.79
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	27.46	20.79
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	31.04	22.40
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	38.12	24.79
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	53.71	32.00
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	63.10	32.00
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	72.60	32.00
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	89.58	47.99
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	105.14	47.99
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	123.08	47.99
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	148.48	63.99
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	176.12	95.98
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	201.45	95.98
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	216.58	95.98
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	235.70	111.98
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	257.62	111.98
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	280.04	127.98
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	328.34	143.98

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	55.58	27.20
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	59.60	28.95
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	62.90	28.95
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	72.38	33.27
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	89.35	41.59
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	104.90	49.43
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	122.81	57.92
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	148.17	70.23
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	175.76	83.35
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	201.04	95.19
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	216.14	102.55
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	235.19	111.02
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	257.04	121.26
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	280.64	131.50
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	346.54	159.97

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	83.53	63.99
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	91.85	68.79
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	104.66	71.99
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	121.28	79.99
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	142.91	87.99
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	159.44	95.98
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	199.00	103.98
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	213.45	111.98
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	224.88	119.98
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	255.41	131.98
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	285.93	191.97
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	312.78	159.97
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	339.64	215.97
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	374.75	223.96
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	422.26	239.96

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	135.20	63.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.59*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	150.78	63.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.09*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	209.03	95.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.33*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	237.78	95.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.53*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	284.08	119.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.72*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	396.22	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.99*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,374.87	591.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.51*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	332.88	80.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.55*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	365.18	80.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.06*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	55.57	28.95
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	59.60	28.95
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	62.90	28.95
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	72.38	33.27
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	89.35	41.59
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	104.90	49.43
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	122.81	57.92
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	148.17	70.23
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	175.76	83.35
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	201.04	95.19
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	216.14	102.55
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	235.19	111.02
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	257.04	121.26
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	257.56	121.26
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	55.57	28.95
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	59.60	28.95
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	62.90	28.95
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	72.38	33.27
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	89.35	41.59
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	104.90	49.43
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	122.81	57.92
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	148.17	70.23
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	175.76	83.35
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	201.04	95.19
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	216.14	102.55
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	235.19	111.02
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	257.04	121.26
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	257.56	121.26

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	44.19	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	53.10	24.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.49*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	61.39	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	79.92	35.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.43*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	107.58	47.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.80*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	127.57	55.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.45*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	148.64	63.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.40*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	168.70	71.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.06*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	192.18	79.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	215.27	87.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.81*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	238.25	95.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	261.07	103.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.34*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	284.28	111.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.19*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	322.51	127.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.55*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	364.91	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	72.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	71.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	15.68	7.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	15.79	7.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	15.90	7.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	93.42	39.99
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	92.97	39.99
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.50	47.99
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	134.49	59.99
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	135.40	59.99
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	135.58	59.99
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	138.55	59.99
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	178.90	79.99
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	182.24	79.99
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	229.72	99.98

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	92.97	39.99
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.50	47.99
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	134.49	59.99
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	135.40	59.99
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	135.58	59.99
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	138.55	59.99
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	178.90	79.99
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	182.24	79.99
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	229.72	99.98
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	234.23	99.98
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	291.98	119.98
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	298.84	119.98
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	405.59	159.97
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	508.12	199.97
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	601.29	239.96
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	712.45	279.96
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	817.87	319.95
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,016.69	399.94
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,202.77	475.94
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,419.64	555.11
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	2,046.82	832.52

26 05 83 00-0164 AC Three Phase, 460 Volt *(26 05 83 00-0130)*

26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	92.97	39.99
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.50	47.99
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	134.49	59.99
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	135.40	59.99
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	135.58	59.99
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	138.55	59.99
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	178.90	79.99
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	182.24	79.99
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	229.72	99.98
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	234.23	99.98
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	291.99	119.98
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	298.83	119.98
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	405.59	159.97
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	508.61	200.29
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	601.29	239.96
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	712.45	279.96
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	817.87	319.95
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,016.69	399.94
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,203.22	476.09
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,420.26	555.44
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	2,048.22	833.16

26 05 83 00-0186 AC Single Phase, 120 Volt *(26 05 83 00-0130)*

26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	93.42	39.99

26 05 83 00-0188 Motor Moisture Sensor *(26 05 83 00-0130)*

26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	817.18	

26 09 Instrumentation and Control for Electrical Systems *(26)*

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*

Note: Up to 600 volt.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0002		Electrically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0003		NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0004		2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	613.69	127.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.79*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	755.79	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,406.22	223.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,181.45	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,500.31	399.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.96*	
26 09 23 00-0010		3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	692.95	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	829.07	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,525.25	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.58*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,357.49	335.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.57*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,832.90	439.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.96*	
26 09 23 00-0016		4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	814.12	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	974.08	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,840.85	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.78*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,813.64	367.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.77*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	6,154.23	479.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.96*	
26 09 23 00-0022		NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0023		2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	986.83	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,979.75	223.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,972.65	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0027		3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,400.65	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,174.54	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.58*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,276.32	335.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.57*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	7,484.90	439.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.96*	
26 09 23 00-0032		4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,329.95	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,192.64	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.78*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,991.32	367.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.77*	
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	993.99	127.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.79*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,259.99	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,411.68	223.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,609.54	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,937.78	399.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.96*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,033.50	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,333.27	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,533.65	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.58*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,784.59	335.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.57*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,269.38	439.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.96*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,118.14	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,478.29	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,241.41	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.78*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,632.89	367.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.77*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	9,671.85	479.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.96*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,929.85	223.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,153.49	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,929.16	399.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.96*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,136.11	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.58*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,420.73	335.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.57*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,666.13	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.78*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,293.34	367.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.77*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	890.86	127.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.79*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,013.29	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,907.47	223.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,656.17	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,041.42	399.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.96*	
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	954.00	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,088.54	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,029.45	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.58*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,833.19	335.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.57*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,791.72	439.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.96*	
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,031.12	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,161.81	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,371.59	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.78*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,317.84	367.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.77*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	8,186.76	479.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.96*	
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,319.50	127.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.79*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,517.50	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,915.88	223.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,084.25	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,476.93	399.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.96*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,396.61	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,592.74	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,037.86	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.58*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,262.25	335.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.57*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,229.19	439.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.96*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,479.10	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,666.01	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,772.15	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.78*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,137.10	367.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.77*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	11,632.64	479.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.96*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	843.70	143.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,544.80	255.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.38*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	2,104.51	303.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.37*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	4,795.47	399.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.96*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	900.68	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,449.01	479.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.96*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0118		**3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,700.90	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,668.38	281.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.93*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,286.21	369.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.73*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,774.59	483.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.36*	
26 09 23 00-0123		**NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0116)*		
26 09 23 00-0124		**3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,043.97	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,738.26	281.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.93*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,898.19	369.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.73*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,394.98	483.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.36*	
26 09 23 00-0129		**Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0115)*		
26 09 23 00-0130		**NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0129)*		
26 09 23 00-0131		**3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,854.23	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,199.12	281.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.93*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,788.94	369.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.73*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	9,203.17	483.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.36*	
26 09 23 00-0136		**NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0129)*		
26 09 23 00-0137		**3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,198.77	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.58*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,271.95	281.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.93*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,402.39	369.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.73*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,823.55	483.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.36*	
26 09 23 00-0142		**Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket** *(26 09 23)*		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	164.34	41.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.00*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	177.77	41.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.00*	
26 09 23 00-0145		**Dimming Module System (Lutron Grafik Eye)** *(26 09 23)*		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,870.16	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,396.66	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,932.55	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.99*	
26 09 23 00-0149		Dimming Module Contol (Leviton) *(26 09 23)*		
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	241.69	20.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 09 23 00-0151		Light Control Panels *(26 09 23)*		
26 09 23 00-0152		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)*		
26 09 23 00-0153		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,206.72	224.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	2,078.85	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,328.67	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,446.64	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,739.93	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,446.98	224.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,625.54	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,918.54	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,563.85	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,857.13	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0164		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	219.42	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	169.24	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	93.87	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0168		Lighting Control Panels (Synergy) *(26 09 23 00-0151)*		
26 09 23 00-0169		Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,962.26	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0171		Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	718.60	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	278.55	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	164.08	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.42*	
26 09 23 00-0175		Lighting Switching Panels (Lutron) *(26 09 23 00-0151)*		
26 09 23 00-0176		Lighting Switching Panels (Lutron) *(26 09 23 00-0175)*		
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,429.40	240.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.25*	
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,300.05	256.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.86*	
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,294.68	272.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.48*	
26 09 23 00-0180		Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) *(26 09 23 00-0151)*		
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,651.59	224.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,870.28	224.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	2,088.97	224.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	
26 09 23 00-0184		Power Filters *(26 09 23 00-0151)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	42,869.58	1,333.09
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	25,281.23	579.60
26 09 23 00-0187		**Signal Filters** *(26 09 23 00-0151)*		
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	19,845.32	1,211.98
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	13,542.25	740.69
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,560.64	430.02
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	10,240.86	430.02
26 09 23 00-0192		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,626.85	160.27
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,635.66	160.27
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	4,004.54	160.27
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,724.27	160.27
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	138.97	20.04
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	210.91	20.04
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	271.32	40.06
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	324.20	40.06
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	179.05	40.06
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	250.99	40.06
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	623.98	80.14
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	476.19	80.14
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	847.72	80.14
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	309.17	80.14
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	946.69	80.14
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,729.71	320.55
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,143.17	80.14
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	273.96	20.04
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	332.40	20.04
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	318.30	20.04
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	332.40	20.04
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	318.30	20.04
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	242.36	20.04
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	332.40	20.04
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	318.30	20.04
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	236.68	20.04
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	105.15	20.04
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	94.93	40.06
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	95.55	40.06
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	100.53	40.06
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	105.45	40.06
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	111.32	40.06
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	116.61	40.06
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	123.11	40.06
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	152.50	40.06
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	895.35	40.06
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	229.29	40.06
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,151.30	40.06
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	695.86	80.14
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	695.86	80.14
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	695.86	80.14
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	377.38	80.14
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	366.70	80.14
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	373.82	80.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	409.41	80.14
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	373.82	80.14
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	302.65	80.14
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	318.92	80.14
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	318.92	80.14
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	183.33	80.14
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	382.63	80.14
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	527.72	80.14
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	466.36	80.14
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	494.83	80.14
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	509.08	80.14
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	462.80	80.14
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	391.63	80.14
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	481.67	80.14
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	477.94	80.14
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	526.51	80.14
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	511.58	80.14
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	548.07	80.14
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	511.72	80.14
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	511.72	80.14
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	347.70	80.14
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	370.07	80.14
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	623.48	80.14
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	664.56	80.14
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	498.85	80.14
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	518.70	80.14
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,459.51	160.27
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,617.71	641.10
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,619.03	641.10
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,620.33	641.10
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	729.75	80.14
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	831.45	80.14
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,194.12	80.14
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	310.64	40.06
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	364.88	40.06
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	366.23	40.06
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	379.02	40.06
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	279.37	20.04
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	607.72	80.14
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	390.77	80.14
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	390.77	80.14
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	445.01	80.14
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	445.01	80.14
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	270.56	20.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	279.37	20.04
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	607.72	80.14
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	270.56	20.04
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	270.56	20.04
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	270.56	20.04
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	279.37	20.04
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	607.72	80.14
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	390.77	80.14
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	390.77	80.14
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	445.01	80.14
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	445.01	80.14
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	270.56	20.04
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	279.37	20.04
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	607.72	80.14
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	191.45	80.14
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	786.14	80.14
26 09 23 00-0310		**Lighting Control Sensors** *(26 09 23)*		
26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	416.51	36.06
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	416.51	36.06
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	366.52	36.06
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	112.40	24.04
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	10.10	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	72.26	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	13.74	
26 09 23 00-0318		**Radio Controlled Devices (Lutron)** *(26 09 23)*		
26 09 23 00-0319		**Tabletop Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0320		**Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	538.83	24.04
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	698.44	24.04
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	878.00	24.04
26 09 23 00-0324		**Dimmable Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	538.83	24.04
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	638.59	24.04
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	878.00	24.04
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	538.83	24.04
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	698.44	24.04
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	878.00	24.04
26 09 23 00-0331		**Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	698.44	24.04
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	878.00	24.04
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	878.00	24.04
26 09 23 00-0335		**Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	538.83	24.04
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	698.44	24.04
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	638.59	24.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	778.25	24.04
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	698.44	24.04
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	838.10	24.04
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	698.44	24.04
26 09 23 00-0343		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	538.83	24.04
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	698.44	24.04
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	698.44	24.04
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	878.00	24.04
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	698.44	24.04
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	878.00	24.04
26 09 23 00-0350		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	538.83	24.04
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	698.44	24.04
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	878.00	24.04
26 09 23 00-0354		Accessories For Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	119.86	24.04
26 09 23 00-0356		Wall Box Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	498.93	24.04
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	538.83	24.04
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	538.83	24.04
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	538.83	24.04
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	538.83	24.04
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	538.83	24.04
26 09 23 00-0363		Interfaces For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	498.93	24.04
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	498.93	24.04
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	498.93	24.04
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	1,005.69	24.04
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,436.63	24.04
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,436.63	24.04
26 09 23 00-0370		Fluorescent Controllers For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	638.59	24.04
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	718.39	24.04
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	838.10	24.04
26 09 23 00-0374		AC Motor Group Controllers For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	937.85	24.04
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,287.00	24.04
26 09 23 00-0377		Removal And Reinstallation Of Occupancy Sensors *(26 09 23)*		
26 09 23 00-0378	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	108.18	
26 09 23 00-0379	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	72.12	
26 09 23 00-0380		Occupancy Sensors (Watt Stopper) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0381		Occupancy Sensors *(26 09 23 00-0380)* Note: Exclude boxes.		
26 09 23 00-0382		Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0381)*		
26 09 23 00-0383		Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0382)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0384	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	155.48	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0385	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	182.81	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0386		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0382)*		
26 09 23 00-0387	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	129.05	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0388	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	120.77	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0389	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	136.23	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0390	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	157.13	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0391	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	155.41	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0392		**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0382)*		
26 09 23 00-0393	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	224.43	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0394	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	241.72	16.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0395		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0382)*		
26 09 23 00-0396	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.66	4.01
26 09 23 00-0397	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	11.04	4.01
26 09 23 00-0398	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	11.04	4.01
26 09 23 00-0399		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0381)*		
26 09 23 00-0400		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0399)*		
26 09 23 00-0401		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0402	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	208.93	36.06
26 09 23 00-0403	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	238.66	36.06
26 09 23 00-0404	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	268.61	36.06
26 09 23 00-0405	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	265.90	36.06
26 09 23 00-0406		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0407	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	226.53	36.06
26 09 23 00-0408	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	256.68	36.06
26 09 23 00-0409	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	285.23	36.06
26 09 23 00-0410	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	290.06	36.06
26 09 23 00-0411	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	244.55	36.06
26 09 23 00-0412	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	275.45	36.06
26 09 23 00-0413	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	306.23	36.06
26 09 23 00-0414	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	315.10	36.06
26 09 23 00-0415		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0416	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	235.24	36.06
26 09 23 00-0417	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	271.26	36.06
26 09 23 00-0418	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	301.41	36.06
26 09 23 00-0419	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	221.97	36.06
26 09 23 00-0420	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	267.36	36.06
26 09 23 00-0421	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	282.07	36.06
26 09 23 00-0422	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	237.11	36.06
26 09 23 00-0423	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	263.25	36.06
26 09 23 00-0424	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	295.53	36.06
26 09 23 00-0425		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0399)*		
26 09 23 00-0426	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	174.23	36.06
26 09 23 00-0427	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	177.74	36.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0428	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	186.06	36.06
26 09 23 00-0429	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	208.37	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0430	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	211.08	36.06
26 09 23 00-0431	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	222.75	36.06
26 09 23 00-0432	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	241.43	36.06
26 09 23 00-0433		Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0399)*		
26 09 23 00-0434	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	284.98	36.06
26 09 23 00-0435	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	324.51	36.06
26 09 23 00-0436	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	276.59	36.06
26 09 23 00-0437		Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0381)*		
26 09 23 00-0438		Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0437)*		
26 09 23 00-0439	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	348.19	36.06
26 09 23 00-0440	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	348.19	36.06
26 09 23 00-0441		Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0437)*		
26 09 23 00-0442	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	324.51	36.06
26 09 23 00-0443		Occupancy Sensor Power Packs *(26 09 23 00-0380)*		
26 09 23 00-0444		Single Voltage, Occupancy Sensor Power Packs *(26 09 23 00-0443)*		
26 09 23 00-0445	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	119.38	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0446	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	109.34	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0447		Auxiliary, Occupancy Sensor Power Packs *(26 09 23 00-0443)*		
26 09 23 00-0448	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	101.07	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0449		Universal Voltage, Power Packs For Occupancy Sensors *(26 09 23 00-0443)*		
26 09 23 00-0450	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	131.34	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0451		Form C, Occupancy Sensor Power Packs *(26 09 23 00-0443)*		
26 09 23 00-0452	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	119.84	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0453	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	119.92	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0454		Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0443)*		
26 09 23 00-0455	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	148.94	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0456	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	150.93	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0457		Occupancy Sensor Power Supplies *(26 09 23 00-0443)*		
26 09 23 00-0458	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	131.90	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0459	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	296.06	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0460		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0443)*		
26 09 23 00-0461	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	389.38	32.06
26 09 23 00-0462		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0443)*		
26 09 23 00-0463	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	130.20	32.06
26 09 23 00-0464		Occupancy Sensor Accessories *(26 09 23 00-0380)*		
26 09 23 00-0465		Protective Cages For Occupancy Sensors *(26 09 23 00-0464)*		
26 09 23 00-0466	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	73.34	12.02

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0467			Mounting Brackets For Occupancy Sensors *(26 09 23 00-0464)*		
	26 09 23 00-0468	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	59.75	20.04
26 09 23 00-0469			Occupancy/Lighting Logger *(26 09 23 00-0464)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
	26 09 23 00-0470	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	539.67	68.12
26 09 23 00-0471			Digital Time Light Switches *(26 09 23 00-0380)*		
	26 09 23 00-0472	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	116.85	16.03
26 09 23 00-0473			Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0380)*		
	26 09 23 00-0474	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	260.72	52.09
26 09 23 00-0475			Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0476			Occupancy Sensors (Sensor Switch) *(26 09 23 00-0475)* Note: Exclude boxes		
26 09 23 00-0477			Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0476)*		
26 09 23 00-0478			Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0477)*		
	26 09 23 00-0479	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	231.57	16.03
	26 09 23 00-0480	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	165.07	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0481	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	157.75	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0482	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	157.75	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0483	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	198.32	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0484	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	198.32	16.03
	26 09 23 00-0485	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	239.90	16.03
	26 09 23 00-0486	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	198.32	16.03
26 09 23 00-0487			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0477)* Note: Includes passive infrared and microphonics detection		
	26 09 23 00-0488	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	298.07	16.03
	26 09 23 00-0489	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	231.57	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0490	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	226.60	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0491	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	226.60	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0492	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	264.82	16.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
	26 09 23 00-0493	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	264.82	16.03
	26 09 23 00-0494	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	284.77	16.03
26 09 23 00-0495			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0477)*		
	26 09 23 00-0496	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	21.31	4.01
	26 09 23 00-0497	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	21.31	4.01
	26 09 23 00-0498	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	41.26	4.01
	26 09 23 00-0499	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	41.26	4.01
26 09 23 00-0500			360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0476)*		
26 09 23 00-0501			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0500)* Note: One photocell or dimming option per occupancy sensor		
	26 09 23 00-0502	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	271.63	36.06
	26 09 23 00-0503	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	271.63	36.06
	26 09 23 00-0504	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	271.63	36.06
	26 09 23 00-0505	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	288.26	36.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0506	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	288.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0507	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	235.05	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0508	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	354.76	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0509	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	354.76	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0510	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	301.56	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0511	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	271.63	36.06
26 09 23 00-0512	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	271.63	36.06
26 09 23 00-0513	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	271.63	36.06
26 09 23 00-0514	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	288.26	36.06
26 09 23 00-0515	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	288.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0516	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	235.05	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0517	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	354.76	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0518	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	354.76	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0519	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	301.56	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

26 09 23 00-0520 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0500)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0521	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	338.13	36.06
26 09 23 00-0522	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	338.13	36.06
26 09 23 00-0523	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	338.13	36.06
26 09 23 00-0524	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	321.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0525	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	321.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0526	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	268.30	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0527	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	388.01	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	388.01	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0529	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	334.81	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0530	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	338.13	36.06
26 09 23 00-0531	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	338.13	36.06
26 09 23 00-0532	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	338.13	36.06
26 09 23 00-0533	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	321.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0534	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	321.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0535	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	268.30	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0536	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	388.01	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	388.01	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0538	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	334.81	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

26 09 23 00-0539 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0476)*

26 09 23 00-0540 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0539)*

26 09 23 00-0541	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	271.63	36.06
26 09 23 00-0542	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	304.88	36.06
26 09 23 00-0543	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	371.38	36.06
26 09 23 00-0544	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	354.76	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0545	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	421.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

26 09 23 00-0546 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0539)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0547	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	338.13	36.06
26 09 23 00-0548	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	388.01	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0549	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	454.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

26 09 23 00-0550 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0476)*

26 09 23 00-0551 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0550)*

26 09 23 00-0552	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	271.63	36.06
26 09 23 00-0553	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	271.63	36.06
26 09 23 00-0554	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	271.63	36.06
26 09 23 00-0555	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	235.05	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0556	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	235.05	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0557	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	235.05	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0558	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	301.56	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0559	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	301.56	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0560	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	301.56	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0561	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	258.33	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0562	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	258.33	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0563	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	258.33	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0564	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	258.33	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0565	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	258.33	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0566	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	258.33	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0567	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	304.88	36.06
26 09 23 00-0568	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	304.88	36.06
26 09 23 00-0569	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	304.88	36.06
26 09 23 00-0570	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	368.06	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0571	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	368.06	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0572	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	368.06	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0573	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	324.83	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0574	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	324.83	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0575	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	274.95	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0576	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	274.95	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0577	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	274.95	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0578	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	274.95	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0579	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	304.88	36.06
26 09 23 00-0580	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	304.88	36.06
26 09 23 00-0581	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	368.06	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0582	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	368.06	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0583	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	354.76	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	321.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0585	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	321.51	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

26 09 23 00-0586 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0475)*

26 09 23 00-0587	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	157.21	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0588	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	223.72	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0589	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	123.96	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0590	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	113.99	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0591	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	147.24	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0592	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	230.37	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0593	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	230.37	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	
26 09 23 00-0594	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	230.37	32.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.23*	

26 09 23 00-0595 Daylighting Control (Sensor Switch) *(26 09 23 00-0475)*

26 09 23 00-0596	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	238.38	36.06
26 09 23 00-0597	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	238.38	36.06
26 09 23 00-0598	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	238.38	36.06
26 09 23 00-0599	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	238.38	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0600	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	238.38	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0601	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	238.38	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0602	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	238.38	36.06
26 09 23 00-0603	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	238.38	36.06
26 09 23 00-0604	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	238.38	36.06
26 09 23 00-0605	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	238.38	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0606	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	238.38	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0607	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	238.38	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0608	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	338.13	36.06
26 09 23 00-0609	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	338.13	36.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0610	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	338.13	36.06
26 09 23 00-0611	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	338.13	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0612	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	338.13	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0613	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	338.13	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 09 23 00-0614		Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0615		Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0614)*		
		Note: Excludes boxes.		
26 09 23 00-0616		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*		
26 09 23 00-0617		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0616)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0618	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	356.70	16.03
26 09 23 00-0619		360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*		
26 09 23 00-0620		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0619)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0621	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	428.86	36.06
26 09 23 00-0622	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	428.86	36.06
26 09 23 00-0623	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	428.86	36.06
26 09 23 00-0624		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0619)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0625	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	500.20	36.06
26 09 23 00-0626	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	500.20	36.06
26 09 23 00-0627	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	518.01	36.06
26 09 23 00-0628		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*		
26 09 23 00-0629		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0628)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0630	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	500.20	36.06
26 09 23 00-0631		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*		
26 09 23 00-0632		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0631)*		
26 09 23 00-0633	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	428.86	36.06
26 09 23 00-0634		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0614)*		
26 09 23 00-0635	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	153.29	32.06
26 09 23 00-0636	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	189.00	32.06
26 09 23 00-0637	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	249.61	32.06
26 09 23 00-0638	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	249.61	32.06
26 09 23 00-0639		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0614)*		
26 09 23 00-0640	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	518.01	36.06
26 09 23 00-0641	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	419.72	36.06
26 09 23 00-0642		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0614)*		
26 09 23 00-0643	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	357.51	36.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0644		**Controls (Sensor Switch nLight®)** *(26 09 23 00-0614)*		
26 09 23 00-0645	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	239.79	36.06
26 09 23 00-0646	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	339.70	36.06
26 09 23 00-0647	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	767.76	36.06
26 09 23 00-0648	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	767.76	36.06
26 09 23 00-0649	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,836.84	36.06
26 09 23 00-0650		**Occupancy Sensors (Lutron)** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0651		**Wireless Occupancy Sensors** *(26 09 23 00-0650)*		
26 09 23 00-0652	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	181.88	36.06
26 09 23 00-0653	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	189.26	36.06
26 09 23 00-0654	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	183.63	36.06
26 09 23 00-0655	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	193.39	36.06
26 09 23 00-0656	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	185.82	36.06
26 09 23 00-0657	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	193.39	36.06
26 09 23 00-0658	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	181.88	36.06
26 09 23 00-0659	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	185.82	36.06
26 09 23 00-0660	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	183.63	36.06
26 09 23 00-0661	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	275.48	36.06
26 09 23 00-0662	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	292.98	36.06
26 09 23 00-0663	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	332.34	36.06
26 09 23 00-0664	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	349.84	36.06
26 09 23 00-0665	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	358.59	36.06
26 09 23 00-0666	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	376.08	36.06
26 09 23 00-0667	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	220.37	36.06
26 09 23 00-0668	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	231.74	36.06
26 09 23 00-0669	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	268.92	36.06
26 09 23 00-0670	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	297.35	36.06
26 09 23 00-0671	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	319.22	36.06
26 09 23 00-0672	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	277.67	36.06
26 09 23 00-0673	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	256.43	36.06
26 09 23 00-0674	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	216.91	36.06
26 09 23 00-0675	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	263.51	36.06
26 09 23 00-0676	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	316.74	36.06
26 09 23 00-0677	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	335.27	36.06
26 09 23 00-0678	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	335.27	36.06
26 09 23 00-0679	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	335.27	36.06
26 09 23 00-0680	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	352.24	36.06
26 09 23 00-0681	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	568.73	52.09
26 09 23 00-0682		**Nodes And Modules** *(26 09 23 00-0650)*		
26 09 23 00-0683	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	286.42	36.06
26 09 23 00-0684	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	286.42	36.06
26 09 23 00-0685	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	358.59	36.06
26 09 23 00-0686	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	358.59	36.06
26 09 23 00-0687	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	456.27	40.06
26 09 23 00-0688	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	456.27	40.06
26 09 23 00-0689	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	550.31	40.06
26 09 23 00-0690	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	563.43	40.06
26 09 23 00-0691	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	692.46	40.06
26 09 23 00-0692	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	734.01	40.06
26 09 23 00-0693	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	775.57	40.06
26 09 23 00-0694	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,080.06	64.11
26 09 23 00-0695	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,046.89	72.12
26 09 23 00-0696	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,992.36	80.14
26 09 23 00-0697		**Other Accessories** *(26 09 23 00-0650)*		
26 09 23 00-0698	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	51.17	
26 09 23 00-0699	EA	Pico® Wireless Control (Lutron® PJ)	57.21	
26 09 23 00-0700	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	169.09	
26 09 23 00-0701	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	319.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0702	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	345.97	36.06
26 09 23 00-0703	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	434.61	36.06
26 09 23 00-0704	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	434.61	36.06
26 09 23 00-0705	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	705.58	40.06
26 09 23 00-0706	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	961.46	40.06
26 09 23 00-0707	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,152.45	36.06
26 09 23 00-0708	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,143.72	36.06
26 09 23 00-0709	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,526.44	36.06
26 09 23 00-0710	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,895.74	1,119.83
26 09 23 00-0711	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,770.52	1,119.83

26 09 23 00-0712 Fixture Mounted Occupancy Sensors (Leviton) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0713	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	174.88	36.06
26 09 23 00-0714	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	154.76	36.06
26 09 23 00-0715	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	191.51	36.06
26 09 23 00-0716	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	154.76	36.06
26 09 23 00-0717	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	240.50	16.00

26 09 23 00-0718 Wireless Enabled Communication Devices For Streetlights *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0719 Wireless Enabled Communication Nodes For Streetlights (Roam®) *(26 09 23 00-0718)*

26 09 23 00-0720	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	363.89	
26 09 23 00-0721	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	506.58	

26 09 23 00-0722 Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0718)*

26 09 23 00-0723	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	67.81	
26 09 23 00-0724	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,440.77	85.63

26 09 23 00-0725 Emergency Lighting Controls *(26 09 23)*

26 09 23 00-0726 Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0725)*

Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.

26 09 23 00-0727	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	270.59	40.06
26 09 23 00-0728	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	270.59	40.06

26 09 23 00-0729 Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0725)*

Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.

26 09 23 00-0730	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	434.46	56.09
26 09 23 00-0731	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	588.45	64.11
26 09 23 00-0732	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	788.76	72.12

26 09 23 00-0733 Photocells *(26 09 23)*

26 09 23 00-0734	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	116.15	
26 09 23 00-0735	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	278.84	

26 09 23 00-0736 Outdoor Lighting Motion Sensors *(26 09 23)*

26 09 23 00-0737	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	149.37	40.06
26 09 23 00-0738	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	161.92	40.06
26 09 23 00-0739	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	627.97	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	

26 09 23 00-0740 Street Light Controls *(26 09 23)*

26 09 23 00-0741 Photo Controls *(26 09 23 00-0740)*

26 09 23 00-0742	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	121.92	
26 09 23 00-0743	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	137.41	

26 09 23 00-0744 Connector Node *(26 09 23 00-0740)*

26 09 23 00-0745	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	563.87	4.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section *(26 11 13)*

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	82,903.67	2,763.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,686.61*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	101,697.56	3,495.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,108.26*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	115,221.83	3,495.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,108.26*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	132,499.98	3,495.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,248.81*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	150,320.41	4,307.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,594.78*	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	2,268.99	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.09*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	716.69	211.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.44*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	1,074.93	211.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.84*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	850.10	211.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.44*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	3,180.12	716.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*432.43*	

26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	47,718.07	2,763.60
		For 50 Hz Operation, Add	*5,051.53*	
		For Forced Air-Cooling, Add	*5,051.53*	
		For External Control Panel, Add	*1,262.88*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*420.96*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,104.80*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,262.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,314.41*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	54,552.19	3,462.63
		For 50 Hz Operation, Add	*5,702.96*	
		For Forced Air-Cooling, Add	*5,702.96*	
		For External Control Panel, Add	*1,425.74*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*475.25*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,376.23*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,940.58*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,128.70*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	83,945.39	4,876.93
		For 50 Hz Operation, Add	*8,874.08*	
		For Forced Air-Cooling, Add	*8,874.08*	
		For External Control Panel, Add	*2,218.52*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*739.51*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,697.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,243.84*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,092.60*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	121,519.26	5,782.92
		For 50 Hz Operation, Add	*13,085.56*	
		For Forced Air-Cooling, Add	*13,085.56*	
		For External Control Panel, Add	*3,271.39*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,090.46*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,452.32*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,630.79*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,356.95*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	149,705.70	7,483.77
		For 50 Hz Operation, Add	*16,093.74*	
		For Forced Air-Cooling, Add	*16,093.74*	
		For External Control Panel, Add	*4,023.44*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,341.15*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,705.73*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,764.31*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,117.18*	

26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	53,334.23	3,738.98
		For 50 Hz Operation, Add	*5,556.81*	
		For External Control Panel, Add	*1,389.20*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*463.07*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,315.34*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,788.34*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,946.01*	
		For Forced Air-Cooling, Add	*3,704.54*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	60,885.73	3,738.98
		For 50 Hz Operation, Add	*6,287.96*	
		For External Control Panel, Add	*1,571.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*524.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,619.98*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,549.96*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,859.95*	
		For Forced Air-Cooling, Add	*4,191.97*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	97,728.82	5,527.19
		For 50 Hz Operation, Add	*10,378.17*	
		For External Control Panel, Add	*2,594.54*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*864.85*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,324.24*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,810.60*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,972.72*	
		For Forced Air-Cooling, Add	*6,918.78*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	130,904.59	7,483.77
		For 50 Hz Operation, Add	*13,837.61*	
		For External Control Panel, Add	*3,459.40*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,153.13*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,765.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,414.18*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,297.01*	
		For Forced Air-Cooling, Add	*9,225.07*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	162,239.81	7,483.77
		For 50 Hz Operation, Add	*17,597.83*	
		For External Control Panel, Add	*4,399.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,466.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,332.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,331.08*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*21,997.29*	
		For Forced Air-Cooling, Add	*11,731.89*	

26 11 13 00-0027 34.5 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	66,978.69	4,470.52
		For 50 Hz Operation, Add	*7,019.12*	
		For External Control Panel, Add	*1,754.78*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*584.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,924.63*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,311.58*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,773.89*	
		For Forced Air-Cooling, Add	*4,679.41*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	80,900.40	6,990.27
		For 50 Hz Operation, Add	*8,481.43*	
		For External Control Panel, Add	*2,120.36*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*706.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,533.93*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,834.82*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,601.78*	
		For Forced Air-Cooling, Add	*5,654.28*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	111,821.15	6,990.27
		For 50 Hz Operation, Add	*11,731.93*	
		For External Control Panel, Add	*2,932.98*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*977.66*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,888.31*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,220.76*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,664.92*	
		For Forced Air-Cooling, Add	*7,821.29*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	143,438.60	7,313.69
		For 50 Hz Operation, Add	*15,341.69*	
		For External Control Panel, Add	*3,835.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,278.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,392.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,980.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,177.11*	
		For Forced Air-Cooling, Add	*10,227.79*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	248,076.90	9,354.72
		For 50 Hz Operation, Add	*27,374.42*	
		For External Control Panel, Add	*6,843.61*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,281.20*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,406.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*28,515.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*34,218.03*	
		For Forced Air-Cooling, Add	*18,249.61*	

26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	102,753.61	5,202.06
		For 50 Hz Operation, Add	*11,103.81*	
		For External Control Panel, Add	*2,775.95*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*925.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,626.59*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,566.47*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,879.76*	
		For Forced Air-Cooling, Add	*7,402.54*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	116,148.72	5,202.06
		For 50 Hz Operation, Add	*12,588.56*	
		For External Control Panel, Add	*3,147.14*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,049.05*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,245.23*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,113.09*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,735.70*	
		For Forced Air-Cooling, Add	*8,392.37*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	160,917.18	6,990.27
		For 50 Hz Operation, Add	*17,623.46*	
		For External Control Panel, Add	*4,405.86*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,468.62*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,343.11*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,357.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,029.32*	
		For Forced Air-Cooling, Add	*11,748.97*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	196,428.80	9,354.72
		For 50 Hz Operation, Add	*21,176.65*	
		For External Control Panel, Add	*5,294.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,764.72*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,823.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*22,059.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*26,470.81*	
		For Forced Air-Cooling, Add	*14,117.77*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	279,489.76	9,354.72
		For 50 Hz Operation, Add	*31,143.96*	
		For External Control Panel, Add	*7,785.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,595.33*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,976.65*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*32,441.63*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*38,929.96*	
		For Forced Air-Cooling, Add	*20,762.64*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	147,964.80	5,527.19
		For 50 Hz Operation, Add	*16,406.49*	
		For External Control Panel, Add	*4,101.62*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,367.21*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,836.04*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,090.10*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,508.11*	
		For Forced Air-Cooling, Add	*10,937.66*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	169,925.71	6,990.27
		For 50 Hz Operation, Add	*18,704.48*	
		For External Control Panel, Add	*4,676.12*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,558.71*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,793.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*19,483.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*23,380.60*	
		For Forced Air-Cooling, Add	*12,469.65*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	233,606.87	6,990.27
		For 50 Hz Operation, Add	*26,346.22*	
		For External Control Panel, Add	*6,586.55*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,195.52*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,977.59*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,443.98*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*32,932.77*	
		For Forced Air-Cooling, Add	*17,564.15*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	247,165.50	9,354.72
		For 50 Hz Operation, Add	*27,265.05*	
		For External Control Panel, Add	*6,816.26*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,272.09*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,360.44*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*28,401.10*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*34,081.32*	
		For Forced Air-Cooling, Add	*18,176.70*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	323,866.56	9,354.72
		For 50 Hz Operation, Add	*36,469.18*	
		For External Control Panel, Add	*9,117.30*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,039.10*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*15,195.49*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*37,988.73*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*45,586.48*	
		For Forced Air-Cooling, Add	*24,312.79*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	88,571.05	1,280.17
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	97,267.70	1,280.17
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	110,718.87	1,590.18
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	103,458.78	1,912.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	116,596.93	1,912.10
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	133,012.78	2,221.45
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	137,079.32	2,538.00
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	153,437.05	2,538.00
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	160,790.06	2,850.20

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	41,814.96	1,879.89
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	48,178.64	1,879.89

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	59,068.34	1,879.89
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	63,209.86	1,879.89

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	25,358.09	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,468.28	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	44,363.68	1,219.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,934.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,257.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*419.25*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	65,547.03	1,463.08
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,383.46*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,878.63*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*626.21*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	74,224.72	1,625.65
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,968.14*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,129.20*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*709.73*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	87,698.33	2,032.05
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,854.40*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,509.03*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*836.34*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	97,468.74	2,519.75
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,470.05*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,772.88*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*924.29*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	103,747.84	3,088.72
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,829.93*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,927.11*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*975.70*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	121,277.63	1,625.65
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,965.98*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,413.99*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,138.00*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	129,123.82	4,064.11
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,469.69*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,629.87*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,209.96*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	144,375.07	4,470.52
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,480.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,063.02*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,354.34*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	167,233.21	4,958.21
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*11,012.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,719.50*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,573.17*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	183,683.57	5,405.26
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*12,101.11*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,186.19*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,728.73*	

26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ *(26 11 16 11-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	42,272.09	1,219.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,788.35*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,195.01*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*398.34*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	64,381.11	1,219.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,335.99*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,858.28*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*619.43*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	74,178.43	1,625.65
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,964.90*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,127.81*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*709.27*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	87,777.97	2,032.05
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,859.97*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,511.42*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*837.14*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	105,596.18	2,519.75
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,038.97*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,016.70*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,005.57*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	113,867.96	3,088.72
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,538.34*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,230.72*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,076.91*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	125,950.72	3,738.98
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,293.09*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,554.18*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,184.73*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	137,173.64	4,064.11
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,033.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,871.36*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,290.45*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	154,784.71	4,470.52
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,209.06*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,375.31*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,458.44*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	12,707.37
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	25,228.44
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	16,611.96
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	92,188.03
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	86,251.08

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,060.22	1,788.58
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	12,277.31	2,062.27

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	78,279.45	1,300.51
		For Gas Filled Transformers, Add	*45,407.05*	
		For Single Phase Transformers, Deduct	*-1,891.96*	
		For Dry Type Unit, Add	*16,909.36*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	78,442.02	1,381.79
		For Gas Filled Transformers, Add	*45,407.05*	
		For Single Phase Transformers, Deduct	*-1,891.96*	
		For Dry Type Unit, Add	*16,925.61*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	79,915.47	1,625.65
		For Gas Filled Transformers, Add	*45,998.51*	
		For Single Phase Transformers, Deduct	*-1,916.60*	
		For Dry Type Unit, Add	*17,191.25*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	88,212.05	1,788.20
		For Gas Filled Transformers, Add	*50,781.38*	
		For Single Phase Transformers, Deduct	*-2,115.89*	
		For Dry Type Unit, Add	*18,977.48*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,772.96	2,113.34
		For Gas Filled Transformers, Add	*56,127.77*	
		For Single Phase Transformers, Deduct	*-2,338.66*	
		For Dry Type Unit, Add	*21,002.85*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	113,287.23	2,438.46
		For Gas Filled Transformers, Add	*65,046.18*	
		For Single Phase Transformers, Deduct	*-2,710.26*	
		For Dry Type Unit, Add	*24,337.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	131,431.91	2,926.16
		For Gas Filled Transformers, Add	*75,347.76*	
		For Single Phase Transformers, Deduct	*-3,139.49*	
		For Dry Type Unit, Add	*28,212.74*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	155,569.64	3,251.29
		For Gas Filled Transformers, Add	*89,440.24*	
		For Single Phase Transformers, Deduct	*-3,726.68*	
		For Dry Type Unit, Add	*33,445.01*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	202,427.30	3,413.85
		For Gas Filled Transformers, Add	*117,359.76*	
		For Single Phase Transformers, Deduct	*-4,889.99*	
		For Dry Type Unit, Add	*43,714.68*	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,593.83	1,300.51
		For Gas Filled Transformers, Add	*43,795.68*	
		For Single Phase Transformers, Deduct	*-1,824.82*	
		For Dry Type Unit, Add	*16,318.52*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	78,442.02	1,381.79
		For Gas Filled Transformers, Add	*45,407.05*	
		For Single Phase Transformers, Deduct	*-1,891.96*	
		For Dry Type Unit, Add	*16,925.61*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	79,915.47	1,625.65
		For Gas Filled Transformers, Add	*45,998.51*	
		For Single Phase Transformers, Deduct	*-1,916.60*	
		For Dry Type Unit, Add	*17,191.25*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	88,212.05	1,788.20
		For Gas Filled Transformers, Add	*50,781.38*	
		For Single Phase Transformers, Deduct	*-2,115.89*	
		For Dry Type Unit, Add	*18,977.48*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,772.96	2,113.34
		For Gas Filled Transformers, Add	*56,127.77*	
		For Single Phase Transformers, Deduct	*-2,338.66*	
		For Dry Type Unit, Add	*21,002.85*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	113,287.23	2,438.46
		For Gas Filled Transformers, Add	*65,046.18*	
		For Single Phase Transformers, Deduct	*-2,710.26*	
		For Dry Type Unit, Add	*24,337.96*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	131,431.91	2,926.16
		For Gas Filled Transformers, Add	*75,347.76*	
		For Single Phase Transformers, Deduct	*-3,139.49*	
		For Dry Type Unit, Add	*28,212.74*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	155,569.64	3,251.29
		For Gas Filled Transformers, Add	*89,440.24*	
		For Single Phase Transformers, Deduct	*-3,726.68*	
		For Dry Type Unit, Add	*33,445.01*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	202,427.30	3,413.85
		For Gas Filled Transformers, Add	*117,359.76*	
		For Single Phase Transformers, Deduct	*-4,889.99*	
		For Dry Type Unit, Add	*43,714.68*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	222,358.96	3,576.42
		For Gas Filled Transformers, Add	*129,123.68*	
		For Single Phase Transformers, Deduct	*-5,380.15*	
		For Dry Type Unit, Add	*48,060.63*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	248,430.27	3,738.98
		For Gas Filled Transformers, Add	*144,571.39*	
		For Single Phase Transformers, Deduct	*-6,023.81*	
		For Dry Type Unit, Add	*53,757.30*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	286,757.60	3,901.54
		For Gas Filled Transformers, Add	*167,372.71*	
		For Single Phase Transformers, Deduct	*-6,973.86*	
		For Dry Type Unit, Add	*62,150.30*	

26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	84,162.09	1,463.08
		For Gas Filled Transformers, Add	*48,741.56*	
		For Single Phase Transformers, Deduct	*-2,030.90*	
		For Dry Type Unit, Add	*18,164.52*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	86,994.74	1,544.36
		For Gas Filled Transformers, Add	*50,343.61*	
		For Single Phase Transformers, Deduct	*-2,097.65*	
		For Dry Type Unit, Add	*18,768.20*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	92,954.57	1,788.20
		For Gas Filled Transformers, Add	*53,626.89*	
		For Single Phase Transformers, Deduct	*-2,234.45*	
		For Dry Type Unit, Add	*20,020.84*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	98,092.06	1,950.77
		For Gas Filled Transformers, Add	*56,514.31*	
		For Single Phase Transformers, Deduct	*-2,354.76*	
		For Dry Type Unit, Add	*21,112.07*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	111,813.34	2,275.90
		For Gas Filled Transformers, Add	*64,356.92*	
		For Single Phase Transformers, Deduct	*-2,681.54*	
		For Dry Type Unit, Add	*24,052.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	123,850.29	2,601.03
		For Gas Filled Transformers, Add	*71,188.94*	
		For Single Phase Transformers, Deduct	*-2,966.21*	
		For Dry Type Unit, Add	*26,622.82*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	144,579.69	3,088.72
		For Gas Filled Transformers, Add	*83,041.34*	
		For Single Phase Transformers, Deduct	*-3,460.06*	
		For Dry Type Unit, Add	*31,066.24*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	175,462.50	3,413.85
		For Gas Filled Transformers, Add	*101,180.88*	
		For Single Phase Transformers, Deduct	*-4,215.87*	
		For Dry Type Unit, Add	*37,782.43*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	212,516.88	3,576.42
		For Gas Filled Transformers, Add	*123,218.43*	
		For Single Phase Transformers, Deduct	*-5,134.10*	
		For Dry Type Unit, Add	*45,895.37*	
26 11 16 11-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	84,162.09	1,463.08
		For Gas Filled Transformers, Add	*48,741.56*	
		For Single Phase Transformers, Deduct	*-2,030.90*	
		For Dry Type Unit, Add	*18,164.52*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	86,994.74	1,544.36
		For Gas Filled Transformers, Add	*50,343.61*	
		For Single Phase Transformers, Deduct	*-2,097.65*	
		For Dry Type Unit, Add	*18,768.20*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	92,954.57	1,788.20
		For Gas Filled Transformers, Add	*53,626.89*	
		For Single Phase Transformers, Deduct	*-2,234.45*	
		For Dry Type Unit, Add	*20,020.84*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	98,092.06	1,950.77
		For Gas Filled Transformers, Add	*56,514.31*	
		For Single Phase Transformers, Deduct	*-2,354.76*	
		For Dry Type Unit, Add	*21,112.07*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	111,813.34	2,275.90
		For Gas Filled Transformers, Add	*64,356.92*	
		For Single Phase Transformers, Deduct	*-2,681.54*	
		For Dry Type Unit, Add	*24,052.72*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	108,326.51	2,601.03
		For Gas Filled Transformers, Add	*61,874.67*	
		For Single Phase Transformers, Deduct	*-2,578.11*	
		For Dry Type Unit, Add	*23,207.59*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	112,687.81	3,088.72
		For Gas Filled Transformers, Add	*63,906.22*	
		For Single Phase Transformers, Deduct	*-2,662.76*	
		For Dry Type Unit, Add	*24,050.02*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	138,923.55	3,413.85
		For Gas Filled Transformers, Add	*79,257.51*	
		For Single Phase Transformers, Deduct	*-3,302.40*	
		For Dry Type Unit, Add	*29,743.86*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	165,157.58	3,576.42
		For Gas Filled Transformers, Add	*94,802.85*	
		For Single Phase Transformers, Deduct	*-3,950.12*	
		For Dry Type Unit, Add	*35,476.33*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	184,851.49	3,738.98
		For Gas Filled Transformers, Add	*106,424.12*	
		For Single Phase Transformers, Deduct	*-4,434.34*	
		For Dry Type Unit, Add	*39,769.97*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	217,445.95	3,901.54
		For Gas Filled Transformers, Add	*125,785.72*	
		For Single Phase Transformers, Deduct	*-5,241.07*	
		For Dry Type Unit, Add	*46,901.74*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	267,289.06	4,064.11
		For Gas Filled Transformers, Add	*155,496.50*	
		For Single Phase Transformers, Deduct	*-6,479.02*	
		For Dry Type Unit, Add	*57,828.21*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,583.46
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,914.01

26 12 16 Dry-Type, Medium-Voltage Transformers *(26 12)*

26 12 16 00-0001 Removal and Relocation of Transformers *(26 12 16)*

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	674.64
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,998.41

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 19 00-0001 Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*

Note: Designed for residential and multi-family buildings. UL listed.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0002		**Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled** *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		**Primary, 4.16/4.8 KV Ground Y Or Delta** *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	22,198.57	812.82
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,082.43	975.39
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,726.80	1,137.95
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,689.49	1,219.24
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,581.81	1,300.51
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	53,102.99	1,706.93
26 12 19 00-0010		**Factory Modifications Material Cost Only** *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,926.08	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,175.95	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	5,693.55	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,147.80	812.82
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,588.56	812.82
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,857.81	1,113.57
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	42,474.97	1,113.57
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	47,716.57	1,463.08
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	57,192.23	1,463.08
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	92,895.20	2,032.05
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	6,568.10	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,664.17	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,175.95	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	8,424.31	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,248.86	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,945.44	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,568.54	812.82
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	32,406.41	812.82
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,541.17	1,113.57
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,559.02	1,113.57
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	51,717.63	1,463.08
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	64,271.98	1,463.24
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	81,620.75	2,032.05
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,239.85	537.11
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,965.90	755.31
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	38,354.97	1,208.50
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	69,388.33	1,208.50
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	95,822.86	1,980.58
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	129,281.68	1,980.58

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,595.33	570.68
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,373.88	570.68
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,262.54	805.66
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,421.59	805.66
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,319.93	1,091.00
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,742.31	1,678.47
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	94,533.84	1,678.47
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	127,291.94	2,098.08
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,595.33	570.68
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,374.54	570.68
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,262.54	805.66
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,421.59	805.66
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,319.93	1,091.00
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,134.08	1,477.05
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,742.31	1,477.05
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	94,533.84	1,863.10
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	127,291.94	2,098.08
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,617.89	570.68
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,578.05	570.68
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,875.84	805.66
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,759.98	805.66
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,157.82	1,091.00
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,934.28	1,477.05
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,810.33	1,477.05
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	104,454.41	1,863.10
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	140,740.47	2,098.08
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,595.33	570.68
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,373.88	570.68
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,262.54	1,096.20
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,421.59	1,477.05
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,319.93	1,091.00
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,901.32	1,477.05
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,729.09	1,477.05
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,595.33	570.68
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,373.88	570.68
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,262.54	805.66
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,421.59	805.66
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,319.93	1,091.00
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,901.32	1,477.05
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,729.09	1,477.05
26 12 19 00-0092		**2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,451.81	587.47
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,823.57	654.60
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,835.04	721.74
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,579.46	1,007.08
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,623.02	1,174.92
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	42,907.42	1,376.34
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	51,831.05	1,577.76
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	82,228.54	2,014.16
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	114,867.66	2,265.92
26 12 19 00-0102		**Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 12 19)*		
26 12 19 00-0103		**Distribution 3 Phase Oil Filled Transformer** *(26 12 19 00-0102)*		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0104		**Factory Modifications** *(26 12 19 00-0103)*		
		Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0105	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,757.10	
26 12 19 00-0106	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	610.95	
26 12 19 00-0107	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,443.78	
26 12 19 00-0108	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	7,040.68	
26 12 19 00-0109	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	862.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0110	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	682.82	

26 12 19 00-0111 Accessories For Transformer Liquid Containment Area *(26 12 19 00-0103)*

Note: Reinforced concrete curb with 6" slab.

26 12 19 00-0112	EA	Containment Area For 75 KVA	10,131.49	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,993.65*	
26 12 19 00-0113	EA	Containment Area For 112.5 KVA	10,131.49	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,993.65*	
26 12 19 00-0114	EA	Containment Area For 150 KVA	10,131.49	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,993.65*	
26 12 19 00-0115	EA	Containment Area For 225 KVA	10,131.49	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,993.65*	
26 12 19 00-0116	EA	Containment Area For 300 KVA	10,120.76	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,990.43*	
26 12 19 00-0117	EA	Containment Area For 500 KVA	10,120.76	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,990.43*	
26 12 19 00-0118	EA	Containment Area For 750 KVA	10,221.39	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,990.43*	
26 12 19 00-0119	EA	Containment Area For 1,000 KVA	11,680.47	2,990.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,990.43*	

26 12 19 00-0120 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL *(26 12 19 00-0103)*

Note: Rated to 5 KVA.

26 12 19 00-0121	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,760.58	1,950.77
26 12 19 00-0122	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	24,916.86	1,950.77
26 12 19 00-0123	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,354.38	1,950.77
26 12 19 00-0124	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,666.93	1,950.77
26 12 19 00-0125	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	32,695.64	2,926.16
26 12 19 00-0126	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	34,133.16	2,926.16
26 12 19 00-0127	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	51,383.38	2,926.16
26 12 19 00-0128	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	65,646.40	3,901.54
26 12 19 00-0129	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	84,334.13	3,901.54

26 12 19 00-0130 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL *(26 12 19 00-0103)*

Note: Rated to 5 KVA.

26 12 19 00-0131	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,479.34	1,950.77
26 12 19 00-0132	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,354.38	1,950.77
26 12 19 00-0133	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,073.14	1,950.77
26 12 19 00-0134	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,791.89	1,950.77
26 12 19 00-0135	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	32,695.64	2,926.16
26 12 19 00-0136	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	35,570.68	2,926.16
26 12 19 00-0137	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	51,383.38	2,926.16
26 12 19 00-0138	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	66,365.15	3,901.54
26 12 19 00-0139	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	84,334.13	3,901.54

26 12 19 00-0140 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 12 19 00-0102)*

26 12 19 00-0141	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	148,856.29	7,244.68
26 12 19 00-0142	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	183,544.31	8,331.42
26 12 19 00-0143	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	209,151.24	8,769.86
26 12 19 00-0144	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	221,833.88	9,801.65
26 12 19 00-0145	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	249,273.21	10,098.66

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,096.08	1,745.60
		For Weatherproofing, Add	*3,956.36*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,049.48	1,745.60
		For Weatherproofing, Add	*4,166.11*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,333.35	2,223.97
		For Weatherproofing, Add	*5,718.87*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	37,282.76	2,223.97
		For Weatherproofing, Add	*7,870.31*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	53,489.95	2,685.55
		For Weatherproofing, Add	*11,391.21*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	48,787.90	2,685.55
		For Weatherproofing, Add	*10,337.74*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,544.93	2,014.16
		For Weatherproofing, Add	*6,009.79*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	35,041.55	2,517.70
		For Weatherproofing, Add	*7,356.31*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	49,313.96	3,021.24
		For Weatherproofing, Add	*10,436.82*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,512.37	2,014.16
		For Weatherproofing, Add	*5,760.45*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	37,908.65	2,014.16
		For Weatherproofing, Add	*7,999.34*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	55,429.82	2,685.55
		For Weatherproofing, Add	*11,798.96*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	34,608.29	2,685.55
		For Weatherproofing, Add	*7,240.83*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	50,318.08	3,356.93
		For Weatherproofing, Add	*10,648.86*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	70,475.30	3,356.93
		For Weatherproofing, Add	*15,032.71*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	48,430.69	3,356.93
		For Weatherproofing, Add	*10,219.59*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	67,217.54	3,356.93
		For Weatherproofing, Add	*14,304.35*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	87,177.50	3,356.93
		For Weatherproofing, Add	*18,649.80*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,550.02	1,099.39
		For Weatherproofing, Add	*1,726.81*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,134.71	1,099.39
		For Weatherproofing, Add	*2,295.45*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,059.69	1,460.26
		For Weatherproofing, Add	*2,449.15*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,944.08	1,804.35
		For Weatherproofing, Add	*3,035.03*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,175.29	1,804.35
		For Weatherproofing, Add	*4,185.89*	

26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,825.93	1,678.47
		For Weatherproofing, Add	*2,206.08*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,167.05	1,678.47
		For Weatherproofing, Add	*2,891.67*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	21,643.09	1,678.47
		For Weatherproofing, Add	*4,487.60*	

26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,157.05	1,426.69
		For Weatherproofing, Add	*2,255.75*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,905.09	1,426.69
		For Weatherproofing, Add	*2,420.32*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,074.10	1,762.39
		For Weatherproofing, Add	*3,508.43*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,190.15	2,114.87
		For Weatherproofing, Add	*3,045.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,715.23	2,114.87
		For Weatherproofing, Add	*3,820.65*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	21,516.92	2,467.34
		For Weatherproofing, Add	*4,387.14*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,128.08	2,819.82
		For Weatherproofing, Add	*4,032.58*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	22,543.57	2,819.82
		For Weatherproofing, Add	*4,563.99*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	27,791.37	3,155.52
		For Weatherproofing, Add	*5,669.05*	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections *(26 13 16 00-0001)*

26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,409.45	1,063.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*638.20*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	6,769.77	1,180.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*708.21*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	8,842.43	1,419.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*852.01*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,531.26	2,135.51
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	6,809.91	146.15
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,093.07	146.15
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	16,644.33	146.15
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	13,082.37	146.15
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	14,280.90	146.15
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	19,436.19	146.15
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,089.59	146.15
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,490.91	146.15
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	5,297.92	146.15
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	3,394.38	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,333.56	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,333.56	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,966.99	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0061	EA	Indicating Varmeter	2,318.42	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,459.38	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	2,969.87	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	6,438.96	146.15
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	907.30	146.15
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	4,300.05	146.15

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	69,242.66	2,098.08
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	76,461.20	2,651.97
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	86,807.88	2,651.97
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	79,366.62	2,098.08
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	89,291.23	2,098.08
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	101,772.69	2,467.34
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	105,000.71	2,819.82
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	114,975.73	2,819.82
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	125,627.33	3,172.29

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	22,126.40	1,402.49
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	34,955.02	2,120.43
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	47,327.48	2,604.62
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	78,621.90	3,022.02
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	101,056.30	3,439.43

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,794.67	425.75
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,317.84	425.75
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,807.19	626.11
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	21,166.37	626.11
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	35,343.06	918.30

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	9,701.18	475.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.09*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	12,195.24	475.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.41*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	15,804.60	734.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*459.15*	
26 13 29 00-0018		Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	5,430.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	4,196.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	13,580.89	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	13,580.89	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	18,005.24	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	23,361.04	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	10,028.06	166.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.99*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	28,798.01	2,468.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,481.27*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	6,082.78	146.15
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	7,166.87	146.15
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	3,833.11	73.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.85*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	29,376.61	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	3,646.82	73.08

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*
Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	89,442.19	1,219.24
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	100,618.17	1,219.24

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001 Primary Fuse Cutouts *(26 19 18)*
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes the fuse and cutout switch.

26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	904.13	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,071.97	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.77*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,239.26	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.96*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,261.55	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.14*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,261.55	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.14*	
26 19 18 00-0009		17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		
26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	904.13	335.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0011		17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		
26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	933.48	335.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	

26 19 18 00-0013 Fuseholders *(26 19 18 00-0002)*
Note: Including current limiting fuse.

26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	780.42	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	948.26	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	1,115.55	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.96*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	790.58	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	958.42	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.77*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	780.42	335.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0020		Accessories *(26 19 18 00-0002)*		
26 19 18 00-0021	EA	Hot Line Clamp	114.21	37.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.18*	
26 19 18 00-0022	EA	Stirrup	123.52	37.76
26 19 18 00-0023		Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024		8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,132.67	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,300.51	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.77*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,467.80	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.96*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,511.39	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.14*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,511.39	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.14*	
26 19 18 00-0030		17.1 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	1,132.67	335.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0032		17.1 KV-125 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	1,132.67	335.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0034		Fuseholders *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	790.90	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	958.74	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.77*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	1,126.03	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.96*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	790.90	419.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.42*	
26 19 18 00-0039		Pole Mounted Capacitors *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,979.39	338.38
26 19 80		**Transmission and Distribution Accessories** *(26 19)*		
26 19 80 60		**Structure Assemblies** *(26 19 80)*		
26 19 80 60-0001		Pole Structure Assemblies *(26 19 80 60)*		
26 19 80 60-0002		5 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	679.52	318.91
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,136.30	537.11
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,251.99	419.61
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	708.48	218.20
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	905.57	302.13
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,601.47	604.24
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,251.14	453.19
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,307.42	906.37
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,619.12	1,023.87
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,419.82	503.54
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,228.56	537.11
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,326.52	1,091.00
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,734.76	654.60
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,096.04	469.97
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,079.61	956.73
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,596.40	486.76
26 19 80 60-0019		15 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	708.87	318.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,178.23	537.11
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,394.57	419.61
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	758.80	218.20
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	976.86	285.34
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,744.05	604.24
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,355.98	453.19
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,521.29	906.37
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,908.47	1,023.87
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,562.40	503.54
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,283.07	537.11
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,381.03	1,091.00
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,843.79	654.60
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,150.55	453.19
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,134.12	956.73
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,705.43	587.47
26 19 80 60-0036		**25 KV Pole Structure Assemblies** *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,061.42	503.54
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,250.30	251.77
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,815.52	386.05
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,448.92	788.87
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,298.18	587.47
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,758.67	1,158.14
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,626.43	1,309.21
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,516.02	763.70
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,201.78	763.70
26 19 80 60-0046		**50 KV Pole Structure Assemblies** *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,769.68	688.18
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,501.21	352.48
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,928.32	553.89
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,638.58	1,124.57
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,785.54	839.23
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,365.60	1,678.47
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	6,321.48	1,863.10
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,213.21	906.37
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,268.05	1,049.04
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,144.63	990.29
26 19 80 60-0057		**Overhead To Underground Conversion Structures** *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		**5 KV Structures** *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,810.20	3,356.93
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,810.20	3,356.93
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,810.20	3,356.93
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,810.20	3,356.93
26 19 80 60-0063		**15 KV Structures** *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	7,007.51	3,356.93
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	7,007.51	3,356.93
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	7,007.51	3,356.93
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	7,007.51	3,356.93
26 19 80 60-0068		**25 KV Structures** *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,222.77	3,356.93
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,222.77	3,356.93
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,222.77	3,356.93
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,222.77	3,356.93
26 19 80 60-0073		**Transformer Stations** *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		**5 KV Station** *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	10,816.94	4,473.52
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	12,127.48	5,034.39
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	13,438.01	5,594.88
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	13,438.01	5,594.88
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	10,816.94	4,473.52
26 19 80 60-0080		**15 KV Stations** *(26 19 80 60-0073)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	11,121.90	4,473.52
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	12,432.44	5,034.39
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	13,742.97	5,594.88
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	13,742.97	5,594.88
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	11,121.90	4,473.52
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	11,454.58	4,473.52
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	12,765.12	5,034.39
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	14,075.65	5,594.88
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	14,075.65	5,594.88
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	11,454.58	4,473.52

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.79	4.00
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.04	4.73
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.47	5.33
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.75	6.71
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.23	4.73
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.23	5.33
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.34	6.71
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	24.35	8.18
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	31.70	10.83
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	40.58	13.43
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	54.90	15.99
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.27	5.33
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.33	6.71
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	24.99	8.61
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	32.81	10.83
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	36.57	11.99
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	42.43	13.43
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	49.85	15.99
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	63.09	17.67
26 21 13 00-0025		Weatherproof Conduit Hubs *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	73.06	28.16
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	83.26	32.00
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	95.73	35.83
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	132.06	47.99
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	144.53	51.83
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	181.74	60.15
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	230.48	67.83
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	292.05	79.99
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	530.71	159.97
26 21 13 00-0035		Galvanized Threaded Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	79.10	28.16
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	90.50	32.00
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	103.01	35.83
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	138.28	47.99
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	154.53	51.83
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	196.97	60.15
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	305.91	67.83
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	350.35	79.99
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	597.76	159.97
26 21 13 00-0045		Aluminum Clamp-On Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	77.20	28.16
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	87.30	32.00
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	98.68	35.68
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	131.44	47.99
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	145.29	51.83
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	170.57	60.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	256.40	67.83
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	325.45	79.99
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	463.80	119.98
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	568.12	159.97
26 21 13 00-0056		Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	74.79	28.16
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	85.38	32.00
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	96.53	35.68
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	128.81	47.99
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	139.93	51.83
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	168.65	60.15
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	253.69	67.83
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	287.71	79.99
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	479.30	119.98
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	658.48	159.97

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,417.45	1,491.99
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,192.27	1,579.77
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,306.44	1,678.47
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,639.23	1,678.47
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	9,611.38	1,790.42
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	11,414.84	2,065.85
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	14,002.38	2,685.55

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,926.31	407.46
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,669.87	488.95
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,438.33	510.13
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,213.73	529.70
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,085.21	570.44
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,292.00	611.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*303.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*455.22*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,003.19	651.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*334.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*502.45*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,711.98	733.42
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*312.26*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*468.38*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,228.99	814.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*379.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*569.94*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	12,256.55	977.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*515.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*772.56*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,604.26	1,140.88
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*666.13*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*999.19*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	25,031.56	1,466.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,104.89*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,657.34*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	45,507.44	1,792.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,096.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,144.14*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	71,709.21	2,037.28
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,381.73*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,072.60*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,152.63	488.95
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,609.51	509.33
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,287.25	529.70
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,906.55	570.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0022		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,595.48	611.18
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,338.16	651.93
26 22 13 00-0025		**1 Phase Mounting Brackets** *(26 22 13 00-0001)*		
26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	767.18	292.31
26 22 13 00-0027		**1 Phase Weathershields** *(26 22 13 00-0001)*		
		Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	218.65	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	278.70	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	332.34	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	396.48	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	536.41	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	641.36	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	787.13	
26 22 13 00-0035		**Packaged Power Supply** *(26 22 13 00-0001)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	4,233.09	509.33
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,818.01	529.70
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	5,223.62	570.44
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	6,521.31	611.18
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	9,207.67	651.93
26 22 13 00-0041		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		
26 22 13 00-0042	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	3,153.11	366.71
26 22 13 00-0043	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,575.63	407.46
26 22 13 00-0044	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,321.67	488.95
26 22 13 00-0045	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,916.32	509.33
26 22 13 00-0046	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	6,715.05	529.70
26 22 13 00-0047	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	8,778.93	570.44
26 22 13 00-0048	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	11,530.82	611.18
26 22 13 00-0049		**600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0050	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,343.16	611.18
26 22 13 00-0051	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,859.54	651.93
26 22 13 00-0052	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,422.19	692.67
26 22 13 00-0053	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,536.13	733.42
26 22 13 00-0054	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,328.05	774.16
26 22 13 00-0055	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	28,664.30	814.91
26 22 13 00-0056		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)*		
		Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057		**Packaged Power Supply** *(26 22 13 00-0056)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	18,911.68	1,752.06
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*770.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,155.57*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	22,841.87	1,874.30
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*954.66*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,432.00*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	27,501.72	2,037.28
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,171.36*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,757.04*	
26 22 13 00-0061		**Drive Isolation Transformers** *(26 22 13 00-0056)*		
		Note: Only use in step-up applications.		
26 22 13 00-0062		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0061)*		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,744.18	651.93
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,591.31	692.67
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,025.94	733.42
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,400.42	774.16
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,925.94	855.66
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,510.86	937.15
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,811.44	1,018.64
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	23,064.58	1,140.88
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,977.64	1,181.62
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,877.63	1,222.37
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,412.50	1,263.12
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	40,839.11	1,548.34
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,583.35	1,629.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	52,267.45	1,711.32
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	63,772.21	2,037.28
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	84,582.21	2,403.99
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	89,242.78	2,648.47
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	108,773.90	2,933.68
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	134,370.87	3,259.65

26 22 13 00-0082 208V Drive Isolation Transformers *(26 22 13 00-0061)*

26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,224.69	651.93
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,161.70	692.67
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,614.30	733.42
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,105.49	774.16
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,649.47	855.66
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,225.25	896.40
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,797.64	1,059.39
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,122.43	1,140.88
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	26,128.71	1,181.62
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	30,223.07	1,222.37
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	38,137.31	1,263.12
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	42,760.20	1,548.34
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	47,737.62	1,629.83
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	54,753.65	1,711.32
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	66,810.82	2,037.28

26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,495.82	672.30
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,907.06	733.42
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*422.01*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*633.02*	

26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,064.15	896.40
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*463.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*695.35*	
		For K4 Factor Rating, Add	*6,489.95*	
		For K13 Factor Rating, Add	*9,271.35*	
		For K20 Factor Rating, Add	*12,052.76*	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,415.69	977.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*573.00*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*859.49*	
		For K4 Factor Rating, Add	*8,021.93*	
		For K13 Factor Rating, Add	*11,459.90*	
		For K20 Factor Rating, Add	*14,897.87*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,005.60	1,059.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*594.34*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*891.51*	
		For K4 Factor Rating, Add	*8,320.78*	
		For K13 Factor Rating, Add	*11,886.83*	
		For K20 Factor Rating, Add	*15,452.88*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,528.42	1,140.88
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*812.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,218.50*	
		For K4 Factor Rating, Add	*11,372.66*	
		For K13 Factor Rating, Add	*16,246.66*	
		For K20 Factor Rating, Add	*21,120.66*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,217.80	1,222.37
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*788.65*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,182.98*	
		For K4 Factor Rating, Add	*11,041.14*	
		For K13 Factor Rating, Add	*15,773.06*	
		For K20 Factor Rating, Add	*20,504.98*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	22,707.04	1,466.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*988.67*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,483.00*	
		For K4 Factor Rating, Add	*13,841.35*	
		For K13 Factor Rating, Add	*19,773.36*	
		For K20 Factor Rating, Add	*25,705.37*	
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	29,630.47	1,629.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,318.54*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,977.81*	
		For K4 Factor Rating, Add	*18,459.57*	
		For K13 Factor Rating, Add	*26,370.82*	
		For K20 Factor Rating, Add	*34,282.07*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	40,510.77	2,037.28
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,821.81*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,732.72*	
		For K4 Factor Rating, Add	*25,505.35*	
		For K13 Factor Rating, Add	*36,436.21*	
		For K20 Factor Rating, Add	*47,367.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	49,356.19	2,526.23
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,215.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,322.78*	
		For K4 Factor Rating, Add	*31,012.61*	
		For K13 Factor Rating, Add	*44,303.73*	
		For K20 Factor Rating, Add	*57,594.85*	
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	71,068.97	3,096.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,243.78*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,865.67*	
		For K4 Factor Rating, Add	*45,412.94*	
		For K13 Factor Rating, Add	*64,875.63*	
		For K20 Factor Rating, Add	*84,338.32*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	165,743.72	3,738.98
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*7,912.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*11,868.49*	
		For K4 Factor Rating, Add	*110,772.56*	
		For K13 Factor Rating, Add	*158,246.52*	
		For K20 Factor Rating, Add	*205,720.48*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	218,833.82	4,074.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*10,534.23*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*15,801.35*	
		For K4 Factor Rating, Add	*147,479.28*	
		For K13 Factor Rating, Add	*210,684.69*	
		For K20 Factor Rating, Add	*273,890.10*	

26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,057.34	631.55
		For K4 Factor Rating, Add	*3,355.95*	
		For K13 Factor Rating, Add	*4,794.22*	
		For K20 Factor Rating, Add	*6,232.49*	
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,495.82	672.30
		For K4 Factor Rating, Add	*4,305.85*	
		For K13 Factor Rating, Add	*6,151.21*	
		For K20 Factor Rating, Add	*7,996.57*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,907.06	733.42
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*422.01*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*633.02*	
		For K4 Factor Rating, Add	*5,908.15*	
		For K13 Factor Rating, Add	*8,440.21*	
		For K20 Factor Rating, Add	*10,972.27*	

26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,441.20	896.40
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*882.42*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,323.63*	
		For K4 Factor Rating, Add	*12,353.88*	
		For K13 Factor Rating, Add	*17,648.40*	
		For K20 Factor Rating, Add	*22,942.92*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,757.92	1,059.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*981.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,472.94*	
		For K4 Factor Rating, Add	*13,747.41*	
		For K13 Factor Rating, Add	*19,639.15*	
		For K20 Factor Rating, Add	*25,530.90*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	32,313.55	1,222.37
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,493.44*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,240.16*	
		For K4 Factor Rating, Add	*20,908.17*	
		For K13 Factor Rating, Add	*29,868.81*	
		For K20 Factor Rating, Add	*38,829.45*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	40,608.94	1,466.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,883.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,825.64*	
		For K4 Factor Rating, Add	*26,372.68*	
		For K13 Factor Rating, Add	*37,675.26*	
		For K20 Factor Rating, Add	*48,977.84*	
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	48,994.86	1,629.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,286.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,430.14*	
		For K4 Factor Rating, Add	*32,014.65*	
		For K13 Factor Rating, Add	*45,735.21*	
		For K20 Factor Rating, Add	*59,455.77*	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	62,835.44	2,037.28
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,938.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,407.07*	
		For K4 Factor Rating, Add	*41,132.62*	
		For K13 Factor Rating, Add	*58,760.88*	
		For K20 Factor Rating, Add	*76,389.14*	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	76,369.27	2,526.23
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,565.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,348.76*	
		For K4 Factor Rating, Add	*49,921.77*	
		For K13 Factor Rating, Add	*71,316.81*	
		For K20 Factor Rating, Add	*92,711.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	123,327.38	3,096.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*5,856.70*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*8,785.05*	
		For K4 Factor Rating, Add	*81,993.83*	
		For K13 Factor Rating, Add	*117,134.04*	
		For K20 Factor Rating, Add	*152,274.25*	
26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	9,228.56	733.42
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	14,087.77	896.40
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	20,840.83	1,059.39
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	26,714.08	1,222.37
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	40,370.34	1,466.85
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	49,203.63	1,629.83
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	57,131.58	2,037.28
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	91,199.29	2,526.23
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	10,786.87	733.42
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	16,548.26	896.40
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	24,583.75	1,059.39
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	31,560.49	1,222.37
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	47,856.19	1,466.85
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	58,396.90	1,629.83
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	67,741.49	2,037.28
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	108,430.15	2,526.23
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,882.72	731.54
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,737.42	894.10
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,696.99	1,056.67
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,516.32	1,219.24
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,944.04	1,463.08
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,241.04	1,625.65
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,147.61	2,032.05
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,504.60	2,519.75
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,610.72	731.54
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,619.25	894.10
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,772.33	1,056.67
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,039.92	1,219.24
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,516.64	1,463.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,937.97	1,625.65
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,772.90	2,032.05
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	27,744.13	2,519.75
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,335.78	731.54
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,503.53	894.10
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,847.68	1,056.67
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,561.08	1,219.24
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,500.75	1,463.08
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,634.89	1,625.65
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	23,398.20	2,032.05
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	32,983.66	2,519.75
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,093.27	731.54
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,209.59	894.10
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,487.59	1,056.67
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,054.02	1,219.24
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,530.14	1,463.08
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,829.00	1,625.65
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,313.06	2,032.05
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	31,418.41	2,519.75
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,818.33	731.54
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,093.87	894.10
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,562.94	1,056.67
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,577.64	1,219.24
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,390.59	1,463.08
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,791.73	1,625.65
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,790.20	2,032.05
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	41,091.58	2,519.75
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,545.84	731.54
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,978.14	894.10
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,638.27	1,056.67
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,098.78	1,219.24
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,491.70	1,463.08
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,291.51	1,625.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	33,264.88	2,032.05
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	48,817.38	2,519.75
26 22 13 00-0203		3 Phase Weathershields *(26 22 13 00-0056)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,050.40	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,481.96	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,481.96	
26 22 13 00-0207		Three Phase Mounting Brackets *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,679.16	292.31
26 22 13 00-0209		Foam Core Poly Transformer Pads *(26 22 13)*		
26 22 13 00-0210	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	538.48	51.36

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0002		Incoming Service Section Main Device Only *(26 24 13 00-0001)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,004.93	1,399.32
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,511.10	1,480.11
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,593.40	1,678.96
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,253.18	1,799.90
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,429.19	1,919.08
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	16,045.19	2,040.51
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,932.19	1,399.32
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,465.31	1,480.11
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,239.16	1,680.39
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,791.70	1,799.90
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,429.19	1,921.00
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,045.19	2,040.51
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	19,143.11	2,133.29
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	21,652.30	2,285.43
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	25,452.81	2,463.64
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,524.23	1,239.81
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,868.81	1,319.97
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,434.86	1,519.46
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,761.59	1,583.29
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,048.11	1,640.40
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,513.26	1,758.79
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,956.72	1,879.40
26 24 13 00-0025		Branch Breaker Units *(26 24 13 00-0001)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	398.53	48.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.28*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	586.18	76.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.07*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,545.77	139.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.99*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,715.83	182.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.43*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,890.68	447.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.72*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,713.85	447.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.72*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	12,537.53	798.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.97*	
26 24 13 00-0033		Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0034		Incoming Service Section Main Device Only *(26 24 13 00-0033)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,057.85	1,815.73
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,843.08	1,815.73
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,296.16	2,359.66
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	12,742.44	2,359.66
26 24 13 00-0039		Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0040		Incoming Service Section Main Device Only *(26 24 13 00-0039)*		
		Note: Copper bus, non-metering type, with fuses.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,495.77	1,239.81
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,979.67	1,319.97
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,412.07	1,519.46
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	8,048.08	1,639.12
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	5,376.01	1,239.81
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,683.73	1,319.97
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	9,240.27	1,519.46
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	13,034.24	1,639.12
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	15,265.41	1,839.73
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,239.12	1,079.68
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,608.24	1,159.99
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,234.81	1,359.49
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,541.22	1,423.32
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,835.56	1,480.11
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,237.43	1,583.29
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,628.24	1,678.96
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,984.09	2,079.69
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,797.28	2,279.67
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	9,078.13	2,459.64

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	221.33	42.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.43*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	352.94	70.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	1,024.35	98.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.03*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,876.56	126.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.83*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,578.84	307.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.76*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,452.18	307.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.76*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,674.29	587.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.79*	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0069 Incoming Service Section Main Device Only *(26 24 13 00-0068)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,006.88	1,399.32
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,508.91	1,480.11
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,590.59	1,678.96
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,249.93	1,799.90
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,421.81	1,919.08
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	16,045.19	2,040.51
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,934.14	1,399.32
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,463.12	1,480.11
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,239.16	1,680.39
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,788.45	1,799.90
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,425.50	1,921.00
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,045.19	2,040.51
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,670.07	1,239.81
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,074.98	1,319.97
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,743.13	1,519.46
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,081.32	1,583.29
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,406.27	1,640.40
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,859.19	1,758.79
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,318.70	1,879.40
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,460.26	2,135.69
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,220.66	2,285.27
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	9,602.72	2,455.64

26 24 13 00-0092 Branch Breaker Units *(26 24 13 00-0068)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	398.53	48.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.28*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	586.18	76.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.07*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,545.77	139.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.99*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,715.83	182.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.43*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,890.68	447.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.72*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,713.85	447.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.72*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	12,537.53	798.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0100		Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*		
26 24 13 00-0101		Incoming Service Section Main Device Only *(26 24 13 00-0100)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,535.36	1,919.08
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,144.96	2,040.51
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,894.90	2,277.59
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	10,794.53	2,438.69
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,109.64	1,919.08
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,673.46	2,040.51
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,080.02	2,280.15
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,065.96	2,438.69
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,784.40	2,600.42
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	17,488.21	2,762.00
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,670.07	1,239.81
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,074.98	1,319.97
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,743.13	1,519.46
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,081.32	1,583.29
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,406.27	1,640.40
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,859.19	1,758.79
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,318.70	1,879.40
26 24 13 00-0119		Branch Breaker Units *(26 24 13 00-0100)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	802.91	48.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.28*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	934.14	76.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.07*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,694.36	139.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.99*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,715.83	182.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.43*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	6,511.98	447.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.72*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	6,656.80	447.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.72*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	10,714.98	798.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.97*	
26 24 13 00-0127		Fusible Branch Circuit Switch *(26 24 13)*		
		Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128		240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*		
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	859.01	125.59
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	856.19	125.59
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	856.19	125.59
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,330.48	165.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,330.48	165.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0134		240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*		
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	973.98	123.18
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,396.37	123.18
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,595.57	331.95
26 24 13 00-0138		240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*		
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,092.59	141.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,089.78	141.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,089.78	141.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,631.70	189.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,631.70	189.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0144		240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,175.41	139.18
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,863.98	139.18
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,784.89	371.62
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,810.02	476.09
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,573.72	645.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,518.98	141.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,516.13	141.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,518.98	141.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,275.05	189.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,322.66	189.58
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,879.98	247.96
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,634.64	139.18
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,446.99	139.18
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,967.49	371.62
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,257.64	476.09
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,573.72	645.03
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,533.42	1,471.79
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,169.38	1,471.79
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,644.19	1,871.73
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,161.01	1,871.73
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,003.74	1,703.75
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,619.28	1,703.75
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,161.01	2,111.69
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,625.28	2,111.69
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,731.70	2,079.69
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,364.69	2,079.69
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,942.70	2,559.63
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,622.87	2,559.63
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,709.21	2,279.67
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,482.03	2,279.67
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,174.24	2,815.59
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,766.74	2,815.59
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,005.79	2,287.67
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,848.28	2,575.62
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,969.14	2,575.62
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,283.06	2,719.60
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,997.30	2,575.62
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	8,116.35	2,575.62
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	8,430.27	2,719.60
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	8,202.40	2,719.60
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	8,430.27	2,719.60
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	8,543.63	2,719.60
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	699.18	191.97
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	789.46	191.97
26 24 13 00-0201	EA	Cable Supports In Pull Box	269.25	47.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	692.06	223.96
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	1,166.37	287.95
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	1,166.37	287.95
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	884.84	223.96
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,246.17	327.95
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,430.44	327.95
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,509.87	423.93
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,606.67	423.93
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,428.15	1,333.09
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,940.19	1,449.07
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,465.71	1,851.57
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	8,162.62	2,019.86
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	8,703.44	2,150.24
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	6,261.50	1,169.43
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	3,774.95	1,110.88
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	4,170.47	1,204.63
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	8,713.58	1,333.09
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	9,380.86	1,336.61
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	10,310.54	1,492.26
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	220.48	79.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.85*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	267.61	81.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.71*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	1,126.92	96.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.34*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,841.98	207.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.14*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	757.57	288.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.99*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	2,015.54	166.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.34*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,815.45	694.29
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,981.91	938.90
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,509.28	1,142.71
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,761.44	1,599.77
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,147.58	1,999.70
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,781.69	1,999.70
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,699.60	2,666.33
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	10,915.49	2,666.33
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	12,853.97	3,174.09
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	15,091.33	3,174.09
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	9,524.99	1,679.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,005.72*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	17,258.74	2,799.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,678.08*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	38,107.62	4,703.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,796.80*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	61,502.01	7,614.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,650.48*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,044.81	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.23	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	515.89	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	371.58	
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	11,068.82	1,759.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,060.85*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	20,403.50	2,959.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,767.05*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	42,655.02	4,879.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,940.75*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	66,168.61	7,998.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,917.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)* Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,676.16	1,535.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*922.94*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	13,928.18	2,575.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,538.24*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	20,863.88	4,319.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,563.73*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	35,887.37	6,958.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,269.84*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	58,518.13	11,358.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7,099.56*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)* Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,894.01	1,471.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*880.28*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	16,462.41	2,463.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,466.78*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	23,721.61	4,095.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,448.62*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	39,181.28	6,671.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,081.04*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	61,608.40	11,438.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6,817.19*	
26 24 13 00-0268		**Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)*		
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,556.12	1,343.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*774.08*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,976.58	1,343.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*841.98*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,511.60	1,599.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*922.94*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	6,476.87	1,599.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*999.86*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	9,312.75	1,919.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,095.73*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	14,619.08	1,919.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,211.95*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	389.62	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.19	
26 24 13 00-0277		**Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)*		
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	670.05	115.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	798.18	153.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.29*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,210.25	231.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.03*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,914.38	290.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.39*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,544.91	389.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.89*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,294.57	499.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*299.96*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,888.17	761.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*457.08*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,888.17	761.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*457.08*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,660.18	1,066.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*639.91*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	12,177.39	1,599.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*959.86*	
26 24 13 00-0288		**Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)*		
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,744.82	694.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.61*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,876.82	760.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*456.21*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,641.51	1,142.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*685.61*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,618.15	1,599.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*959.86*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,957.92	1,769.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,061.79*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	20,131.37	3,174.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,904.48*	
26 24 13 00-0295		**Branch Or Distribution Devices** *(26 24 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0296		3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	693.06	57.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	705.27	71.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,663.54	86.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,406.98	111.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,386.15	138.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.15*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,427.66	161.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.98*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,734.08	182.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.90*	
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	478.89	43.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	616.12	57.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,652.19	71.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,604.25	79.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,760.01	103.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.59*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,222.20	151.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.79*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	470.79	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	680.03	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	800.89	
26 24 13 00-0316		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0317	EA	AC Voltmeter	642.15	
26 24 13 00-0318	EA	AC Ammeter	642.15	
26 24 13 00-0319	EA	AC Wattmeter	1,715.41	
26 24 13 00-0320	EA	Variometer	1,937.28	
26 24 13 00-0321	EA	Power Factor Meter	1,547.66	
26 24 13 00-0322	EA	Frequency Meter	1,708.19	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	577.21	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,173.57	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,636.45	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,678.83	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	91.01	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,386.48	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,516.93	455.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,735.58	455.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,980.24	631.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,225.05	631.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,457.75	791.89
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,696.39	791.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,926.32	911.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0011	EA	125 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,238.13	1,103.84
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0012	EA	200 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,524.46	1,550.17
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,530.17	1,167.83
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,726.25	1,167.83
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,914.16	1,335.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,214.54	1,335.81
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,397.23	1,503.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,673.76	1,503.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,849.10	1,663.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,118.85	1,663.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,373.74	1,839.73
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0022	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,543.94	1,839.73
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0023	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,807.80	1,839.73
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0024 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0025	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,756.83	439.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0026	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,978.95	439.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,505.17	751.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,836.18	751.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,073.36	919.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0030	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,321.43	919.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0031	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,540.31	1,103.84
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,271.68	1,103.84
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,469.10	1,351.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,684.66	1,351.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,922.00	1,519.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,111.98	1,519.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,315.40	1,663.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,534.34	1,663.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,771.30	1,967.71
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,029.37	1,967.71
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0041	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,312.41	1,967.71
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0042	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,484.21	2,079.69
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0043 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,820.58	519.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,053.56	519.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,315.95	695.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,588.79	695.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,835.18	855.88
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,099.29	855.88
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,346.60	1,015.85
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,608.12	1,015.85
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,844.77	1,191.82
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,117.19	1,191.82
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0054	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,400.30	1,375.80
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0055	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,672.65	1,375.80
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0056	EA	200 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,390.35	1,754.15
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,234.09	1,663.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,431.21	1,663.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,745.76	1,847.73
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0060	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,040.00	1,847.73
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0061	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,240.39	2,015.70
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0062	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,543.44	2,015.70
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,253.29	1,788.54
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,470.42	1,879.72
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,800.73	1,979.71
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0066	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,119.58	2,095.69
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0067	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,334.45	2,159.69
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0068	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,693.99	2,291.67
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0069 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,115.00	503.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0071	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,351.23	503.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0072	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,627.23	663.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0073	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,992.10	663.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,594.31	999.85
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,833.62	999.85
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,095.74	1,167.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,318.06	1,167.83
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,610.33	1,351.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0079	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,817.89	1,351.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0080	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,135.58	1,519.78
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0081	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,403.14	1,519.78
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,319.60	1,759.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,608.45	1,855.73
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,736.62	1,855.73
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0085	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,063.64	2,095.69
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0086	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,283.81	2,095.69
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0087	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	7,440.59	2,095.69
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	7,371.67	1,927.72
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,689.95	2,039.70
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,823.04	2,095.69
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0091	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,177.54	2,223.68
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0092	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	8,397.01	2,287.67
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0093	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,613.30	2,367.66
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0094 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,021.21	511.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,323.99	511.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,613.04	703.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,915.78	703.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,196.12	879.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,493.10	879.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,804.33	1,063.84
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,087.08	1,063.84
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	4,400.89	1,263.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0104	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,702.83	1,263.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0105	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,978.04	1,439.79
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0106	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,275.02	1,439.79
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,922.70	1,751.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,219.30	1,751.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,537.02	1,919.72
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0110	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	6,760.87	1,919.72
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0111	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,117.76	2,119.69
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0112	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,363.98	2,119.69
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0113 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0114	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,552.29	543.92
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0115	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,847.47	591.92
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0116	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,146.25	735.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,791.83	895.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,080.57	991.85
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,341.19	1,071.84
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,631.38	1,167.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,909.55	1,263.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,161.57	1,343.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0123	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,434.07	1,423.80
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0124	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,731.31	1,519.78
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0125	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,058.88	1,639.76
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	7,510.00	1,823.73
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,822.90	1,935.72
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,036.97	1,983.71
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0129	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,392.45	2,111.69
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0130	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	8,630.85	2,191.68
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0131	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,879.14	2,260.47
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0132 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,432.60	559.92
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,764.42	559.92
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0135	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,086.54	743.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0136	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,411.63	743.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0137	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,742.73	919.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,066.06	919.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,395.45	1,103.84
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,723.25	1,103.84
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,085.46	1,295.82
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0142	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,381.77	1,295.82
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0143	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,697.32	1,303.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0144	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,036.10	1,303.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0145	EA	200 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	7,040.67	1,904.52
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,889.18	1,807.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,235.05	1,807.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0148	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,491.84	1,903.72
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0149	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,873.65	2,031.70
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0150	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	8,150.85	2,031.70
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0151	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,579.55	2,223.68
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0152 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0153	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	3,143.39	687.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0154	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,484.11	687.90
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0155	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,810.33	911.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,545.06	911.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,864.34	1,151.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	5,183.05	1,151.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	5,489.73	1,319.81
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,770.27	1,319.81
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0161	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	6,071.28	1,503.78
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0162	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	6,397.03	1,503.78
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0163	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	6,671.85	1,663.76
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0164	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,962.17	1,663.76
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	8,948.20	1,967.71
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	9,307.37	1,967.71
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0167	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	9,561.93	2,151.69
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0168	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	9,968.00	2,151.69
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0169	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	10,249.55	2,351.66
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0170	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	10,542.05	2,351.66
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0171	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	12,416.49	2,618.82
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0172	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	15,093.83	3,143.54
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0173 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0174 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0173)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0175 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*

26 24 16 00-0176	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	747.29	
26 24 16 00-0177	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	863.77	
26 24 16 00-0178	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,193.43	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0179	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,380.98	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0180	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,566.03	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0181	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,759.16	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0182	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,912.99	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0183	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,098.56	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0184	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,345.20	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0185	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,500.49	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0186	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,740.68	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0187 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*

26 24 16 00-0188	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,116.64	
26 24 16 00-0189	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,271.72	
26 24 16 00-0190	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,050.84	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0191	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,284.96	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0192	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,508.35	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0193	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,248.74	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0194	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,528.05	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0195	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,775.85	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0196 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*

26 24 16 00-0197	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,466.54	
26 24 16 00-0198	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,574.80	
26 24 16 00-0199	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,887.33	
26 24 16 00-0200	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,071.47	
26 24 16 00-0201	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,243.50	
26 24 16 00-0202	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,569.52	
26 24 16 00-0203	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,714.44	
26 24 16 00-0204	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,891.79	
26 24 16 00-0205	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,201.46	
26 24 16 00-0206	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,351.27	
26 24 16 00-0207	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,578.59	

26 24 16 00-0208 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*

26 24 16 00-0209	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,827.67	
26 24 16 00-0210	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,973.85	
26 24 16 00-0211	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,877.64	
26 24 16 00-0212	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,095.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0213	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,306.38	
26 24 16 00-0214	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,029.64	
26 24 16 00-0215	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,300.73	
26 24 16 00-0216	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,546.48	

26 24 16 00-0217 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0173)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0218 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0217)*

26 24 16 00-0219	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	845.45	
26 24 16 00-0220	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	997.32	
26 24 16 00-0221	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,128.55	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0222	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,290.08	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0223	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,487.10	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0224	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,649.91	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0225	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,904.37	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0226	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,055.79	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0227	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,224.90	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0228	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,505.46	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0229	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,757.94	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0230	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,241.72	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0231 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0217)*

26 24 16 00-0232	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,305.97	
26 24 16 00-0233	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,475.19	
26 24 16 00-0234	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,718.91	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0235	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,519.00	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0236	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,731.50	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0237	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,939.43	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0238	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,031.21	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0239	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,294.35	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0240	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,511.14	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0241 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0217)*

26 24 16 00-0242	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,564.70	
26 24 16 00-0243	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,708.35	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0244	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,830.68	
26 24 16 00-0245	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,983.99	
26 24 16 00-0246	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,177.58	
26 24 16 00-0247	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,327.38	
26 24 16 00-0248	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,714.73	
26 24 16 00-0249	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,857.24	
26 24 16 00-0250	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,018.14	
26 24 16 00-0251	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,361.72	
26 24 16 00-0252	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,598.44	
26 24 16 00-0253	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,082.21	

26 24 16 00-0254 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0217)*

26 24 16 00-0255	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,017.00	
26 24 16 00-0256	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,177.32	
26 24 16 00-0257	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,416.25	
26 24 16 00-0258	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,345.79	
26 24 16 00-0259	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,541.86	
26 24 16 00-0260	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,737.46	
26 24 16 00-0261	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,530.26	
26 24 16 00-0262	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,800.53	
26 24 16 00-0263	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	6,029.37	

26 24 16 00-0264 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0173)*

Note: As manufactured by Square D or equal.

26 24 16 00-0265 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0266	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,189.37	
26 24 16 00-0267	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,312.48	
26 24 16 00-0268	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,824.33	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0269	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,039.96	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0270	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,227.09	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0271	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,244.79	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0272	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,372.95	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0273	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,582.19	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0274	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,796.07	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0275	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,997.94	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0276	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,279.12	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0277 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0278	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,398.24	
26 24 16 00-0279	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,473.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0280	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,688.20	
26 24 16 00-0281	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,840.69	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0282	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,160.25	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0283	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,102.98	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0284	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,294.33	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0285	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,544.63	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0286	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,728.10	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0287	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,006.16	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0288	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,253.49	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0289 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0290	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,883.97	
26 24 16 00-0291	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,007.08	
26 24 16 00-0292	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,502.49	
26 24 16 00-0293	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,837.31	
26 24 16 00-0294	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,010.73	
26 24 16 00-0295	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,028.43	
26 24 16 00-0296	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,136.04	
26 24 16 00-0297	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,315.83	
26 24 16 00-0298	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,598.20	
26 24 16 00-0299	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,783.39	
26 24 16 00-0300	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,028.78	

26 24 16 00-0301 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0302	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,240.79	
26 24 16 00-0303	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,316.15	
26 24 16 00-0304	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,372.52	
26 24 16 00-0305	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,518.84	
26 24 16 00-0306	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,957.59	
26 24 16 00-0307	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,886.62	
26 24 16 00-0308	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,057.42	
26 24 16 00-0309	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,278.26	
26 24 16 00-0310	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,461.73	
26 24 16 00-0311	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,721.07	
26 24 16 00-0312	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,965.67	

26 24 16 00-0313 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0173)*

Note: As manufactured by Square D or equal.

26 24 16 00-0314 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0315	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,235.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0316	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,359.75	
26 24 16 00-0317	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,577.23	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0318	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,892.88	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0319	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,110.06	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0320	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,295.87	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0321	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,335.24	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0322	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,485.29	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0323	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,692.88	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0324	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,906.88	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0325	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,110.04	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0326	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,392.42	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0327 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0328	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,637.99	
26 24 16 00-0329	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,714.03	
26 24 16 00-0330	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,943.81	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0331	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,017.79	
26 24 16 00-0332	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,170.82	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0333	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,489.64	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0334	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,489.43	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0335	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,683.07	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0336	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,930.73	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0337	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,191.17	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0338	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,471.73	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0339	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,719.07	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0340 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0341	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,930.55	
26 24 16 00-0342	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,054.34	
26 24 16 00-0343	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,261.55	
26 24 16 00-0344	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,571.04	
26 24 16 00-0345	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,907.40	
26 24 16 00-0346	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,079.51	
26 24 16 00-0347	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,120.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0348	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,248.38	
26 24 16 00-0349	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,426.51	
26 24 16 00-0350	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,709.01	
26 24 16 00-0351	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,895.05	
26 24 16 00-0352	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	4,140.44	

26 24 16 00-0353 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0354	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,316.14	
26 24 16 00-0355	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,392.19	
26 24 16 00-0356	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,741.15	
26 24 16 00-0357	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,702.11	
26 24 16 00-0358	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,848.97	
26 24 16 00-0359	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,286.99	
26 24 16 00-0360	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,273.07	
26 24 16 00-0361	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,446.17	
26 24 16 00-0362	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,664.37	
26 24 16 00-0363	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,924.81	
26 24 16 00-0364	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,186.19	
26 24 16 00-0365	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,430.10	

26 24 16 00-0366 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0367 Residential Type Unassembled Load Center *(26 24 16 00-0366)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0368 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0367)*

26 24 16 00-0369	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	203.29	79.99
26 24 16 00-0370	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	704.28	319.95
26 24 16 00-0371	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,052.79	456.74
26 24 16 00-0372	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,243.25	960.02
26 24 16 00-0373	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,448.92	1,039.85

26 24 16 00-0374 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0367)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.

26 24 16 00-0375	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	272.96	87.99
26 24 16 00-0376	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	461.88	95.98

26 24 16 00-0377 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0367)*

26 24 16 00-0378	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	276.93	87.99
26 24 16 00-0379	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	307.94	95.98
26 24 16 00-0380	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,132.17	456.74
26 24 16 00-0381	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,569.72	1,039.85

26 24 16 00-0382 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0367)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.

26 24 16 00-0383	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	333.36	87.99
26 24 16 00-0384	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,464.32	960.02

26 24 16 00-0385 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0367)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0386	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,619.46	960.02
26 24 16 00-0387	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,842.38	1,039.85
26 24 16 00-0388	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	9,092.24	1,599.77
26 24 16 00-0389		Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0367)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0390	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,621.77	960.02
26 24 16 00-0391	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,947.37	1,039.85
26 24 16 00-0392	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,935.61	1,599.77
26 24 16 00-0393		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0367)*		
26 24 16 00-0394	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,731.63	960.02
26 24 16 00-0395	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	3,033.94	1,039.85
26 24 16 00-0396		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0367)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0397	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,807.80	960.02
26 24 16 00-0398	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,967.56	1,039.85
26 24 16 00-0399		Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*		
26 24 16 00-0400		Midget Finger-Safe Fuse Holders *(26 24 16 00-0399)*		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0401	EA	1 Pole Midget Finger-Safe Fuse Holder	94.27	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 24 16 00-0402	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	108.61	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 24 16 00-0403	EA	2 Pole Midget Finger-Safe Fuse Holder	150.51	43.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 24 16 00-0404	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	187.95	43.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 24 16 00-0405	EA	3 Pole Midget Finger-Safe Fuse Holder	218.38	57.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 24 16 00-0406	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	268.10	57.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 24 16 00-0407	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	309.69	57.59
		Note: With indicators.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 24 16 00-0408	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	254.55	57.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 24 16 00-0409	EA	4 Pole Midget Finger-Safe Fuse Holder	274.77	71.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 24 16 00-0410	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	329.37	71.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 24 16 00-0411	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder	108.66	28.79
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 24 16 00-0412	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder	116.27	28.79
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 24 16 00-0413	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder	110.06	28.79
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 24 16 00-0414		Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*		
		Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0415	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	2,006.66	
		Note: Includes removal and reinstallation of main wiring to panelboard.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*599.91*	
26 24 16 00-0416	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	105.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.20*	
26 24 16 00-0417	EA	Panelboard Filler Plate, Fits 1" Opening	7.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.50*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001		Combination Starters With Molded Case Circuit Breakers *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002		230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*		
		Note: 1-Speed non-reversing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,600.35	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,071.28	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,541.68	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,190.17	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,425.76	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,602.70	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,600.35	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,071.28	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,541.68	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,190.17	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,425.76	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,602.70	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,739.88	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,966.48	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,093.56	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,371.68	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,284.21	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	41,813.08	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,739.88	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,966.48	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,093.56	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,371.68	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,284.21	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	41,813.08	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,574.35	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,259.78	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,171.63	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.84*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,316.12	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,966.38	350.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.47*	

26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,574.35	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,259.78	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,171.63	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.84*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,316.12	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,966.38	350.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,229.49	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,754.96	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,594.25	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	19,853.50	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,349.29	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,229.49	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,754.96	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,594.25	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	19,853.50	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,349.29	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,706.67	153.46
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,770.12	168.08
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	19,797.97	190.00
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	30,592.69	219.23
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	52,300.66	292.31
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,706.67	153.46
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,770.12	168.08
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	19,797.97	190.00
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	30,592.69	219.23
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	52,300.66	292.31
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,320.36	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,858.90	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,982.50	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,358.78	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	27,953.50	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,320.36	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,858.90	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,982.50	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,358.78	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	27,953.50	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,640.06	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	22,971.07	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,371.51	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,365.63	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	52,304.38	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	70,968.51	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	

26 24 19 00-0085 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,640.06	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	22,971.07	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,371.51	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,365.63	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	52,304.38	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	70,968.51	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,457.42	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,928.34	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,040.94	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,084.88	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,791.25	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,230.85	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,457.42	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,928.34	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,040.94	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,084.88	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,791.25	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,230.85	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,589.71	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,806.64	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,559.02	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,227.76	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,582.10	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	

26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,589.71	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,806.64	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,559.02	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,227.76	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,582.10	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,409.69	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	7,083.04	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,612.95	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.84*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,138.40	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	30,237.72	350.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.47*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,409.69	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,083.04	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,612.95	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.84*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,138.40	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	30,237.72	350.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.47*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,211.00	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,724.48	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,203.71	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	22,831.97	285.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.00*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	37,789.30	336.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.70*	
26 24 19 00-0137		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,211.00	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,724.48	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,203.71	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,831.97	285.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.00*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,789.30	336.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.70*	
26 24 19 00-0143		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,517.87	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,682.22	168.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.85*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,083.79	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,940.79	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	57,459.95	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0149		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,517.87	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,682.22	168.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.85*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,083.79	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,940.79	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	57,459.95	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0155		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,155.70	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,677.34	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,414.17	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,685.64	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,911.42	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	
26 24 19 00-0161		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,155.70	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,677.34	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,414.17	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,685.64	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,911.42	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,332.95	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,656.73	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	26,033.02	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	38,913.67	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	52,729.29	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	73,882.53	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,333.01	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.02*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,656.73	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	26,033.02	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	38,913.67	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	52,729.29	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	73,882.53	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,320.30	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,179.92	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,319.08	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,341.77	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,126.89	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,938.77	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,320.30	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,179.92	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,319.08	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,341.77	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,126.89	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,938.77	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,708.50	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,497.62	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,759.41	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,245.15	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,884.42	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,165.61	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,708.50	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,497.62	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,759.41	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,245.15	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,884.42	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,165.61	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	

26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,371.55	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,979.72	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,352.70	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.84*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,629.97	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,437.66	350.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,371.55	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,979.72	248.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.08*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,352.70	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.84*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,629.97	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,437.66	350.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.47*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,934.95	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,494.22	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,763.25	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,635.23	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,934.95	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,494.22	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,763.25	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,635.23	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,443.52	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,095.56	168.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.85*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,777.67	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,062.04	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,790.31	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,443.52	153.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.08*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,095.56	168.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.85*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,777.67	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,062.04	219.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.54*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,790.31	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,351.74	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	7,066.53	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,190.62	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,200.87	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,351.74	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	7,066.53	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,190.62	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,200.87	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	

26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,637.64	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,971.07	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,371.51	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,365.63	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,304.38	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,968.51	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	

26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,637.64	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.00*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,971.07	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.30*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,371.51	270.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.23*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,365.63	299.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.77*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,304.38	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,968.51	467.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.63*	

26 24 19 00-0268 Starter Accessories *(26 24 19)*

Note: Additional options or accessories for the Combination Starters

26 24 19 00-0269 Starter Modifications *(26 24 19 00-0268)*

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	376.63
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	538.38
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	135.20
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	190.73
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	321.10
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	79.67
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	67.60
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	131.54
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	162.63
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	318.09
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	162.63
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	186.55
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	224.82
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	265.48
26 24 19 00-0285	EA	Blank Devices Panel	50.23
26 24 19 00-0286	EA	Oversize Or Special Color Starter	78.93
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	701.56
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	636.99
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	932.76
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	78.93
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	112.41
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	78.93
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	112.41
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	112.41
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	162.63
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	404.19
26 24 19 00-0297	EA	Heater Module	82.16
26 24 19 00-0298	EA	LAM - Long Acceleration Module	510.40
26 24 19 00-0299	EA	JAM - Jam Protection Module	585.09
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,110.43
26 24 19 00-0301	EA	ULM - Underload Module	532.81
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	117.02
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	219.10
26 24 19 00-0304	EA	Type SIS Control Wire	92.12
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	117.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0306	EA	Ring Terminals Power	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire	92.12	
26 24 19 00-0308	EA	Wiring Diagram On Door	69.71	
26 24 19 00-0309	EA	Special Color Or Type Control Wire	84.65	
26 24 19 00-0310	EA	Current Transformer 12.5 VA	664.76	
26 24 19 00-0311	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,123.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,390.16	

26 24 19 00-0313 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0314	EA	600 Volt, 2 Pole, Control Relays	611.42	
26 24 19 00-0315	EA	600 Volt, 4 Pole, Control Relays	726.46	
26 24 19 00-0316	EA	600 Volt, 6 Pole, Control Relays	856.13	
26 24 19 00-0317	EA	600 Volt, 8 Pole, Control Relays	955.57	
26 24 19 00-0318	EA	Pneumatic Timer, Control Relays	801.61	
26 24 19 00-0319	EA	Motor Driven Timer, Control Relays	2,088.88	
26 24 19 00-0320	EA	7 Days Time Switch, Control Relays	2,629.14	
26 24 19 00-0321	EA	24 Hour Time Switch, Control Relays	737.25	
26 24 19 00-0322	EA	Phase Voltage, Control Relays	1,254.11	
26 24 19 00-0323	EA	Two Circuit Alternator, Control Relays	1,755.36	
26 24 19 00-0324	EA	Manual 120 Volt, Control Relays	171.64	
26 24 19 00-0325	EA	Over-Current Relay, Control Relays	4,750.45	
26 24 19 00-0326	EA	UV-Relay, Control Relays	4,023.44	
26 24 19 00-0327	EA	Over-Current Relay, Control Relays	4,023.44	
26 24 19 00-0328	EA	Teleductor, Control Relays	1,293.11	
26 24 19 00-0329	EA	Current Transducer, Control Relays	3,477.56	
26 24 19 00-0330	EA	Watt Transducer, Control Relays	6,955.12	
26 24 19 00-0331	EA	Control Relays, Blank, Add For Each 1x	236.00	
26 24 19 00-0332	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	353.02	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	397.88	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	442.74	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	397.88	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	442.74	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	466.15	

26 24 19 00-0338 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0339	EA	Shunt Trip, Circuit Breaker	482.15	
26 24 19 00-0340	EA	Auxiliary Switch, Circuit Breaker	166.54	
26 24 19 00-0341	EA	Key Interlock, Circuit Breaker	598.99	
26 24 19 00-0342	EA	GFR Ground Fault, Circuit Breaker	2,761.27	
26 24 19 00-0343	EA	Seltronic Breaker, Circuit Breaker	1,599.55	

26 24 19 00-0344 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0345	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,725.44	95.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,982.95	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,861.49	95.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,116.61	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,274.18	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,290.74	190.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.02*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,305.07	204.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.79*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	6,995.43	263.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.78*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,258.98	401.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.23*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	11,708.75	606.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.22*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	25,496.83	803.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*481.90*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	38,036.15	1,008.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*604.51*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	63,292.48	1,169.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*702.15*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,067.45	95.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,315.39	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,067.45	95.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,315.39	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,495.28	95.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.99*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,791.06	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	5,934.28	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,150.37	146.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	7,991.11	401.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.23*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	7,991.11	401.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.23*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,730.28	438.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.97*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	13,387.63	511.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.79*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	15,411.07	606.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.22*	

26 24 19 00-0371 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0372	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	2,050.08	146.15
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,143.08	146.15
26 24 19 00-0374	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	2,991.45	182.70
26 24 19 00-0375	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	4,836.86	219.23
26 24 19 00-0376	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	9,478.89	277.69
26 24 19 00-0377	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	13,287.11	365.38
26 24 19 00-0378	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	32,173.25	489.62
26 24 19 00-0379	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	36,344.95	679.62

26 24 19 00-0380 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0381	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,631.13
26 24 19 00-0382	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,683.74
26 24 19 00-0383	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,738.75
26 24 19 00-0384	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,994.66
26 24 19 00-0385	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,162.08
26 24 19 00-0386	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50
26 24 19 00-0387	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	2,941.77
26 24 19 00-0388	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,314.87
26 24 19 00-0389	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,706.00
26 24 19 00-0390	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,089.77
26 24 19 00-0391	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,665.89
26 24 19 00-0392	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	8,830.09
26 24 19 00-0393	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,177.16
26 24 19 00-0394	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	11,331.78
26 24 19 00-0395	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43
26 24 19 00-0396	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19

26 24 19 00-0397 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0398	EA	Metering Equipment, Voltmeter, Panel Type	770.12
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Switchboard Type	1,683.74
26 24 19 00-0400	EA	Metering Equipment, Ammeter, Panel	693.59
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Switchboard Type	1,683.74
26 24 19 00-0402	EA	Metering Equipment, Voltmeter/Ammeter, Switch	935.15
26 24 19 00-0403	EA	Metering Equipment, Control Switch, 4 Circuits	992.55
26 24 19 00-0404	EA	Add For Additional Circuits	136.94
26 24 19 00-0405	EA	Metering Equipment, Indicating Wattmeter	3,472.72
26 24 19 00-0406	EA	Metering Equipment, Indicating Power Factor	3,637.75
26 24 19 00-0407	EA	Metering Equipment, Integrating Watt-hour	3,207.24
26 24 19 00-0408	EA	Add For Demand Attachment	896.31
26 24 19 00-0409	EA	800 Amperes, Metering Equipment, Current Transformer	959.06
26 24 19 00-0410	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,655.04
26 24 19 00-0411	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,927.70
26 24 19 00-0412	EA	Metering Equipment, Potential Transformer	1,607.21
26 24 19 00-0413	EA	Metering Equipment, Surge Arrester	1,729.19
26 24 19 00-0414	EA	Metering Equipment, Ground Detector System	1,322.60

26 24 19 00-0415 Current Limiting Reactors *(26 24 19 00-0268)*

26 24 19 00-0416	EA	600 Amperes, Current Limiting Reactors	29,520.52
26 24 19 00-0417	EA	800 Amperes, Current Limiting Reactors	42,990.46
26 24 19 00-0418	EA	1,000 Amperes, Current Limiting Reactors	56,491.50
26 24 19 00-0419	EA	1,200 Amperes, Current Limiting Reactors	85,990.50

26 24 19 00-0420 Incoming Line Cable Space Requirements, Main Lugs Only *(26 24 19 00-0268)*

26 24 19 00-0421	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	523.90
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	523.90
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	724.28
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,325.43
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	724.28
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	924.66
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	924.66
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,323.02
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	924.66
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,323.02
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,125.05
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,647.96
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,125.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,323.02	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,647.96	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,647.96	
26 24 19 00-0437	EA	Bus Duct Transition Pull Box	1,190.71	
26 24 19 00-0438	EA	Throat And Transition To Substation	2,298.64	
26 24 19 00-0439	EA	Service Entrance Label	497.80	
26 24 19 00-0440	EA	Type W To 5 Star - 10" Transition	1,040.54	
26 24 19 00-0441	EA	600 Amperes, Sub Feed Lugs On Main Bus	595.05	

26 24 19 00-0442 Standard Structures And Structure Options/Modifications *(26 24 19 00-0268)*

26 24 19 00-0443	EA	Standard Structure Add For Each Additional 4" Of Structure Width	328.72	
26 24 19 00-0444	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	328.72	
26 24 19 00-0445	EA	Standard Structure Single Corner Section "L", 16" Depth	1,016.89	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 21" Depth	1,146.96	
26 24 19 00-0447	EA	Standard Structure Unused Space/Future Space	98.14	
26 24 19 00-0448	EA	Standard Structure NEMA 12 Dustproof	264.86	
26 24 19 00-0449	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	55.57	
26 24 19 00-0450	EA	Standard Structure 150 Watt Space	238.85	
26 24 19 00-0451	EA	Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0452	EA	Standard Structure Rear Hinged Structure Door, 72" High	238.85	
26 24 19 00-0453	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0454	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0456	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	

26 24 19 00-0457 Installation Hours For Vertical Sections *(26 24 19 00-0268)*

26 24 19 00-0458	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	876.89	438.47
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,315.34	657.70
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,461.55	730.78
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,754.01	876.93
26 24 19 00-0462	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	146.15	73.08
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	876.89	438.47
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,315.34	657.70
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,461.55	730.78
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,754.01	876.93
26 24 19 00-0467	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	146.15	73.08
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	1,023.10	511.55
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,315.34	657.70
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,754.01	876.93
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	2,045.91	1,022.94
26 24 19 00-0472	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	219.23	109.62
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	1,169.24	584.62
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,607.84	803.85
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	2,045.91	1,022.94
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	2,338.08	1,169.09
26 24 19 00-0477	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	292.31	146.15
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	1,169.24	584.62
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,754.01	876.93
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	2,192.09	1,096.01
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	2,484.79	1,242.47
26 24 19 00-0482	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	292.31	146.15

26 24 19 00-0483 Motor Control Centers *(26 24 19)*

26 24 19 00-0484 2.4 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0485	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	18,113.59	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	18,113.59	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	18,113.59	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	18,186.70	328.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.32*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	19,321.14	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0490	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	19,394.19	401.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.15*	
26 24 19 00-0491	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	19,467.25	438.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.07*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	19,613.46	511.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.93*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	19,759.60	584.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.77*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	33,135.52	657.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.60*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	35,576.04	730.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.47*	
26 24 19 00-0496	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	26,814.83	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	27,939.36	314.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.54*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	31,735.18	343.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*206.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	35,317.00	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	38,435.87	423.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.33*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	42,107.31	453.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*271.85*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	45,776.56	482.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.37*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	50,133.48	526.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.71*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	58,327.63	584.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.77*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	63,188.83	621.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*372.72*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	96,407.48	730.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.47*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	102,729.11	803.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.35*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	108,235.82	876.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*526.20*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	117,855.30	950.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*570.10*	
26 24 19 00-0510	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	25,307.44	292.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.39*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	25,380.55	328.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.32*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	25,453.60	365.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.23*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	25,526.65	401.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.15*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	25,604.00	438.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.07*	
26 24 19 00-0515	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	25,677.15	475.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*285.01*	
26 24 19 00-0516	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	25,750.21	511.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.93*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	26,042.45	657.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.60*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	44,206.52	730.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.47*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	44,352.81	803.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.35*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	46,780.42	876.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*526.20*	
26 24 19 00-0521	EA	Add For Reversing Starters, 100 To 700 HP	9,962.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0522	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	10,262.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,750 To 2,500 HP	15,677.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	

26 24 19 00-0524 4.8 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0525	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	19,767.44	438.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.07*	
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	19,840.59	475.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*285.01*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	19,913.65	511.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.93*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	19,986.77	548.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.87*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	21,110.46	584.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.77*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	21,183.62	621.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*372.72*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	21,256.56	657.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.60*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	21,329.77	694.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.57*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	21,402.77	730.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.47*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	36,132.76	950.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*570.10*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	36,278.33	1,022.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*613.77*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	38,708.10	1,096.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*657.63*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	38,854.09	1,169.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*701.42*	
26 24 19 00-0538	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	27,411.57	438.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.07*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	27,784.92	475.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*285.01*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	32,382.27	511.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.93*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	35,982.63	548.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.87*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	39,057.55	584.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	42,743.72	621.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*372.72*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	46,204.52	657.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.60*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	50,769.87	694.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.57*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	58,776.47	730.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.47*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	64,222.99	767.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.40*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	69,742.58	840.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*504.26*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	74,295.01	876.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*526.20*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	78,589.90	913.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*548.08*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	84,592.07	950.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*570.10*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	133,939.40	1,169.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*701.42*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	148,924.09	1,242.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*745.44*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	178,928.19	1,315.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*789.20*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	189,231.15	1,315.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*789.20*	
26 24 19 00-0556	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	27,103.21	511.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.93*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	27,176.33	548.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.87*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	27,249.35	584.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.77*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	27,322.51	621.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*372.72*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	29,655.46	657.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.60*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	29,728.67	694.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.57*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	29,801.67	730.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.47*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	29,874.78	767.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.40*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	29,947.96	803.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.35*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	30,386.03	1,022.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*613.77*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	48,850.25	1,096.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*657.63*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	51,269.11	1,169.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*701.42*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	51,269.11	1,169.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*701.42*	
26 24 19 00-0569	EA	Add For Reversing Starters, 100 To 1,250 HP	11,180.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0570	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,518.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	
26 24 19 00-0571	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,614.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.69*	

26 24 19 00-0572 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0483)*

26 24 19 00-0573	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,587.38	292.31
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,561.90	438.47
26 24 19 00-0575	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,700.09	
26 24 19 00-0576	EA	2.4/4.8 KV Space Heaters	281.30	21.92
26 24 19 00-0577	EA	2.4/4.8 KV Potential Transformer Fused	1,651.36	
26 24 19 00-0578	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	886.04	
26 24 19 00-0579	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,638.80	
26 24 19 00-0580	EA	2.4/4.8 KV Pushbuttons Each	169.00	
26 24 19 00-0581	EA	2.4/4.8 KV Selector Switch Each	560.11	
26 24 19 00-0582	EA	2.4/4.8 KV Indicating Light	169.00	
26 24 19 00-0583	EA	2.4/4.8 KV Push To Test Light	511.82	
26 24 19 00-0584	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,361.65	
26 24 19 00-0585	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,361.65	
26 24 19 00-0586	EA	2.4/4.8 KV Power Factor Meter	4,072.87	
26 24 19 00-0587	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,807.79	
26 24 19 00-0588	EA	2.4/4.8 KV Operation Counter	555.67	21.92
26 24 19 00-0589	EA	2.4/4.8 KV Phase Failure Protection	3,965.52	73.08
26 24 19 00-0590	EA	2.4/4.8 KV Ground Protection	7,538.00	36.54
26 24 19 00-0591	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,997.79	36.54
26 24 19 00-0592	EA	2.4/4.8 KV Lightning Arresters	5,503.88	21.92
26 24 19 00-0593	EA	2.4/4.8 KV Portable Lifting Mechanism	7,958.93	
26 24 19 00-0594	EA	2.4/4.8 KV Auxiliary Timing Relay	851.53	73.08
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Control Relay	612.61	73.08

26 24 19 00-0596 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0483)*

Note: 3 Pole. Includes structure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0597	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,531.26	438.34
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,661.72	775.89
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	3,202.64	993.46
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,126.61	1,599.77
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,009.27	1,759.74
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	7,663.84	1,951.71
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	8,924.60	2,287.67
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	15,029.78	2,665.22

26 24 19 00-0605 Main Lugs Only *(26 24 19 00-0483)*

26 24 19 00-0606	EA	600 Amperes Incoming Section, Main Lugs	1,275.62	559.92
26 24 19 00-0607	EA	800 Amperes Incoming Section, Main Lugs	1,388.88	559.92
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs	1,963.24	879.87
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs	4,641.75	1,599.77
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs	7,033.37	2,319.66
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs	9,993.45	3,199.54

26 24 19 00-0612 Incoming Main Circuit Breaker Structure *(26 24 19 00-0483)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	7,677.47	774.12
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	16,083.65	994.42
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	16,869.82	1,548.89
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	23,754.77	1,548.89
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	34,221.10	1,752.54
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0618 Incoming Fusible Main Disconnect Section *(26 24 19 00-0483)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section	6,700.30	775.09
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section	9,226.49	994.90
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section	17,895.42	1,550.17
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section	20,719.75	1,550.17
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section	29,039.85	1,754.15
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0624 Circuit Breaker Combination Starters *(26 24 19 00-0483)*

26 24 19 00-0625 Class I, Type A *(26 24 19 00-0624)*

26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,257.27	324.76
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.16*	
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,456.33	324.76
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.10*	
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	2,100.86	460.74
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*275.82*	
26 24 19 00-0629	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	3,369.26	606.31
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*363.58*	
26 24 19 00-0630	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,917.00	758.28
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*454.48*	

26 24 19 00-0631 Class I, Type B *(26 24 19 00-0624)*

26 24 19 00-0632	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	1,180.69	283.16
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.98*	
26 24 19 00-0633	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,373.18	283.16
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	2,001.84	409.54
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*246.12*	
26 24 19 00-0635	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	3,268.27	555.11
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*333.29*	
26 24 19 00-0636	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,835.55	708.70
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*430.04*	

26 24 19 00-0637 Class I, Type C *(26 24 19 00-0624)*

26 24 19 00-0638	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,229.61	262.36
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.91*	
26 24 19 00-0639	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,436.84	262.36
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.19*	
26 24 19 00-0640	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	2,123.96	391.94
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.26*	
26 24 19 00-0641	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	3,399.48	542.32
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*325.16*	
26 24 19 00-0642	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,953.80	695.90
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.61*	

26 24 19 00-0643 Class II, Type B *(26 24 19 00-0624)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0644	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,281.64	388.75
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.75*	
26 24 19 00-0645	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,732.31	388.75
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.36*	
26 24 19 00-0646	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,429.91	518.32
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.03*	
26 24 19 00-0647	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,896.88	663.91
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*399.94*	
26 24 19 00-0648	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,873.76	811.08
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*487.73*	

26 24 19 00-0649 Class II, Type C *(26 24 19 00-0624)*

26 24 19 00-0650	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,557.02	367.94
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.50*	
26 24 19 00-0651	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,779.85	367.94
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.85*	
26 24 19 00-0652	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,559.51	502.32
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*300.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0653	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	4,016.36	647.91
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*388.29*	
26 24 19 00-0654	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	7,014.85	799.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*481.86*	

26 24 19 00-0655 Fused Disconnect Combination Starter *(26 24 19 00-0483)*

26 24 19 00-0656 Class I, Type A *(26 24 19 00-0655)*

26 24 19 00-0657	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	1,155.24	299.15
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.15*	
26 24 19 00-0658	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,722.86	409.54
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.36*	
26 24 19 00-0659	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,687.45	532.72
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.95*	
26 24 19 00-0660	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,684.85	747.09
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*449.37*	
26 24 19 00-0661	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	6,298.69	951.86
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*571.34*	

26 24 19 00-0662 Class I, Type B *(26 24 19 00-0655)*

26 24 19 00-0663	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	1,159.43	267.16
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0664	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,564.60	366.35
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.75*	
26 24 19 00-0665	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	2,292.42	489.53
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.08*	
26 24 19 00-0666	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,786.53	707.10
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*425.47*	
26 24 19 00-0667	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	6,378.11	899.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*540.46*	
26 24 19 00-0668		Class I, Type C *(26 24 19 00-0655)*		
26 24 19 00-0669	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,212.89	249.57
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.79*	
26 24 19 00-0670	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,633.11	339.15
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.10*	
26 24 19 00-0671	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,467.09	471.94
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*285.67*	
26 24 19 00-0672	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,959.69	695.90
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0673	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	6,049.63	889.47
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*533.26*	

26 24 19 00-0674 Class II, Type B *(26 24 19 00-0655)*

26 24 19 00-0675	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,479.08	374.34
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.69*	
26 24 19 00-0676	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,903.06	467.13
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.68*	
26 24 19 00-0677	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,726.56	601.51
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*360.31*	
26 24 19 00-0678	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	4,367.46	811.08
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*487.73*	
26 24 19 00-0679	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	7,321.90	1,012.65
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*605.97*	

26 24 19 00-0680 Class II, Type C *(26 24 19 00-0655)*

26 24 19 00-0681	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,519.21	351.94
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.50*	
26 24 19 00-0682	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,971.01	441.54
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0683	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,866.82	574.31
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*344.78*	
26 24 19 00-0684	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	4,520.78	791.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*476.12*	
26 24 19 00-0685	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	7,465.20	980.65
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.15*	

26 24 19 00-0686 Space Complete With Bus And Hardware *(26 24 19 00-0483)*

26 24 19 00-0687 Circuit Breaker Type *(26 24 19 00-0686)*

26 24 19 00-0688	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	363.27	108.78
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0689	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	363.27	108.78
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0690	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	538.77	158.38
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0691	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	647.47	207.97
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0692	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	1,073.68	316.76
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0693 Fused Disconnect Type *(26 24 19 00-0686)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0694	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	363.27	108.78
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0695	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	487.36	158.38
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0696	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	672.63	207.97
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0697	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	1,143.89	316.76
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0698	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,602.15	460.74
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0699 Blank Space For Future Expansion *(26 24 19 00-0686)*

Note: Factory modified no labor costs.

26 24 19 00-0700	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	146.50	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	146.50	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	222.11	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	222.11	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	441.86	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0705		Structure Combination Of Starters To 72" High *(26 24 19 00-0686)*		
26 24 19 00-0706	EA	Structure Combination Of Starters To 72" High	4,065.50	841.96
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0707		Motor Control Center Basic Distribution Section *(26 24 19 00-0483)*		
26 24 19 00-0708	EA	20" Wide Basic Section With Vertical Wireway	7,117.42	2,192.64
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0709	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	7,117.42	2,192.64
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	7,761.20	2,192.64
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	Corner Section	7,761.20	2,192.64
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712		Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0483)*		
		Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0713		FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0712)*		
26 24 19 00-0714	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,736.06	307.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.76*	
26 24 19 00-0715	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,931.80	341.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.92*	
26 24 19 00-0716	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	3,292.73	459.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*275.51*	
26 24 19 00-0717	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,750.26	605.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*363.25*	
26 24 19 00-0718	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	10,564.40	756.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*453.96*	
26 24 19 00-0719	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	24,279.13	756.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*453.96*	
26 24 19 00-0720	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,733.83	266.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.81*	
26 24 19 00-0721	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,955.27	299.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.97*	
26 24 19 00-0722	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,341.11	409.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.72*	
26 24 19 00-0723	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,731.79	555.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*333.10*	
26 24 19 00-0724	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	10,566.72	716.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*430.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0725	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	24,429.02	716.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*430.04*	

26 24 19 00-0726 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0727	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,734.75	385.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.18*	
26 24 19 00-0728	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,335.43	426.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*255.83*	
26 24 19 00-0729	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,441.84	573.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.79*	
26 24 19 00-0730	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	9,264.89	757.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*454.48*	
26 24 19 00-0731	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,553.60	947.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.64*	
26 24 19 00-0732	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,752.68	332.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.64*	
26 24 19 00-0733	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,380.71	375.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.11*	
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,510.07	512.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.65*	
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	9,261.72	694.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.61*	
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,574.68	896.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*538.04*	

26 24 19 00-0737 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,980.89	385.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.18*	
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,190.34	426.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*255.83*	
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,809.65	573.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.79*	
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,625.19	757.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*454.48*	
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	21,057.86	947.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.64*	
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,998.82	332.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.64*	
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,235.62	375.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.11*	
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,877.89	512.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.65*	
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,622.02	694.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*416.61*	
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	21,078.94	896.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*538.04*	

26 24 19 00-0748 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0483)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0749 FVNR Starters With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,422.60	300.27
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,861.46	408.11
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	3,040.95	531.77
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	5,065.22	749.01
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	9,943.24	952.18
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	24,586.61	952.18
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,434.50	266.20
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,883.07	365.55
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	3,105.21	490.17
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	5,067.59	709.18
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	9,922.34	900.83
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	24,713.39	900.83

26 24 19 00-0762 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,391.03	375.94
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,325.72	510.16
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,096.21	664.38
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,490.73	938.90
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,886.80	1,098.72
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,426.69	332.76
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,366.25	456.58
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,183.01	613.35
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,505.80	884.83
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,884.62	1,036.17

26 24 19 00-0773 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,761.87	375.94
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,193.76	510.16
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,488.64	664.38
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,989.56	938.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,475.44	1,098.72
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,798.63	332.76
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,234.29	456.58
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,575.44	613.35
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	11,004.63	884.83
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,473.27	1,036.17

26 24 19 00-0784 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit *(26 24 19 00-0483)*

Note: Per section. Labor is included in basic distribution section.

26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	289.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	352.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 24 19 00-0787	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	424.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.42*	
26 24 19 00-0788	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	549.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.42*	
26 24 19 00-0789	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	915.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.83*	
26 24 19 00-0790	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	167.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 24 19 00-0791 Disconnect (Safety) Switch For Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0792 3 Pole Circuit Breaker Disconnect For Motor Control Center *(26 24 19 00-0791)*

Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0793	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,152.98	231.17
26 24 19 00-0794	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,968.32	255.96
26 24 19 00-0795	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,412.10	344.75
26 24 19 00-0796	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	3,963.30	454.33
26 24 19 00-0797	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	6,775.28	567.92
26 24 19 00-0798	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	7,702.34	567.92
26 24 19 00-0799	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	15,715.56	711.10

26 24 19 00-0800 Fusible Disconnect (Safety) Switch For Motor Control Center *(26 24 19 00-0791)*

Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0801	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	991.03	224.76
26 24 19 00-0802	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	1,187.06	306.36
26 24 19 00-0803	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,614.18	391.94
26 24 19 00-0804	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,933.02	561.52
26 24 19 00-0805	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	5,082.65	714.13
26 24 19 00-0806	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	11,252.42	714.13
26 24 19 00-0807	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	13,914.97	892.67
26 24 19 00-0808	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	20,373.55	892.67

26 24 19 00-0809 Control Circuit Transformer *(26 24 19 00-0483)*

26 24 19 00-0810	EA	Control Circuit Transformer, Size 1 Factory Installed	78.16	
26 24 19 00-0811	EA	Control Circuit Transformer, Size 2 Factory Installed	78.16	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 3 Factory Installed	150.52	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 4 Factory Installed	150.52	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 5 Factory Installed	209.11	
26 24 19 00-0815	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	66.86	18.11

26 24 19 00-0816 Cover Mounted Control Devices *(26 24 19 00-0483)*

26 24 19 00-0817	EA	Control Device, 2 Unit Push Button Station Cover Mounted	144.82	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 24 19 00-0818	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	164.37	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.00*	
26 24 19 00-0819	EA	Control Device, Pilot Light Cover Mounted	133.88	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 24 19 00-0820	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	380.65	108.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.57*	
26 24 19 00-0821	EA	Auxiliary Contact Add Per Starter	419.34	41.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.87*	

26 24 19 00-0822 Extra Interlocks *(26 24 19 00-0483)*

Note: Per contact.

26 24 19 00-0823	EA	Extra Interlocks, Class I, Type A Per Contact	95.68	20.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type B Per Contact	128.35	20.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type C Per Contact	139.68	20.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 24 19 00-0826	EA	Extra Interlocks, Class II, Type B Per Contact	124.80	20.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.00*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type C Per Contact	129.71	20.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0828		**Special Cabinet Provisions** *(26 24 19 00-0483)*		
26 24 19 00-0829	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	978.41	
26 24 19 00-0830		**Nameplate Requirements** *(26 24 19 00-0483)*		
26 24 19 00-0831	EA	Special Cabinet Nameplate Requirements	34.74	
26 24 19 00-0832		**Auxiliary Relays** *(26 24 19 00-0483)*		
26 24 19 00-0833	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	208.79	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	
26 24 19 00-0834	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	198.34	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	
26 24 19 00-0835	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	120.34	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	
26 24 19 00-0836		**Motor Control Center Accessories** *(26 24 19 00-0483)*		
26 24 19 00-0837		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0836)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0838	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,885.34	509.33
26 24 19 00-0839	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,119.07	529.70
26 24 19 00-0840	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,691.05	570.44
26 24 19 00-0841	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	8,365.29	611.18
26 24 19 00-0842	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	11,173.96	651.93
26 24 19 00-0843	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	13,696.93	733.42
26 24 19 00-0844	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	17,932.58	814.91
26 24 19 00-0845	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,559.38	672.30
26 24 19 00-0846	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,473.53	733.42
26 24 19 00-0847	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,112.11	814.91
26 24 19 00-0848	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,924.38	896.40
26 24 19 00-0849	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,754.91	977.89
26 24 19 00-0850	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	17,309.88	1,059.39
26 24 19 00-0851		**Bolt-On Lighting Panel** *(26 24 19 00-0836)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0852	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,726.42	832.52
26 24 19 00-0853	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,309.29	1,449.07
26 24 19 00-0854	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	5,740.23	1,960.51
26 24 19 00-0855	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,862.93	900.83
26 24 19 00-0856	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	4,247.63	1,418.19
26 24 19 00-0857	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	5,985.29	2,083.05
26 24 19 00-0858	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,431.84	965.62
26 24 19 00-0859	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,003.05	1,550.17
26 24 19 00-0860	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	7,557.27	2,083.05
26 24 19 00-0861	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,583.72	1,041.45
26 24 19 00-0862	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,003.05	1,550.17
26 24 19 00-0863	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	7,691.66	2,150.24
26 24 19 00-0864		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0836)* Note: For MCC lighting panel only.		
26 24 19 00-0865	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	27.70	
26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	301.53	
26 24 19 00-0867	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	54.14	
26 24 19 00-0868	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	124.65	
26 24 19 00-0869	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	146.05	
26 24 19 00-0870	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	221.60	
26 24 19 00-0871		**Blank Unit Door (BUD)** *(26 24 19 00-0836)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0872	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	80.41	
26 24 19 00-0873	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	96.49	
26 24 19 00-0874	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	144.73	
26 24 19 00-0875	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	192.98	
26 24 19 00-0876	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.47	
26 24 19 00-0877	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	337.71	
26 24 19 00-0878	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	385.96	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

26 25 13 00-0001		**Plug-In Bus Duct** *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	310.00	47.99
		For Up To 25, Add	*77.50*	
		For >25 To 50, Add	*46.50*	
		For >50 To 100, Add	*23.25*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	430.46	47.99
		For Up To 25, Add	*107.62*	
		For >25 To 50, Add	*64.57*	
		For >50 To 100, Add	*32.28*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	541.91	63.99
		For Up To 25, Add	*135.48*	
		For >25 To 50, Add	*81.29*	
		For >50 To 100, Add	*40.64*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	737.52	63.99
		For Up To 25, Add	*184.38*	
		For >25 To 50, Add	*110.63*	
		For >50 To 100, Add	*55.31*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	778.73	79.99
		For Up To 25, Add	*194.68*	
		For >25 To 50, Add	*116.81*	
		For >50 To 100, Add	*58.40*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,071.90	79.99
		For Up To 25, Add	*267.98*	
		For >25 To 50, Add	*160.79*	
		For >50 To 100, Add	*80.39*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,248.00	83.99
		For Up To 25, Add	*312.00*	
		For >25 To 50, Add	*187.20*	
		For >50 To 100, Add	*93.60*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,509.76	86.39
		For Up To 25, Add	*377.44*	
		For >25 To 50, Add	*226.46*	
		For >50 To 100, Add	*113.23*	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,853.78	91.19
		For Up To 25, Add	*463.45*	
		For >25 To 50, Add	*278.07*	
		For >50 To 100, Add	*139.03*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,141.15	106.39
		For Up To 25, Add	*535.29*	
		For >25 To 50, Add	*321.17*	
		For >50 To 100, Add	*160.59*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,473.49	115.98
		For Up To 25, Add	*618.37*	
		For >25 To 50, Add	*371.02*	
		For >50 To 100, Add	*185.51*	

26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*

26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	486.98	47.99
		For Up To 25, Add	*121.75*	
		For >25 To 50, Add	*73.05*	
		For >50 To 100, Add	*36.52*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	694.73	47.99
		For Up To 25, Add	*173.68*	
		For >25 To 50, Add	*104.21*	
		For >50 To 100, Add	*52.10*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	785.49	63.99
		For Up To 25, Add	*196.37*	
		For >25 To 50, Add	*117.82*	
		For >50 To 100, Add	*58.91*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	992.86	63.99
		For Up To 25, Add	*248.22*	
		For >25 To 50, Add	*148.93*	
		For >50 To 100, Add	*74.46*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,206.35	79.99
		For Up To 25, Add	*301.59*	
		For >25 To 50, Add	*180.95*	
		For >50 To 100, Add	*90.48*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,552.88	79.99
		For Up To 25, Add	*388.22*	
		For >25 To 50, Add	*232.93*	
		For >50 To 100, Add	*116.47*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,000.42	82.87
		For Up To 25, Add	*500.11*	
		For >25 To 50, Add	*300.06*	
		For >50 To 100, Add	*150.03*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,401.05	86.39
		For Up To 25, Add	*600.26*	
		For >25 To 50, Add	*360.16*	
		For >50 To 100, Add	*180.08*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,967.99	90.39
		For Up To 25, Add	*742.00*	
		For >25 To 50, Add	*445.20*	
		For >50 To 100, Add	*222.60*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,426.81	106.39
		For Up To 25, Add	*856.70*	
		For >25 To 50, Add	*514.02*	
		For >50 To 100, Add	*257.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,967.83	115.98
		For Up To 25, Add	*991.96*	
		For >25 To 50, Add	*595.17*	
		For >50 To 100, Add	*297.59*	
26 25 13 00-0026		Cable Tap Boxes *(26 25 13 00-0001)*		
26 25 13 00-0027		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,438.33	223.96
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,538.55	223.96
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,755.79	303.95
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,945.39	303.95
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,168.00	399.94
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,474.30	399.94
26 25 13 00-0034		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,538.55	439.94
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,774.15	439.94
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,980.47	599.92
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,351.73	599.92
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,541.86	799.88
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	4,023.25	799.88
26 25 13 00-0041		Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*		
26 25 13 00-0042		240 Volt, 3-Phase *(26 25 13 00-0041)*		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,127.28	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.51*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,185.85	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 25 13 00-0045		600 Volt, 3-Phase *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,103.08	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.51*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,723.06	159.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 25 13 00-0048		120/208 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,297.41	191.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.99*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,555.03	191.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.98*	
26 25 13 00-0051		277/480 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,471.71	191.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.99*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,237.56	191.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.98*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,365.52	663.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.73*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,975.70	663.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*624.91*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	9,068.47	1,919.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*869.44*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	11,760.57	1,919.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,538.24*	
26 25 13 00-0058		Bus Duct Plug-In Fusible Switch *(26 25 13 00-0001)*		
26 25 13 00-0059		240 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,124.88	159.97
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,243.21	159.97
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,706.94	191.97
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,889.75	383.94
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,232.13	863.87
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,937.83	1,503.78
26 25 13 00-0066		600 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,159.93	175.97
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,275.72	175.97
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,713.61	175.97
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,947.83	367.94
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,189.41	831.88
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,240.82	1,599.77
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	18,172.50	2,079.69
26 25 13 00-0074		120/208 Volt, 4-pole, 3 Fuse *(26 25 13 00-0058)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,298.62	207.97
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,405.64	207.97
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,899.16	207.97
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,216.24	431.94
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,958.75	959.86
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,612.05	1,471.79

26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,338.71	207.97
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,445.72	176.45
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,019.22	239.96
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,345.33	431.94
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,958.75	959.86
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,612.05	1,471.79
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	18,185.11	1,951.71

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	870.53	67.19
		For Up To 25, Add	*217.63*	
		For >25 To 50, Add	*130.58*	
		For >50 To 100, Add	*65.29*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	884.42	67.19
		For Up To 25, Add	*221.11*	
		For >25 To 50, Add	*132.66*	
		For >50 To 100, Add	*66.33*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,150.71	67.19
		For Up To 25, Add	*287.68*	
		For >25 To 50, Add	*172.61*	
		For >50 To 100, Add	*86.30*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,377.72	67.19
		For Up To 25, Add	*344.43*	
		For >25 To 50, Add	*206.66*	
		For >50 To 100, Add	*103.33*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,681.14	67.19
		For Up To 25, Add	*420.29*	
		For >25 To 50, Add	*252.17*	
		For >50 To 100, Add	*126.09*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,295.64	159.97
		For Up To 25, Add	*573.91*	
		For >25 To 50, Add	*344.35*	
		For >50 To 100, Add	*172.17*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,164.44	159.97
		For Up To 25, Add	*791.11*	
		For >25 To 50, Add	*474.67*	
		For >50 To 100, Add	*237.33*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,744.22	159.97
		For Up To 25, Add	*936.06*	
		For >25 To 50, Add	*561.63*	
		For >50 To 100, Add	*280.82*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,605.51	159.97
		For Up To 25, Add	*1,151.38*	
		For >25 To 50, Add	*690.83*	
		For >50 To 100, Add	*345.41*	

26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*

Note: Low impedance, copper conductors.

26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	993.94	71.99
		For Up To 25, Add	*248.49*	
		For >25 To 50, Add	*149.09*	
		For >50 To 100, Add	*74.55*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,012.73	71.99
		For Up To 25, Add	*253.18*	
		For >25 To 50, Add	*151.91*	
		For >50 To 100, Add	*75.95*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,297.25	71.99
		For Up To 25, Add	*324.31*	
		For >25 To 50, Add	*194.59*	
		For >50 To 100, Add	*97.29*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,537.40	71.99
		For Up To 25, Add	*384.35*	
		For >25 To 50, Add	*230.61*	
		For >50 To 100, Add	*115.31*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,855.01	71.99
		For Up To 25, Add	*463.75*	
		For >25 To 50, Add	*278.25*	
		For >50 To 100, Add	*139.13*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,843.04	123.18
		For Up To 25, Add	*710.76*	
		For >25 To 50, Add	*426.46*	
		For >50 To 100, Add	*213.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,564.63	123.18
		For Up To 25, Add	*891.16*	
		For >25 To 50, Add	*534.69*	
		For >50 To 100, Add	*267.35*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,219.10	228.76
		For Up To 25, Add	*1,054.78*	
		For >25 To 50, Add	*632.87*	
		For >50 To 100, Add	*316.43*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,194.70	228.76
		For Up To 25, Add	*1,298.68*	
		For >25 To 50, Add	*779.21*	
		For >50 To 100, Add	*389.60*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	326.45	103.98
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	343.97	103.98
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	387.55	115.98
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	398.80	115.98
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	448.65	127.98
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	453.63	127.98
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,156.57	203.17
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,457.60	227.17
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	3,024.11	251.16
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,254.68	799.88

26 27 13 00-0013 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	301.39	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	354.06	33.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.92*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	430.32	33.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.16*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	826.40	33.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.44*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,152.67	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,862.10	40.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.04*	

26 27 13 00-0020 Current Transformer Enclosure *(26 27 13 00-0001)*

26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	686.80	207.97

26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,163.57	99.98
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,526.65	119.98
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,887.84	139.98
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,186.69	159.97
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,835.08	179.97
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,064.01	199.97
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,578.59	239.96

26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,108.29	99.98
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,771.78	119.98
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,815.39	159.97
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,233.24	179.97
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,312.41	199.97

26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,776.36	139.98
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,322.73	159.97
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,835.08	179.97
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,328.53	199.97
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,180.98	219.97
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,391.03	239.96
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,434.59	279.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,717.29	139.98
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,550.84	159.97
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,991.21	199.97
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,352.41	219.97
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,828.32	239.96
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,271.58	119.98
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,655.44	139.98
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,037.43	159.97
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,362.73	179.97
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,893.96	199.97
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,122.90	219.97
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,845.31	259.96
26 27 13 00-0060		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,223.85	119.98
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,925.15	139.98
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,214.35	179.97
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,632.22	199.97
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,598.07	219.97
26 27 13 00-0066		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,884.41	159.97
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,438.33	179.97
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,007.37	199.97
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,500.83	219.97
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,391.09	239.96
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,601.08	259.96
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,720.29	299.95
26 27 13 00-0074		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,851.79	159.97
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,742.03	179.97
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,352.45	219.97
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,600.26	239.96
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,095.10	259.96
26 27 13 00-0080		**120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0081		**800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,163.57	99.98
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,526.65	119.98
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,186.69	159.97
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,835.08	179.97
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,498.58	199.97
26 27 13 00-0087		**1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,108.28	99.98
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,771.77	119.98
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,004.30	159.97
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,422.19	179.97
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,312.41	199.97
26 27 13 00-0093		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,776.36	139.98
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,322.73	159.97
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,328.53	199.97
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,180.98	219.97
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,391.03	239.96
26 27 13 00-0099		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,717.31	139.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,550.84	159.97
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,991.21	199.97
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,352.41	219.97
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,828.37	239.96
26 27 13 00-0105		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0106		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,271.58	119.98
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,655.44	139.98
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,362.73	179.97
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,082.90	199.97
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,500.79	219.97
26 27 13 00-0112		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,223.84	119.98
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,925.13	139.98
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,025.41	179.97
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,443.28	199.97
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,598.03	219.97
26 27 13 00-0118		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,884.38	159.97
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,438.30	179.97
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,500.79	219.97
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,391.03	239.96
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,601.08	259.96
26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,851.76	159.97
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,742.00	179.97
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,352.41	219.97
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,600.26	239.96
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,095.10	259.96
26 27 13 00-0130		Watt/Hour Meters *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,354.54	95.98
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,766.99	191.97
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	2,027.64	143.98
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,459.15	143.98
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,091.03	143.98
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,404.36	132.78
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,405.94	239.96
26 27 13 00-0138		Watt/Hour Meter Systems *(26 27 13)*		
		Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,300.27	960.02
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	7,318.62	960.02
26 27 13 00-0142		Watt/Hour Meter System With Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,771.36	960.02
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,991.93	960.02
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,933.66	960.02
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)*		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable *(26 27 16)*		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.30	32.00
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	108.80	35.20
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	120.38	38.40
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.53	44.79
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	152.70	47.99
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.65	51.19
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.25	51.19
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	178.47	54.40
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	192.29	57.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	250.34	76.79
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	303.50	92.78
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	289.00	89.59
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	121.16	38.40
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	146.25	44.79
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	175.02	54.40
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	188.54	57.59
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	202.31	60.79
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	216.62	63.99
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	275.98	83.19
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	335.31	102.39
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	323.57	99.19
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	420.83	127.98
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	532.16	147.18
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	604.28	159.97
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	668.73	169.58
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	725.20	175.97
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	499.91	127.98
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	67.06	22.40
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.84	32.00
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	106.65	35.20
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	75.26	25.59
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	93.44	32.00
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	104.10	35.20
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	114.90	38.40
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	134.07	44.79
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	145.31	47.99
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	157.05	51.19
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	156.68	51.19
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	168.85	54.40
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	181.33	57.59
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	237.93	76.79
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.26	95.98
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	274.23	89.59
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	354.78	115.18
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	500.84	143.98
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	115.43	38.40
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	126.95	41.59
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	146.35	47.99
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	166.11	54.40
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	178.44	57.59
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	190.88	60.79
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	203.75	63.99
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	261.53	83.19
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	321.42	102.39
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	306.43	99.19
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	397.93	127.98
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	490.53	147.18
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	557.76	159.97
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	600.59	169.58
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	652.10	175.97
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	166.11	54.40
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	224.67	70.39
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	285.66	89.59
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	354.97	111.98
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	340.15	108.78
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	421.19	134.38
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	471.60	153.58
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	539.38	163.18
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	614.83	175.97
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	653.34	185.58
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	684.87	191.97
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	700.41	191.97
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	385.08	121.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	505.15	156.77
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	515.23	166.38
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	649.73	179.17
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	743.75	198.37
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	817.55	204.77
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	870.05	214.37
26 27 16 00-0090		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	557.54	172.77
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	560.55	182.38
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	715.07	198.37
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	812.37	217.57
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	902.92	227.17
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	950.90	236.76
26 27 16 00-0097		NEMA 1 Enclosures For Up To 6 Boards, Lockable *(26 27 16)*		
26 27 16 00-0098		4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,332.43	140.78
26 27 16 00-0100		NEMA 12 Enclosures, Lockable *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	129.43	25.59
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	169.39	35.20
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	210.11	44.79
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	227.26	47.99
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	253.91	51.19
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	273.18	54.40
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	187.75	38.40
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	206.54	41.59
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	250.81	25.59
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	302.67	35.20
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	341.70	38.40
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	391.29	44.79
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	403.23	47.99
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	474.01	51.19
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	508.73	54.40
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	577.16	57.59
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	366.70	38.40
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	413.82	41.59
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	452.15	47.99
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	535.11	57.59
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	581.70	63.99
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	805.51	83.19
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,247.88	127.98
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,626.32	147.18
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,831.21	159.97
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,699.71	163.18
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,953.96	175.97
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,144.68	185.58
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,359.51	191.97
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,328.09	191.97
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,277.24	259.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,355.94	287.95
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,430.78	307.95
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,708.45	383.94
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,848.37	452.74
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,893.10	452.74
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,790.95	479.93
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,974.15	511.93
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,989.47	511.93
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)*		
		Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	390.45	111.98
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	416.80	111.98
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	524.54	115.98
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	542.47	115.98
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	673.88	119.98
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	519.70	115.98
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	566.57	115.98
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	590.33	119.98
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	734.32	119.98
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	806.07	127.98
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	867.14	135.98
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	901.39	135.98
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,065.50	139.98
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,153.60	143.98
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,568.48	159.97
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	774.75	123.98
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	971.59	139.98
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,132.54	143.98
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,299.96	147.98
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,380.74	147.98
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,568.05	159.97
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,812.32	179.97
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,708.42	171.97
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,317.39	319.95
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,702.85	399.94
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,394.52	151.98
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,088.86	199.97
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,121.85	199.97
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,883.00	299.95
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,775.65	319.95
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	9,508.78	559.92
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,026.73	399.94
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,692.34	479.93
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,339.09	439.94
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	125.34	32.00
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	138.33	35.20
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	199.54	38.40

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	251.06	47.99
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	280.84	54.40
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	328.37	60.79
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	354.33	63.99
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	461.28	83.19
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	552.71	102.39
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	635.50	127.98
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	953.38	163.18
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,055.46	175.97
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,183.39	185.58
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,243.46	191.97
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,180.66	198.37
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,333.67	223.96
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,476.62	247.96
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,626.43	273.56
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,770.99	297.56
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	779.08	156.77
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,180.66	198.37
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,386.56	204.77
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,741.90	223.96
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,132.20	158.38
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,269.81	177.58
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,405.81	196.77
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,554.41	217.57
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,692.02	236.76
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	846.00	118.39
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,132.20	158.38
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,269.81	177.58
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,494.02	207.97
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,692.02	236.76
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,611.39	233.57
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,692.02	236.76
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,779.96	243.16
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,977.10	255.96
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	2,140.97	268.77
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.97	25.59
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	111.48	32.00
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	123.05	35.20
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	136.25	38.40
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	158.28	44.79
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	172.28	47.99
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	187.42	51.19
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	186.65	51.19
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	203.57	54.40
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	218.71	57.59
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.16	89.59
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	440.49	115.18
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	128.61	38.40
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.34	47.99
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	197.51	54.40
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	213.71	57.59
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	212.57	57.59
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	229.69	60.79
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	246.94	63.99
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	322.20	83.19
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	371.84	99.19
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	495.00	127.98
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	517.81	137.58
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	589.15	147.18
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	662.09	159.97
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	276.08	70.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	401.66	108.78
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	547.45	140.78
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	652.00	163.18
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	735.40	175.97
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	814.38	185.58
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	604.35	156.77
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	809.96	198.37
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	885.21	204.77
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	894.36	217.57
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,228.17	236.76
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,268.91	243.16
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,476.53	255.96
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	127.36	22.40
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	149.51	27.20
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	187.43	35.20
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	179.32	35.20
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	240.21	47.99
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	298.00	57.59
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	275.97	54.40
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	322.06	63.99
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	377.98	73.58
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	460.24	92.78
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	117.94	22.40
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	169.92	35.20
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	149.60	30.72
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	159.30	33.27
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	197.07	43.51
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	229.14	47.99
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	295.11	60.79
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	345.31	71.99
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	494.44	115.18
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	242.70	25.59
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	289.00	35.20
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	368.23	47.99
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	446.65	57.59
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	552.13	73.58
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	655.36	92.78
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	372.33	22.40
		For 316 Stainless Steel, Add	*50.61*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	484.77	32.00
		For 316 Stainless Steel, Add	*64.76*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	549.14	35.20
		For 316 Stainless Steel, Add	*73.78*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	628.15	38.40
		For 316 Stainless Steel, Add	*85.15*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	771.63	47.99
		For 316 Stainless Steel, Add	*104.26*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,084.17	60.79
		For 316 Stainless Steel, Add	*149.15*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,351.19	73.58
		For 316 Stainless Steel, Add	*186.76*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,629.64	92.78
		For 316 Stainless Steel, Add	*223.63*	
26 27 16 00-0322		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	173.13	35.20
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	194.57	38.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	222.90	44.79
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	242.10	47.99
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	279.38	54.40
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	263.69	54.40
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	306.52	60.79
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	383.38	73.58
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	491.70	100.78
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	637.62	145.09
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	185.47	35.20
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	209.14	38.40
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	238.58	44.79
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	261.14	47.99
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	299.54	54.40
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	282.75	54.40
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	332.36	60.79
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	396.83	73.58
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	519.72	100.78
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	667.86	145.09

26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	207.87	35.20
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	222.58	38.40
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	253.14	44.79
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	273.47	47.99
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	323.08	54.40
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	298.43	54.40
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	364.84	60.79
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	433.81	73.58
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	535.41	100.78
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	694.75	145.09
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	216.83	35.20
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	239.38	38.40
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	268.82	44.79
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	290.27	47.99
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	345.49	54.40
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	317.47	54.40
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	388.37	60.79
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	445.01	73.58
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	572.37	100.78
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	733.97	145.09

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,644.33	179.97
		For Mounting Pan, Add	*67.99*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,323.61	191.97
		For Mounting Pan, Add	*126.69*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,546.39	215.97
		For Mounting Pan, Add	*174.69*	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,270.48	215.97
		For Mounting Pan, Add	*88.83*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,943.21	221.97
		For Mounting Pan, Add	*174.69*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,014.84	239.96
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,092.39	239.96
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,362.12	299.95
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,108.93	269.96
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,255.94	299.95
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,593.88	539.92
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,217.85	359.94
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,880.54	599.92
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,215.85	599.92
		For Mounting Pan, Add	*374.65*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,516.17	269.96
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,540.28	269.96
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,999.30	269.96
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,431.84	299.95
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,469.54	539.92
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,873.35	659.91
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,298.66	779.89
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,106.72	659.91
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,295.62	659.91
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,801.20	719.90
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,938.27	659.91
		For Mounting Pan, Add	*374.65*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,897.56	719.90
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,817.36	719.90
		For Mounting Pan, Add	*730.36*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	18,305.95	959.86
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,945.22	779.89
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	25,210.15	1,199.82
		For Mounting Pan, Add	*1,161.94*	

26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,784.59	779.89
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,769.07	719.90
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,820.75	779.89
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	16,157.60	839.88
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,322.25	839.88
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	27,436.26	1,199.82
		For Mounting Pan, Add	*1,161.94*	

26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,046.66	659.91
		For Mounting Pan, Add	*257.82*	

26 27 16 00-0407 Breaker Enclosures *(26 27 16)*

See CSI section 26 24 16 00-0001 for lighting and power panel boards.

26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	469.48	127.98
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	820.84	127.98
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,968.60	175.97
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,650.21	191.97
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,953.15	191.97
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	730.43	175.97

26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	738.30	175.97
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,300.95	175.97
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,294.72	223.96
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,105.43	223.96

26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,186.28	351.94
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,573.74	351.94
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	7,305.00	447.94
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,915.89	447.94

26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,316.60	671.90
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,783.02	671.90
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	13,166.33	863.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	7,283.72	863.87
26 27 16 00-0430		**250 To 1,200 Amperes, P-Frame Breaker Enclosures** *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,767.37	671.90
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,495.89	671.90
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	9,068.73	863.87
26 27 16 00-0434		**Legend Plates** *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	25.49	8.00
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	33.29	8.00
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		**Surface Metal Raceway, Preassembled With Outlets** *(26 27 19)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	33.97	11.68
		For Concrete Or Masonry Surface, Add	*1.17*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	25.93	8.32
		For Concrete Or Masonry Surface, Add	*0.84*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	24.93	8.80
		For Concrete Or Masonry Surface, Add	*0.88*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	26.72	8.32
		For Concrete Or Masonry Surface, Add	*0.84*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	22.67	8.48
		For Concrete Or Masonry Surface, Add	*0.84*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	29.31	8.32
		For Concrete Or Masonry Surface, Add	*0.84*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	26.48	8.32
		For Concrete Or Masonry Surface, Add	*0.84*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	28.19	8.32
		For Concrete Or Masonry Surface, Add	*0.84*	
26 27 23		**Indoor Service Poles** *(26 27)*		
26 27 23 00-0001		**Communication And Power Poles** *(26 27 23)*		
		Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		**Steel Communication And Power Poles** *(26 27 23 00-0001)*		
26 27 23 00-0003		**2-1/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0002)*		
26 27 23 00-0004		**2-1/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	363.13	70.88
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	391.88	70.88
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	425.14	70.88
26 27 23 00-0008		**Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0003)*		
		Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	74.39	14.61
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	65.31	14.61
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	73.13	14.61
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	55.79	14.61
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	47.04	14.61
26 27 23 00-0014		**2-3/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0002)*		
26 27 23 00-0015		**2-3/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	461.74	70.88
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	523.55	70.88
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	556.90	70.88
26 27 23 00-0019		**Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	51.92	14.61
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	47.31	14.61
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	50.61	14.61
26 27 23 00-0023		**3" Width, Steel Communication And Power Poles** *(26 27 23 00-0002)*		
26 27 23 00-0024		**3" Width, Steel Communication And Power Poles** *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	592.71	70.88
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	667.11	70.88
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	716.14	70.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	51.92	14.61
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	47.31	14.61
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	50.61	14.61
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	481.09	70.88
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	533.11	70.88
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	591.41	70.88
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	76.16	14.61
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	77.63	14.61
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	82.52	14.61
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	58.53	14.61
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	47.04	14.61
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	464.85	70.88
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	518.20	70.88
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	581.04	70.88
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	940.01	70.88
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,070.84	70.88
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,217.37	70.88
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	524.47	70.88
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	498.11	70.88
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	629.69	70.88
26 27 26		**Wiring Devices** *(26 27)*		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	123.58	56.79
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	132.54	60.79
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	159.45	72.79
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	177.36	80.79
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	136.53	56.79
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	146.18	60.79
26 27 26 00-0010		Receptacle Components *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	35.53	16.00
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	34.78	16.00
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	39.23	16.00
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	41.81	16.00
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	53.08	20.00
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	61.54	20.00
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	36.53	16.00
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	35.73	16.00
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	47.35	16.00
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	41.00	16.00
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	53.08	20.00
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	61.54	20.00
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	88.68	20.00
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	88.68	20.00
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	79.26	24.00
26 27 26 00-0026		Specialty Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0027		Specialty Receptacles *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	75.19	28.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	75.19	28.00
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	99.08	28.00
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	104.68	28.00
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	112.68	32.00
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	105.64	32.00
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	103.66	32.00
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	93.44	32.00
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	119.16	32.00
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	123.50	32.00
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	131.50	35.99
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	144.90	39.99
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	160.89	47.99
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,474.32	375.94
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,312.92	459.94
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	88.82	32.00
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	130.76	47.99
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	76.96	20.00
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,606.57	487.14
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	104.07	16.00
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	67.33	20.00
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	67.13	20.00
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	96.01	32.00
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	73.84	20.00
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	68.77	20.00
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	92.62	24.00
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	76.84	24.00
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	94.49	24.00
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	111.70	24.00
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	115.56	32.00
26 27 26 00-0059		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	1,002.99	39.99
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	926.55	43.99
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,542.77	79.99
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,936.33	79.99
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,456.55	119.98
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,342.62	119.98
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	43.73	20.00
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	65.36	24.00
26 27 26 00-0069	EA	15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	46.00	27.25
26 27 26 00-0070	EA	20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	78.64	32.00
26 27 26 00-0071		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	71.98	20.00
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	78.25	20.00
26 27 26 00-0074		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	67.05	20.00
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	81.09	20.00
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	74.89	24.00
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	74.27	24.00
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	86.62	24.00
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	102.59	24.00
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	100.82	24.00
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	89.15	24.00
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	103.04	32.00
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	104.53	32.00
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	122.53	32.00
26 27 26 00-0086		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0087	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	324.34	79.99
26 27 26 00-0088	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	323.66	79.99
26 27 26 00-0089	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	336.48	79.99
26 27 26 00-0090	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	406.85	87.99
26 27 26 00-0091	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	407.92	87.99
26 27 26 00-0092	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	405.45	87.99
26 27 26 00-0093	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	483.26	98.39
26 27 26 00-0094	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	462.41	98.39
26 27 26 00-0095	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	495.05	98.39
26 27 26 00-0096	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	503.33	107.98
26 27 26 00-0097	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	502.93	107.98
26 27 26 00-0098	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	505.88	107.98
26 27 26 00-0099	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	698.94	127.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0100	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	673.69	127.98
26 27 26 00-0101	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	690.13	127.98
26 27 26 00-0102	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	768.49	142.38
26 27 26 00-0103	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	768.98	142.38
26 27 26 00-0104	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	769.46	142.38
26 27 26 00-0105	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	855.93	159.97
26 27 26 00-0106	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	888.30	159.97
26 27 26 00-0107	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	957.15	175.97
26 27 26 00-0108	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	954.72	175.97
26 27 26 00-0109	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	959.29	175.97

26 27 26 00-0110 Corrosion Resistant Receptacle *(26 27 26 00-0026)*

26 27 26 00-0111	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	77.15	16.00
26 27 26 00-0112	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	146.68	20.00

26 27 26 00-0113 Tamper Resistant Receptacle *(26 27 26 00-0026)*

26 27 26 00-0114	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	38.03	16.00
26 27 26 00-0115	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	41.13	16.00
26 27 26 00-0116	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	50.04	16.00
26 27 26 00-0117	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	54.21	16.00
26 27 26 00-0118	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	79.30	16.00
26 27 26 00-0119	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	85.29	16.00
26 27 26 00-0120	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	90.99	16.00

26 27 26 00-0121 USB Charger/Duplex Tamper-Resistant Receptacles *(26 27 26 00-0026)*

26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	81.49	16.00
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	87.67	16.00

26 27 26 00-0124 Switches *(26 27 26)*

26 27 26 00-0125 Switches *(26 27 26 00-0124)*

26 27 26 00-0126 Switch Assemblies *(26 27 26 00-0125)*

Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.

26 27 26 00-0127	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	126.14	55.99
26 27 26 00-0128	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	136.22	60.79
26 27 26 00-0129	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	168.57	73.19
26 27 26 00-0130	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	185.51	81.18
26 27 26 00-0131	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	288.08	125.59
26 27 26 00-0132	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	313.49	137.58
26 27 26 00-0133	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	330.34	141.98
26 27 26 00-0134	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	364.21	157.98

26 27 26 00-0135 Switch Components *(26 27 26 00-0125)*

26 27 26 00-0136	EA	15 Amperes, 120/277 Volt, SPST Switch	38.94	16.00
26 27 26 00-0137	EA	15 Amperes, 120/277 Volt, 3-Way Switch	49.11	20.00
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, 4-Way Switch	90.46	32.00
26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, DPST Switch	42.98	16.00
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, Thermal Switch	74.50	20.00
26 27 26 00-0141	EA	20 Amperes, 120/277 Volt, SPST Switch	47.40	20.00
26 27 26 00-0142	EA	20 Amperes, 120/277 Volt, 3-Way Switch	58.12	24.00
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, 4-Way Switch	114.48	32.00
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, DPST Switch	53.87	20.00
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, DPDT Switch	56.74	20.00
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	94.06	20.04
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	117.68	20.04
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	91.30	24.04
26 27 26 00-0149	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	70.37	28.00
26 27 26 00-0150	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	84.94	32.00
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	114.54	32.00
26 27 26 00-0152	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	96.53	32.06
26 27 26 00-0153	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	117.77	32.06
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	124.22	40.06
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	171.47	44.07
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	87.31	26.20
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	119.67	26.20
26 27 26 00-0158	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	105.72	26.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0159	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	100.92	26.20
26 27 26 00-0160	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	106.37	12.99
26 27 26 00-0161	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	112.88	12.99
26 27 26 00-0162	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	124.03	50.01
26 27 26 00-0163	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	147.65	50.01
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	171.40	16.03
26 27 26 00-0165	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	95.64	16.03
26 27 26 00-0166	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	285.97	16.00
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	58.99	16.00
26 27 26 00-0168	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	101.52	16.03
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	115.60	16.03
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	146.30	16.03
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	176.33	16.03
26 27 26 00-0172		Specialty Switches *(26 27 26 00-0124)*		
26 27 26 00-0173		Dimmers With SPST Switch *(26 27 26 00-0172)*		
26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch	86.99	35.99
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch	133.82	35.99
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch	236.82	57.92
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch	296.58	57.92
26 27 26 00-0178	EA	600 Watt Fluorescent Dimmer Switch	171.49	42.72
26 27 26 00-0179	EA	1,000 Watt Fluorescent Dimmer Switch	222.91	42.72
26 27 26 00-0180	EA	1,500 Watt Fluorescent Dimmer Switch	395.62	64.47
26 27 26 00-0181	EA	Remote Speed Switch For Paddle Fan	139.64	53.27
26 27 26 00-0182	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	225.20	79.51
26 27 26 00-0183		Time Switches *(26 27 26 00-0172)*		
26 27 26 00-0184	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	150.08	47.99
26 27 26 00-0185	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	152.78	47.99
26 27 26 00-0186	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	150.08	47.99
26 27 26 00-0187	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	152.78	47.99
26 27 26 00-0188	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	168.11	47.99
26 27 26 00-0189	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	168.11	47.99
26 27 26 00-0190	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	274.50	47.99
26 27 26 00-0191	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	274.50	47.99
26 27 26 00-0192	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	240.36	47.99
26 27 26 00-0193	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	261.21	47.99
26 27 26 00-0194	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	261.21	47.99
26 27 26 00-0195	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	310.47	47.99
26 27 26 00-0196	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	318.76	47.99
26 27 26 00-0197	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	150.08	47.99
26 27 26 00-0198	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	152.78	47.99
26 27 26 00-0199	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	150.08	47.99
26 27 26 00-0200	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	152.78	47.99
26 27 26 00-0201	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	168.11	47.99
26 27 26 00-0202	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	168.11	47.99
26 27 26 00-0203	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	274.50	47.99
26 27 26 00-0204	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	274.50	47.99
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	310.47	47.99
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	318.76	47.99
26 27 26 00-0207		Low Voltage Switching *(26 27 26 00-0172)*		
26 27 26 00-0208	EA	36 Pin Male Or Female Connector	206.89	16.00
26 27 26 00-0209		Other Switches *(26 27 26 00-0172)*		
26 27 26 00-0210	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	51.35	24.00
26 27 26 00-0211	EA	SPST Locking Switch For Concealed Devices	151.20	63.99
26 27 26 00-0212	EA	3-Way Locking Switch For Concealed Devices	152.68	63.99
26 27 26 00-0213	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	160.90	59.83
26 27 26 00-0214	EA	15 Amperes Momentary Contact Switch	154.99	59.83
26 27 26 00-0215	EA	20 Amperes Momentary Contact Switch	161.21	59.83
26 27 26 00-0216	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	161.57	72.12
26 27 26 00-0217	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	163.31	72.12
26 27 26 00-0218	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	200.57	88.15
26 27 26 00-0219	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	182.37	80.14
26 27 26 00-0220	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	182.80	80.14
26 27 26 00-0221		Plates And Covers *(26 27 26)*		
26 27 26 00-0222		Wall Plates *(26 27 26 00-0221)*		
26 27 26 00-0223		Nylon Wall Plates *(26 27 26 00-0222)*		
26 27 26 00-0224	EA	1 Gang Nylon Switch Wall Plates	2.38	0.80
26 27 26 00-0225	EA	2 Gang Nylon Switch Wall Plates	3.95	1.21
26 27 26 00-0226	EA	3 Gang Nylon Switch Wall Plates	5.58	1.61
26 27 26 00-0227	EA	4 Gang Nylon Switch Wall Plate	7.94	2.00
26 27 26 00-0228	EA	1 Gang Duplex Nylon Wall Plate	2.40	0.80
26 27 26 00-0229	EA	2 Gang Duplex Nylon Wall Plate	4.04	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0230		**Plastic Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0231	EA	1 Gang Plastic Switch Wall Plates	2.23	0.80
26 27 26 00-0232	EA	2 Gang Plastic Switch Wall Plates	3.64	1.21
26 27 26 00-0233	EA	3 Gang Plastic Switch Wall Plates	5.08	1.61
26 27 26 00-0234	EA	4 Gang Plastic Switch Wall Plates	7.94	2.00
26 27 26 00-0235	EA	1 Gang Duplex Plastic Wall Plate	2.23	0.80
26 27 26 00-0236	EA	2 Gang Duplex Plastic Wall Plate	3.65	1.21
26 27 26 00-0237		**Brass Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0238	EA	1 Gang, 0.04" Brass Switch Wall Plates	21.78	3.61
26 27 26 00-0239	EA	2 Gang, 0.04" Brass Switch Wall Plates	39.96	4.17
26 27 26 00-0240	EA	3 Gang, 0.04" Brass Switch Wall Plates	57.97	4.65
26 27 26 00-0241	EA	4 Gang, 0.04" Brass Switch Wall Plates	89.44	5.05
26 27 26 00-0242	EA	5 Gang, 0.04" Brass Switch Wall Plates	108.69	5.37
26 27 26 00-0243	EA	6 Gang, 0.04" Brass Switch Wall Plates	125.60	5.61
26 27 26 00-0244	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	21.78	3.61
26 27 26 00-0245	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	46.59	4.17
26 27 26 00-0246	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	66.71	4.65
26 27 26 00-0247		**Stainless Steel Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0248	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	12.20	3.61
26 27 26 00-0249	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	19.03	4.17
26 27 26 00-0250	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	26.19	4.65
26 27 26 00-0251	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	37.83	5.05
26 27 26 00-0252	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	44.37	5.37
26 27 26 00-0253	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	53.38	5.61
26 27 26 00-0254	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	13.25	3.61
26 27 26 00-0255	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	21.51	4.17
26 27 26 00-0256	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	34.41	4.65
26 27 26 00-0257	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	41.40	5.05
26 27 26 00-0258		**Chrome Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0259	EA	1 Gang, 0.040" Chrome Switch Wall Plate	42.39	3.61
26 27 26 00-0260	EA	2 Gang 0.040" Chrome Switch Wall Plate	78.58	4.17
26 27 26 00-0261	EA	3 Gang 0.040" Chrome Switch Wall Plate	114.69	4.65
26 27 26 00-0262	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	42.36	3.61
26 27 26 00-0263		**Weatherproof Covers** *(26 27 26 00-0221)*		
26 27 26 00-0264		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0265	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	14.20	0.80
26 27 26 00-0266	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	15.36	0.80
26 27 26 00-0267	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	15.36	0.80
26 27 26 00-0268	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	15.36	0.80
26 27 26 00-0269	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	18.89	1.21
26 27 26 00-0270	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	21.40	1.21
26 27 26 00-0271	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	21.66	1.21
26 27 26 00-0272	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	21.66	1.21
26 27 26 00-0273	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	29.33	1.21
26 27 26 00-0274	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	27.90	1.61
26 27 26 00-0275	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	30.47	1.61
26 27 26 00-0276		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0277	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	17.33	0.80
26 27 26 00-0278	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	54.86	0.80
26 27 26 00-0279	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	61.49	0.80
26 27 26 00-0280	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	17.20	0.80
26 27 26 00-0281	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	46.54	0.80
26 27 26 00-0282	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	77.27	0.80
26 27 26 00-0283	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	98.31	0.80
26 27 26 00-0284	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	21.66	1.21
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	155.27	1.21
26 27 26 00-0286	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	36.14	1.61
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	148.45	1.61
26 27 26 00-0288		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0289	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	6.01	0.80
26 27 26 00-0290	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.62	0.80
26 27 26 00-0291	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	10.26	1.21
26 27 26 00-0292	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	11.09	1.21
26 27 26 00-0293	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	11.09	1.21
26 27 26 00-0294	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	12.30	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0295		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0296	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	58.40	0.80
26 27 26 00-0297		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0298	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	12.02	0.80
26 27 26 00-0299	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	12.02	0.80
26 27 26 00-0300	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	12.02	0.80
26 27 26 00-0301	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.93	1.21
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.93	1.21
26 27 26 00-0303		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	95.22	0.80
26 27 26 00-0305		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0306	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	14.20	0.80
26 27 26 00-0307	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	15.37	1.20
26 27 26 00-0308	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	14.24	0.80
26 27 26 00-0309	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	31.04	0.80
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	35.93	0.80
26 27 26 00-0311	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	29.18	0.80
26 27 26 00-0312	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	21.82	0.80
26 27 26 00-0313	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	25.49	0.80
26 27 26 00-0314	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.82	0.80
26 27 26 00-0315	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	32.88	1.20
26 27 26 00-0316		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0317	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	105.24	
26 27 26 00-0318	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	13.33	
26 27 26 00-0319		**Relay Systems** *(26 27 26)*		
26 27 26 00-0320	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	113.66	35.99
26 27 26 00-0321	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	467.52	119.98
26 27 26 00-0322	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	775.44	159.97
26 27 26 00-0323		**Limit Switches** *(26 27 26)*		
26 27 26 00-0324		**Heavy-Duty Precision Oiltight** *(26 27 26 00-0323)*		
26 27 26 00-0325		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0324)*		
26 27 26 00-0326	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	508.74	100.78
26 27 26 00-0327		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0328	EA	Single Pole Water Resistant In Line Midget Fuseholder	106.63	
26 27 26 00-0329	EA	Double Pole Water Resistant In Line Midget Fuseholder	231.31	

26 27 33 Power Distriubtion Units *(26 27)*

26 27 33 00-0001		**Liebert Precision Power Center** *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	22,157.24	491.93
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,733.10	533.20
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,461.12	591.92
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	35,034.00	639.91
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	38,263.79	799.88
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,948.51	959.86
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,558.86	1,119.83
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	52,146.78	1,279.82
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	55,119.82	1,439.79
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	2,005.95	159.97
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,984.57	199.97
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,659.07	239.96
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	2,559.63	
		Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,919.72	

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13			**Fuses** *(26 28)*		
26 28 13 00-0001			125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*		
26 28 13 00-0002		EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	36.70	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0003		EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	35.81	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0004		EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	34.61	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0005		EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	34.44	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0006		EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	35.56	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0007		EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	33.37	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0008		EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	32.85	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0009		EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.56	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0010		EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.92	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0011		EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.15	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0012		EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.29	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0013			Class RK1, Time Delay Fuses *(26 28 13)*		
26 28 13 00-0014			250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0015		EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	57.76	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0016		EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	53.88	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0017		EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.59	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0018		EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.23	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0019		EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	53.53	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0020		EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.91	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0021		EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.63	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0022		EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.30	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0023		EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.65	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0024		EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.21	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0025		EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	65.46	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0026		EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.17	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0027		EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	65.14	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0028		EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.34	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0029		EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	63.17	11.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0030			250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031		EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.02	14.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0032		EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	117.38	14.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0033		EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	130.48	14.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0034		EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	116.35	14.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0035		EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	332.00	14.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0036		EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	242.71	14.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0037		EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	222.88	15.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0038		EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	234.78	15.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0039		EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	440.23	15.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0040		EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	473.58	19.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 28 13 00-0041		EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	509.16	19.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	392.43	19.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	873.97	19.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	827.07	23.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.84*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	645.09	23.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.84*	

26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	89.67	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	83.50	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	78.33	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	80.03	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	78.56	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	79.09	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.45	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.89	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.13	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.24	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	106.71	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	106.97	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	104.86	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	105.86	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	106.74	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	

26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	200.61	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	205.49	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	204.37	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	205.25	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	376.68	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	382.38	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	377.36	19.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	376.42	19.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	718.08	19.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.96*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	722.39	23.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.84*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	814.67	23.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.84*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	738.08	23.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.84*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,326.09	23.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.84*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,181.19	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,030.15	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	66.58	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	67.60	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	67.31	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	66.99	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	71.83	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	64.08	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	73.19	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	67.02	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	65.75	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	62.84	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	65.31	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.68*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	86.31	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	86.98	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	74.88	9.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	74.27	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	75.89	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	74.45	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	94.79	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	78.66	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	138.86	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	118.11	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	135.68	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	119.83	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	117.59	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	183.35	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	195.66	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	192.52	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	167.88	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	397.48	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	337.31	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	321.02	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	325.81	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	269.84	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	688.41	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	636.18	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	585.91	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	639.41	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	526.73	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,123.65	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	952.61	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	707.37	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,155.64	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,159.90	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,163.87	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,156.62	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,986.07	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,124.96	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,955.64	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,187.51	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,144.79	28.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.80*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,907.20	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,958.59	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,604.48	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,897.89	32.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,914.98	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,678.28	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,451.53	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,650.02	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,699.17	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,779.28	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,726.16	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,361.70	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.60*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,099.57	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,451.47	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,849.23	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,852.26	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,563.54	39.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,294.47	43.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,882.54	43.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,307.06	43.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,959.32	43.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,405.59	43.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,570.96	43.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	76.36	28.79
		For Bolt-On, Add	*20.74*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	76.36	28.79
		For Bolt-On, Add	*20.74*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	108.54	35.99
		For Bolt-On, Add	*27.57*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	157.62	35.99
		For Bolt-On, Add	*33.70*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	213.74	35.99
		For Bolt-On, Add	*40.72*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	245.74	35.99
		For Bolt-On, Add	*44.72*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	126.70	35.99
		For Bolt-On, Add	*29.84*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	124.53	43.20
		For Bolt-On, Add	*32.36*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	124.53	43.20
		For Bolt-On, Add	*32.36*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	185.08	57.59
		For Bolt-On, Add	*45.53*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	297.97	71.99
		For Bolt-On, Add	*65.24*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	349.17	79.99
		For Bolt-On, Add	*74.44*	
		For Installation In New Panelboard, Deduct	*-43.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	290.49	51.19
		For Bolt-On, Add	*56.47*	
		For Installation In New Panelboard, Deduct	*-28.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	382.29	51.19
		For Bolt-On, Add	*67.94*	
		For Installation In New Panelboard, Deduct	*-28.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	227.90	57.59
		For Bolt-On, Add	*50.88*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	227.90	57.59
		For Bolt-On, Add	*50.88*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	297.43	71.99
		For Bolt-On, Add	*65.17*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	441.70	86.39
		For Bolt-On, Add	*88.81*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	560.06	100.78
		For Bolt-On, Add	*109.20*	
		For Installation In New Panelboard, Deduct	*-55.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.19*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	105.44	28.79
		For Bolt-On, Add	*24.38*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	105.44	28.79
		For Bolt-On, Add	*24.38*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	182.87	35.99
		For Bolt-On, Add	*36.86*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	277.24	35.99
		For Bolt-On, Add	*48.65*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	201.10	43.20
		For Bolt-On, Add	*41.94*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.80*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	201.10	43.20
		For Bolt-On, Add	*41.94*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.80*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	386.22	57.59
		For Bolt-On, Add	*70.67*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	523.86	71.99
		For Bolt-On, Add	*93.48*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	760.32	79.99
		For Bolt-On, Add	*125.83*	
		For Installation In New Panelboard, Deduct	*-43.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	316.73	57.59
		For Bolt-On, Add	*61.99*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	316.73	57.59
		For Bolt-On, Add	*61.99*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	468.62	71.99
		For Bolt-On, Add	*86.57*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	660.99	86.39
		For Bolt-On, Add	*116.22*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,011.73	100.78
		For Bolt-On, Add	*165.66*	
		For Installation In New Panelboard, Deduct	*-55.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.19*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,164.57	107.98
		For Bolt-On, Add	*187.56*	
		For Installation In New Panelboard, Deduct	*-59.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,250.84	115.18
		For Bolt-On, Add	*201.15*	
		For Installation In New Panelboard, Deduct	*-63.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.79*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,475.18	122.38
		For Bolt-On, Add	*231.99*	
		For Installation In New Panelboard, Deduct	*-67.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.59*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	124.55	28.79
		For Bolt-On, Add	*26.77*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	124.55	28.79
		For Bolt-On, Add	*26.77*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	201.75	35.99
		For Bolt-On, Add	*39.22*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	250.89	43.20
		For Bolt-On, Add	*48.16*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	250.89	43.20
		For Bolt-On, Add	*48.16*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	433.98	57.59
		For Bolt-On, Add	*76.64*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,086.90	71.99
		For Bolt-On, Add	*163.86*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	398.92	57.59
		For Bolt-On, Add	*72.26*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	398.92	57.59
		For Bolt-On, Add	*72.26*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	528.45	71.99
		For Bolt-On, Add	*94.05*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,344.58	86.39
		For Bolt-On, Add	*201.67*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	140.78	28.79
		For Bolt-On, Add	*28.80*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	140.78	28.79
		For Bolt-On, Add	*28.80*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	166.64	35.99
		For Bolt-On, Add	*34.83*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	275.07	35.99
		For Bolt-On, Add	*48.38*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	293.23	43.20
		For Bolt-On, Add	*53.45*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	293.23	43.20
		For Bolt-On, Add	*53.45*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.28	57.59
		For Bolt-On, Add	*67.06*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	511.50	71.99
		For Bolt-On, Add	*91.93*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	657.12	79.99
		For Bolt-On, Add	*112.93*	
		For Installation In New Panelboard, Deduct	*-43.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	818.74	93.59
		For Bolt-On, Add	*138.74*	
		For Installation In New Panelboard, Deduct	*-51.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.39*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	885.60	107.98
		For Bolt-On, Add	*152.69*	
		For Installation In New Panelboard, Deduct	*-59.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.99	57.59
		For Bolt-On, Add	*67.15*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.99	57.59
		For Bolt-On, Add	*67.15*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	421.33	71.99
		For Bolt-On, Add	*80.66*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	632.96	86.39
		For Bolt-On, Add	*112.71*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	830.19	111.98
		For Bolt-On, Add	*147.17*	
		For Installation In New Panelboard, Deduct	*-61.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,023.06	129.59
		For Bolt-On, Add	*178.27*	
		For Installation In New Panelboard, Deduct	*-71.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,087.66	137.58
		For Bolt-On, Add	*189.15*	
		For Installation In New Panelboard, Deduct	*-75.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.19*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	303.80	43.20
		For Bolt-On, Add	*54.77*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	303.80	43.20
		For Bolt-On, Add	*54.77*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	459.53	57.59
		For Bolt-On, Add	*79.84*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	739.99	71.99
		For Bolt-On, Add	*120.49*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,146.09	89.59
		For Bolt-On, Add	*178.26*	
		For Installation In New Panelboard, Deduct	*-49.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.99*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,296.60	93.59
		For Bolt-On, Add	*198.47*	
		For Installation In New Panelboard, Deduct	*-51.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,418.48	107.98
		For Bolt-On, Add	*219.30*	
		For Installation In New Panelboard, Deduct	*-59.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	435.27	57.59
		For Bolt-On, Add	*76.81*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	435.27	57.59
		For Bolt-On, Add	*76.81*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	548.12	71.99
		For Bolt-On, Add	*96.51*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	919.61	86.39
		For Bolt-On, Add	*148.55*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,339.64	111.98
		For Bolt-On, Add	*210.85*	
		For Installation In New Panelboard, Deduct	*-61.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,581.74	129.59
		For Bolt-On, Add	*248.11*	
		For Installation In New Panelboard, Deduct	*-71.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,710.29	137.58
		For Bolt-On, Add	*266.98*	
		For Installation In New Panelboard, Deduct	*-75.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.19*	

26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	314.32	43.20
		For Bolt-On, Add	*56.09*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	314.32	43.20
		For Bolt-On, Add	*56.09*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	556.56	57.59
		For Bolt-On, Add	*91.97*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,009.05	71.99
		For Bolt-On, Add	*154.13*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,590.85	89.59
		For Bolt-On, Add	*233.85*	
		For Installation In New Panelboard, Deduct	*-49.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.99*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,808.13	93.59
		For Bolt-On, Add	*262.41*	
		For Installation In New Panelboard, Deduct	*-51.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.39*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	1,970.47	107.98
		For Bolt-On, Add	*288.30*	
		For Installation In New Panelboard, Deduct	*-59.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.99*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	508.05	57.59
		For Bolt-On, Add	*85.90*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	508.05	57.59
		For Bolt-On, Add	*85.90*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	674.27	71.99
		For Bolt-On, Add	*112.28*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,227.04	86.39
		For Bolt-On, Add	*186.97*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,550.98	111.98
		For Bolt-On, Add	*237.27*	
		For Installation In New Panelboard, Deduct	*-61.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,460.00	129.59
		For Bolt-On, Add	*357.89*	
		For Installation In New Panelboard, Deduct	*-71.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.39*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,619.62	137.58
		For Bolt-On, Add	*380.64*	
		For Installation In New Panelboard, Deduct	*-75.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.19*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	167.27	28.79
		For Bolt-On, Add	*32.11*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	167.27	28.79
		For Bolt-On, Add	*32.11*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	285.27	35.99
		For Bolt-On, Add	*49.66*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	357.36	43.20
		For Bolt-On, Add	*61.47*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	357.36	43.20
		For Bolt-On, Add	*61.47*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	645.63	57.59
		For Bolt-On, Add	*103.10*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,186.96	71.99
		For Bolt-On, Add	*176.36*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,293.53	89.59
		For Bolt-On, Add	*321.69*	
		For Installation In New Panelboard, Deduct	*-49.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.99*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	585.71	57.59
		For Bolt-On, Add	*95.61*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	585.71	57.59
		For Bolt-On, Add	*95.61*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	782.17	71.99
		For Bolt-On, Add	*125.77*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,461.55	86.39
		For Bolt-On, Add	*216.29*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,851.53	111.98
		For Bolt-On, Add	*399.83*	
		For Installation In New Panelboard, Deduct	*-61.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	241.89	28.79
		For Bolt-On, Add	*41.43*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	241.89	28.79
		For Bolt-On, Add	*41.43*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	364.63	35.99
		For Bolt-On, Add	*59.58*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.00*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	443.70	43.20
		For Bolt-On, Add	*72.26*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	443.70	43.20
		For Bolt-On, Add	*72.26*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	831.51	57.59
		For Bolt-On, Add	*126.34*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,502.33	71.99
		For Bolt-On, Add	*215.79*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,981.99	79.99
		For Bolt-On, Add	*403.54*	
		For Installation In New Panelboard, Deduct	*-43.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	758.73	57.59
		For Bolt-On, Add	*117.24*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	758.73	57.59
		For Bolt-On, Add	*117.24*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,049.49	71.99
		For Bolt-On, Add	*159.18*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,696.06	86.39
		For Bolt-On, Add	*245.60*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	3,765.59	111.98
		For Bolt-On, Add	*514.09*	
		For Installation In New Panelboard, Deduct	*-61.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	

26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	113.08	28.79
		For Bolt-On, Add	*25.33*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	234.32	43.20
		For Bolt-On, Add	*46.09*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	368.96	57.59
		For Bolt-On, Add	*68.52*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	229.10	28.79
		For Bolt-On, Add	*39.84*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	229.10	28.79
		For Bolt-On, Add	*39.84*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	456.29	57.59
		For Bolt-On, Add	*79.43*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	514.82	43.20
		For Bolt-On, Add	*81.15*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	514.82	43.20
		For Bolt-On, Add	*81.15*	
		For Installation In New Panelboard, Deduct	*-24.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	991.80	57.59
		For Bolt-On, Add	*146.37*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,680.23	71.99
		For Bolt-On, Add	*238.02*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,690.30	89.59
		For Bolt-On, Add	*496.28*	
		For Installation In New Panelboard, Deduct	*-49.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.99*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	860.47	57.59
		For Bolt-On, Add	*129.96*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	860.47	57.59
		For Bolt-On, Add	*129.96*	
		For Installation In New Panelboard, Deduct	*-32.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,197.19	71.99
		For Bolt-On, Add	*177.64*	
		For Installation In New Panelboard, Deduct	*-39.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,825.44	86.39
		For Bolt-On, Add	*261.77*	
		For Installation In New Panelboard, Deduct	*-47.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.59*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	4,588.72	111.98
		For Bolt-On, Add	*616.98*	
		For Installation In New Panelboard, Deduct	*-61.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.39*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*

Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	544.57	159.97
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	834.79	192.77
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,133.14	225.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,940.09	355.15
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,052.22	551.92
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,728.90	815.88
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,124.56	959.86
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,190.15	1,119.83
26 28 16 16-0013		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	805.16	177.74
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	971.33	214.21
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,512.30	250.36
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,245.03	395.14
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,809.22	613.03
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,478.99	906.11
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,961.28	1,065.93
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,899.19	1,244.30
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	783.33	251.16
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,140.84	333.55
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,507.83	370.35
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,382.98	579.92
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,859.17	951.86
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,825.75	1,333.41
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,005.14	277.56
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,283.75	370.35
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,844.95	416.74
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,724.29	635.11
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,927.30	1,025.45
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,477.23	1,481.38
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,865.13	1,759.74
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,911.45	1,999.70
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	761.76	251.16
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,112.96	333.55
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,457.11	370.35
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,452.73	579.92
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,252.28	951.86
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,417.15	1,333.41
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,740.94	1,679.76
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,889.88	1,919.72

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,084.30	277.56
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,381.02	370.35
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,987.18	416.74
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,937.21	635.11
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,381.56	1,025.45
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,279.51	1,481.38
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,197.11	1,759.74
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,350.27	1,999.70
26 28 16 16-0056		Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	530.92	231.48
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	815.28	322.03
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,105.10	370.35
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,734.10	592.56
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,446.14	987.54
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,566.94	1,346.68
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,873.38	1,599.77
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,334.89	1,867.09
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	586.38	255.48
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	922.34	361.39
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,247.27	411.46
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,936.96	644.07
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,707.39	1,058.09
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,156.49	1,481.22
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,687.60	1,599.77
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,449.94	1,867.09
26 28 16 16-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	627.58	207.97
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	949.74	289.56
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,259.71	333.55
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,982.74	533.52
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,902.92	888.67
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,209.35	1,211.82
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,444.24	1,439.79
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,536.98	1,679.76
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	685.66	229.57
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,046.84	325.55
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,376.13	370.35
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,140.92	579.92
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,181.68	951.86
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,722.13	1,333.41
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,982.50	1,439.79
26 28 16 16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	725.82	229.89
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,115.33	325.24
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,487.53	370.35
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,312.50	579.60
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,421.69	952.18
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,432.44	1,333.09
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,793.81	1,439.79
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,353.73	1,679.76
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,013.36	208.29
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,239.07	289.88
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,856.46	333.23
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,798.90	533.20
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,099.09	229.57
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,356.87	325.55
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,015.53	370.35
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,015.40	579.92
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,210.89	229.89
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,480.18	325.24
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,237.27	370.35
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,338.42	579.60
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	388.82	139.18
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	521.39	167.49
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	777.97	195.81
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,419.20	308.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,276.15	479.13
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,054.17	709.18
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	547.59	218.69
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	765.63	289.88
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,030.37	322.03
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,810.85	504.09
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,976.88	828.04
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,960.13	1,159.19
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	599.75	218.69
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	849.73	289.88
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,106.89	322.03
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,003.65	504.09
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,306.42	828.04
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,169.02	1,159.19
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	532.62	193.58
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	695.29	222.53
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,513.17	355.62
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,178.89	591.92
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,418.24	806.61
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	502.50	181.09
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	690.03	251.96
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,013.17	289.88
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,730.19	463.78
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,541.98	773.01
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,914.60	1,053.61
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	781.48	187.97
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,214.58	225.57
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,510.41	262.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,217.08	399.94
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,804.05	639.91
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,315.27	853.47
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,342.63	959.86
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,295.85	1,119.83

26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*

26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,316.57	250.52
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,571.18	307.15
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,197.60	352.75
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,108.80	529.04
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,654.02	865.63
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,080.18	1,190.39
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,613.13	1,370.68
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,415.50	1,542.98

26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*

26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,018.91	295.95
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,586.88	391.94
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,896.03	430.34
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,822.64	666.30
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,975.51	1,111.04
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,822.99	1,481.38

26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*

26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,519.57	350.83
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,817.52	430.02
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,401.44	493.69
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,497.56	740.69
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,230.03	1,211.98
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,856.33	1,666.48
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,028.06	1,919.72
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,526.78	2,159.69

26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*

26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,107.36	295.95
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,589.45	391.94
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,020.40	430.34
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,905.59	666.30
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,051.60	1,111.04
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,659.94	1,481.38
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,483.84	1,679.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,726.37	1,919.72
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,570.32	351.15
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,874.58	430.34
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,528.25	493.53
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,579.99	740.69
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,528.03	1,211.82
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,198.72	1,666.16
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,106.20	1,919.72
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,947.91	2,159.69
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	736.56	164.61
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,186.96	227.96
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,545.93	261.41
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,085.87	423.29
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,553.27	706.13
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,170.36	941.47
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,993.37	1,120.31
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,076.66	1,280.30
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	827.78	181.42
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,343.47	253.89
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,742.37	286.68
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,305.28	444.42
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,144.20	740.69
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,810.13	987.54
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,848.93	1,173.59
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,193.13	1,333.09
26 28 16 16-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	901.14	246.84
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,414.85	341.87
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,807.33	392.10
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,509.09	634.95
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,323.07	1,059.05
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,236.59	1,411.80
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,252.99	1,679.76
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,753.57	1,919.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	980.63	271.96
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,545.20	380.91
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,956.30	430.02
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,661.10	666.62
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,655.55	1,110.88
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,832.68	1,481.22
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,190.76	1,759.74
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,976.21	1,999.70
26 28 16 16-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	577.15	271.96
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,597.39	380.91
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,029.07	430.02
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,749.66	666.62
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,884.84	1,110.88
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,797.64	1,481.22
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,171.13	1,759.74
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,949.50	1,999.70
26 28 16 16-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
		Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	496.69	163.50
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	687.49	196.13
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	892.84	228.12
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,784.75	347.79
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,252.87	556.40
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,444.09	742.29
26 28 16 16-0260		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	685.65	257.73
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	977.49	340.91
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,183.95	374.03
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,249.54	579.60
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,074.18	965.94
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,546.86	1,288.46
26 28 16 16-0267		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	758.73	257.57
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,050.94	340.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,420.08	374.03
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,401.98	579.60
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,172.11	966.10
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,310.58	1,288.46
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,158.73	1,459.63
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	446.50	143.18
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	716.87	198.21
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	760.81	227.33
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,825.84	367.94
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,368.61	613.99
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,600.11	818.60
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	695.24	214.69
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	996.32	297.24
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,422.55	340.91
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,432.63	552.08
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,945.26	159.97
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,336.98	192.77
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,703.48	225.25
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,522.25	355.47
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,194.14	551.60
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,974.22	815.56
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,458.92	177.74
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,740.72	214.05
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,087.94	250.21
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,206.60	395.14
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,717.71	613.35
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,679.39	906.11
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,213.41	251.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,781.14	333.23
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,203.96	370.35
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,417.94	579.60
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,395.38	952.18
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,533.52	1,333.09
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,665.46	277.72
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,060.35	370.35
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,434.90	416.58
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,705.87	634.78
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,882.85	1,025.45
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,186.10	1,481.22
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,626.97	251.48
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,298.15	333.23
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,238.48	370.35
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,832.60	579.60
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,179.62	952.18
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	24,359.74	1,333.09
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,154.14	277.72
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,614.50	370.35
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,490.88	416.58
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,132.36	634.78
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,704.65	1,025.45
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,064.48	1,481.22
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,868.94	159.97
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,285.66	222.53
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,239.30	255.96
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,902.71	408.90
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,721.54	680.86
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,337.34	927.54
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,123.34	176.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,602.41	249.57
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,828.64	284.43
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,700.19	444.42
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,159.77	731.42
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,456.20	1,023.85
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,965.60	208.29
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,390.85	289.88
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,507.06	333.23
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,793.85	533.20
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,862.36	888.83
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,350.18	1,211.98
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,229.98	229.89
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,753.73	325.24
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,000.44	370.35
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,970.49	579.60
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,837.81	952.18
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,582.04	1,333.09
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,672.63	208.29
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,220.15	289.88
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,122.97	333.23
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,875.63	533.20
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,038.01	229.89
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,668.05	325.24
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,119.37	370.35
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,369.67	579.60
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,537.07	277.56
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,052.58	370.35
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,188.08	416.74
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,392.02	635.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,300.51	229.57
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,807.53	325.55
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,786.05	370.35
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,253.73	579.92
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,029.12	277.56
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,603.18	370.35
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,229.34	416.74
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,766.07	229.57
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,328.86	325.55
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,785.49	370.35
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,225.36	319.95
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,649.64	380.91
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,050.33	430.02
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,499.84	666.62
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,556.33	380.91
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,985.58	430.02
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,440.78	666.62
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	749.20	159.97
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	972.14	192.77
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,311.99	225.57
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,203.39	355.15
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,622.28	551.92
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,275.97	815.88
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,148.07	177.58
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,195.64	214.37
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,699.83	250.36
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,660.85	395.14

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26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,709.57	612.71
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,175.63	906.27
26 28 16 16-0417		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,052.51	251.16
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,452.12	333.55
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,949.70	370.35
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,909.17	579.92
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,639.05	951.86
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,977.70	1,333.41
26 28 16 16-0424		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,379.76	277.56
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,583.92	370.35
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,285.18	416.74
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,336.68	635.11
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,876.13	1,025.45
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,765.01	1,481.38
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,118.12	251.16
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,497.19	333.55
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,091.17	370.35
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,086.79	579.92
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,114.61	951.86
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,298.98	1,333.41
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,455.83	277.56
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,786.83	370.35
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,424.70	416.74
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,602.97	635.11
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,307.28	1,025.45
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,120.07	1,481.38
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	781.13	231.17
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,039.82	322.35
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,364.01	370.35
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,961.88	592.71
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,232.48	987.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,645.57	1,347.00
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	870.01	255.16
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,156.47	361.55
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,519.92	411.14
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,131.68	643.91
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,485.50	1,058.25
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,342.17	1,481.38
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,006.85	207.97
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,330.32	289.56
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,752.50	333.55
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,522.05	533.52
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,228.70	888.67
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,183.02	1,211.82
26 28 16 16-0467		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	994.85	229.57
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,442.88	325.55
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,881.93	370.35
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,509.79	579.92
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,271.32	951.86
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,704.29	1,333.41
26 28 16 16-0474		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,194.55	207.97
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,437.07	289.56
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,189.80	333.55
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,474.14	533.52
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,182.26	679.90
26 28 16 16-0480		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,245.94	229.57
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,569.70	325.55
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,344.79	370.35
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,581.33	579.92
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,638.72	895.87
26 28 16 16-0486		**Double Throw Safety Switches** *(26 28 16 16-0001)*		
26 28 16 16-0487		**NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0488		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	942.33	205.57
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,378.60	268.77
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,923.84	351.15
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,561.00	456.74
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,977.49	571.11
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,827.63	915.87
26 28 16 16-0495		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0496	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,199.95	287.95
26 28 16 16-0497	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,665.07	375.94
26 28 16 16-0498	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,477.89	491.93
26 28 16 16-0499	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,607.17	639.91
26 28 16 16-0500	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,241.68	799.88
26 28 16 16-0501	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,563.67	1,279.82
26 28 16 16-0502		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0503	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,585.74	359.94
26 28 16 16-0504	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,286.57	470.33
26 28 16 16-0505	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,974.10	614.31
26 28 16 16-0506	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,427.54	798.29
26 28 16 16-0507	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,706.33	999.85
26 28 16 16-0508	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,674.05	1,602.16
26 28 16 16-0509		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0510	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,576.42	268.77
26 28 16 16-0511	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,350.18	351.15
26 28 16 16-0512	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,441.26	456.74
26 28 16 16-0513	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,923.36	571.11
26 28 16 16-0514	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,739.44	915.87
26 28 16 16-0515		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0516	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,790.56	375.94
26 28 16 16-0517	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,630.97	491.93
26 28 16 16-0518	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,806.04	639.91
26 28 16 16-0519	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,380.50	799.88
26 28 16 16-0520	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,469.40	1,279.82
26 28 16 16-0521		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0522	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,410.50	470.33
26 28 16 16-0523	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,152.88	614.31
26 28 16 16-0524	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,797.83	798.29
26 28 16 16-0525	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,494.70	999.85
26 28 16 16-0526	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,556.06	1,602.16
26 28 16 16-0527		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0528		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0527)*		
26 28 16 16-0529	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,372.16	351.15
26 28 16 16-0530	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,312.72	456.74
26 28 16 16-0531	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,062.44	571.11
26 28 16 16-0532	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	29,361.80	915.87
26 28 16 16-0533		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0527)*		
26 28 16 16-0534	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,120.78	491.12
26 28 16 16-0535	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,981.92	639.11
26 28 16 16-0536	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,669.59	799.88
26 28 16 16-0537	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,353.80	1,282.21
26 28 16 16-0538		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0527)*		
26 28 16 16-0539	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,966.37	360.10
26 28 16 16-0540	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,687.14	470.01
26 28 16 16-0541	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,153.32	614.15
26 28 16 16-0542	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,420.37	798.61
26 28 16 16-0543	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,468.25	999.85
26 28 16 16-0544	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,703.69	1,602.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0545		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0546	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,001.21	268.77
26 28 16 16-0547	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,024.72	351.15
26 28 16 16-0548	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,439.50	456.74
26 28 16 16-0549	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,353.86	571.11
26 28 16 16-0550	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,892.95	915.87
26 28 16 16-0551		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0552	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,293.42	375.94
26 28 16 16-0553	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,428.03	491.12
26 28 16 16-0554	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,042.45	639.11
26 28 16 16-0555	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,295.85	799.88
26 28 16 16-0556	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,256.88	1,282.21
26 28 16 16-0557		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0558	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,715.81	470.01
26 28 16 16-0559	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,166.47	614.15
26 28 16 16-0560	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,602.94	798.61
26 28 16 16-0561	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,446.69	999.85
26 28 16 16-0562	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,822.51	1,602.33
26 28 16 16-0563		**NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0564		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0565	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,343.63	205.73
26 28 16 16-0566	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,667.69	268.60
26 28 16 16-0567	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,035.82	350.99
26 28 16 16-0568	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,163.99	456.42
26 28 16 16-0569	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,676.98	571.28
26 28 16 16-0570	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,287.48	915.55
26 28 16 16-0571		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0572	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,712.15	287.95
26 28 16 16-0573	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,220.85	375.94
26 28 16 16-0574	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,838.82	491.12
26 28 16 16-0575	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,335.27	639.11
26 28 16 16-0576	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,590.76	799.88
26 28 16 16-0577	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,755.72	1,282.21
26 28 16 16-0578		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0579	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,026.12	360.10
26 28 16 16-0580	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,728.39	470.01
26 28 16 16-0581	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,471.71	614.15
26 28 16 16-0582	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,779.24	798.61
26 28 16 16-0583	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,075.71	999.85
26 28 16 16-0584	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,104.89	1,602.33
26 28 16 16-0585		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,487.99	268.60
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,692.93	350.99
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,925.11	456.42
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,961.35	571.28
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,430.50	915.55
26 28 16 16-0591		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,858.15	375.94
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,131.29	491.12
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,606.01	639.11
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,882.31	799.88
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,769.60	1,282.21
26 28 16 16-0597		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0598	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,775.12	470.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0599	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,816.44	614.15
26 28 16 16-0600	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,982.43	798.61
26 28 16 16-0601	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,513.06	999.85
26 28 16 16-0602	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,684.60	1,602.33
26 28 16 16-0603		Removal And Reinstallation Of Disconnect (Safety) Switches *(26 28 16 16-0001)*		
		Note: Includes storage and cleaning.		
26 28 16 16-0604	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	799.88	
26 28 16 16-0605	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	1,039.89	
26 28 16 16-0606	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	1,159.92	
26 28 16 16-0607	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,359.89	
26 28 16 16-0608		Bolted Contact Switches *(26 28 16 16)*		
		Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0609		Electrical Trip, Bolted Contact Switches *(26 28 16 16-0608)*		
26 28 16 16-0610		Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0609)*		
26 28 16 16-0611	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	11,092.84	1,599.77
26 28 16 16-0612	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	12,071.41	1,919.72
26 28 16 16-0613	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	13,186.72	2,239.68
26 28 16 16-0614	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,989.45	2,559.63
26 28 16 16-0615	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	15,795.12	2,879.58
26 28 16 16-0616	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	19,671.80	3,199.54
26 28 16 16-0617	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	26,357.09	3,839.45
26 28 16 16-0618		Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0609)*		
26 28 16 16-0619	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,724.57	1,599.77
26 28 16 16-0620	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,826.87	1,919.72
26 28 16 16-0621	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	13,935.67	2,239.68
26 28 16 16-0622	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	15,064.03	2,559.63
26 28 16 16-0623	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	16,954.36	2,879.58
26 28 16 16-0624	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	21,847.02	3,199.54
26 28 16 16-0625	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	28,623.48	3,839.45
26 28 16 16-0626		Manually Operated, Bolted Contact Switches *(26 28 16 16-0608)*		
26 28 16 16-0627		Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0626)*		
26 28 16 16-0628	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	8,253.34	1,599.77
26 28 16 16-0629	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	9,265.77	1,919.72
26 28 16 16-0630	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	10,331.58	2,239.68
26 28 16 16-0631	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	11,389.61	2,559.63
26 28 16 16-0632	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	12,512.75	2,879.58
26 28 16 16-0633	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	16,389.44	3,199.54
26 28 16 16-0634	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	22,996.57	3,839.45
26 28 16 16-0635		Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0626)*		
26 28 16 16-0636	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	8,671.45	1,599.77
26 28 16 16-0637	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	9,897.49	1,919.72
26 28 16 16-0638	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	10,943.77	2,239.68
26 28 16 16-0639	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	12,198.47	2,559.63
26 28 16 16-0640	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	13,528.72	2,879.58
26 28 16 16-0641	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	18,401.84	3,199.54
26 28 16 16-0642	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	25,106.66	3,839.45

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001		Manual Motor Starters *(26 29 13 13)*		
26 29 13 13-0002		Fractional HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	279.99	80.14
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	366.50	104.17
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	313.39	80.14
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	399.91	104.17
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	294.46	80.14
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	385.43	104.17
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	572.62	96.16
		For Pilot Light, Add	*128.06*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	662.47	120.20
		For Pilot Light, Add	*128.06*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	606.02	96.16
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	692.53	120.20

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	231.19	80.14
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	368.46	104.17
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	260.11	88.15
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	398.45	112.19
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	262.35	80.14
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	400.69	104.17
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	529.72	96.16
		For Pilot Light, Add	*122.49*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	655.16	120.20
		For Pilot Light, Add	*122.49*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	559.72	104.17
		For Pilot Light, Add	*122.49*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	681.93	128.22
		For Pilot Light, Add	*122.49*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	559.80	96.16
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	693.84	120.20
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	168.06	56.09
		For Pilot Light, Add	*77.36*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	305.32	80.14
		For Pilot Light, Add	*77.36*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	196.99	64.11
		For Pilot Light, Add	*77.36*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	334.25	88.15
		For Pilot Light, Add	*77.36*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	596.87	144.25
		For Pilot Light, Add	*124.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	858.51	192.33
		For Pilot Light, Add	*124.64*	
26 29 13 13-0033		**Two Speed Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	596.87	144.25
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	858.51	192.33
26 29 13 13-0036		**Non-Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	534.21	96.16
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	534.21	96.16
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	1,074.04	112.19
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	1,074.04	112.19
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,390.29	112.19
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	676.50	112.19
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	452.72	72.12
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	630.42	104.17
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	630.42	104.17
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,280.49	120.20
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,280.49	120.20
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,621.23	120.20
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	772.71	120.20
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	548.92	80.14
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	819.04	112.19
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	819.04	112.19
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,517.00	128.22
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,517.00	128.22
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,843.27	128.22
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	964.68	128.22
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	740.89	88.15
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	661.92	120.20
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	661.92	120.20
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,201.76	136.23
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,201.76	136.23
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,526.92	136.23
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	805.33	136.23
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	583.77	96.16
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	758.12	128.22
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	758.12	128.22
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,408.20	144.25
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,408.20	144.25
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,756.74	144.25
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	900.42	144.25
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	676.64	104.17
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,504.17	168.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,504.17	168.28
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,313.35	120.20
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,773.41	184.31
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,582.59	136.23
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,504.17	168.28
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,313.35	120.20
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,773.41	184.31
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,582.59	136.23
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non-Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	640.14	160.27
		For Factory Installed Accessory, Deduct	*-320.55*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	718.96	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	686.91	160.27
		For Factory Installed Accessory, Deduct	*-320.55*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	766.84	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	845.67	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	1,067.66	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,338.66	288.49
		For Factory Installed Accessory, Deduct	*-576.99*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	796.91	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	875.74	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	956.78	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,227.98	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,497.86	328.56
		For Factory Installed Accessory, Deduct	*-657.13*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,305.57	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,462.97	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,909.44	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,939.57	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,227.91	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,831.37	400.69
		For Factory Installed Accessory, Deduct	*-801.36*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	4,007.20	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,322.41	400.69
		For Factory Installed Accessory, Deduct	*-801.36*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,768.87	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,419.08	560.96
		For Factory Installed Accessory, Deduct	*-1,121.91*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,591.70	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,579.27	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	24,571.82	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	35,209.12	1,442.46
		For Factory Installed Accessory, Deduct	*-2,884.93*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	674.66	160.27
		For Factory Installed Accessory, Deduct	*-320.55*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	753.48	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	721.43	160.27
		For Factory Installed Accessory, Deduct	*-320.55*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	802.48	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	881.30	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	1,105.52	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,377.63	288.49
		For Factory Installed Accessory, Deduct	*-576.99*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	833.65	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	914.71	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	993.53	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,265.84	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,534.61	328.56
		For Factory Installed Accessory, Deduct	*-657.13*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,470.37	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,628.89	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	2,074.24	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,263.62	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,550.84	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	3,155.41	400.69
		For Factory Installed Accessory, Deduct	*-801.36*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,993.88	400.69
		For Factory Installed Accessory, Deduct	*-801.36*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,440.35	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,803.06	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,953.62	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	40,606.50	1,442.46
		For Factory Installed Accessory, Deduct	*-2,884.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0136		**NEMA 12, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	992.89	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	1,071.72	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,183.95	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,817.80	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,977.43	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,675.63	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,961.74	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,804.45	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	14,294.05	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	34,234.11	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	
26 29 13 13-0147		**NEMA 4/4X, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,436.97	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,485.96	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,564.78	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,837.09	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,771.40	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	4,167.72	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	8,200.84	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	14,294.05	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,882.11	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	
26 29 13 13-0157		**NEMA 7/9, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,817.93	256.44
		For Factory Installed Accessory, Deduct	*-512.88*	
26 29 13 13-0159		**Non-Reversing, Magnetic Starters** *(26 29 13 13-0083)*		
26 29 13 13-0160		**Open Enclosure, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	750.38	160.27
		For Factory Installed Accessory, Deduct	*-320.55*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	782.43	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	837.00	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	924.73	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,477.85	288.49
		For Factory Installed Accessory, Deduct	*-576.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	949.23	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,107.11	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,153.88	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,406.90	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,606.62	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,465.10	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	5,134.12	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,473.42	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	26,149.73	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	37,694.57	1,442.46
		For Factory Installed Accessory, Deduct	*-2,884.93*	

26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	787.13	160.27
		For Factory Installed Accessory, Deduct	*-320.55*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	819.18	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	873.74	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	961.48	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	984.86	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	1,073.71	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,191.74	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,572.82	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,772.54	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,789.14	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,805.59	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,700.55	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	1,064.16	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,151.90	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,175.28	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,264.12	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,382.16	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,921.36	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,119.97	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,200.04	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	7,168.58	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	16,188.20	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	38,366.51	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	1,064.16	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,151.90	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,175.28	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,264.12	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,382.16	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,921.36	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	2,119.97	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	3,200.04	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	7,168.58	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,939.07	272.47
		For Factory Installed Accessory, Deduct	*-544.93*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,587.15	272.47
		For Factory Installed Accessory, Deduct	*-544.93*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,699.39	288.49
		For Factory Installed Accessory, Deduct	*-576.99*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,682.15	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,857.97	400.69
		For Factory Installed Accessory, Deduct	*-801.36*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,896.67	560.96
		For Factory Installed Accessory, Deduct	*-1,121.91*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,428.29	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,517.14	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,556.12	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,644.96	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,762.99	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,713.10	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,404.91	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,563.86	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,870.74	641.10
		For Factory Installed Accessory, Deduct	*-1,282.19*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,915.04	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,346.97	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,465.81	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,841.32	256.44
		For Factory Installed Accessory, Deduct	*-512.88*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,939.07	272.47
		For Factory Installed Accessory, Deduct	*-544.93*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,979.15	272.47
		For Factory Installed Accessory, Deduct	*-544.93*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	3,072.46	288.49
		For Factory Installed Accessory, Deduct	*-576.99*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	3,208.31	288.49
		For Factory Installed Accessory, Deduct	*-576.99*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,675.50	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,377.71	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,447.86	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,600.18	224.38
		For Factory Installed Accessory, Deduct	*-448.77*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,663.41	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,702.39	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,821.30	256.44
		For Factory Installed Accessory, Deduct	*-512.88*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,902.79	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,942.88	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,256.83	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,306.72	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	12,054.61	721.24
		For Factory Installed Accessory, Deduct	*-1,442.46*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	22,311.31	961.64
		For Factory Installed Accessory, Deduct	*-1,923.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	71,731.09	1,763.01
		For Factory Installed Accessory, Deduct	*-3,526.03*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,412.47	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,477.93	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,518.01	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,667.00	224.38
		For Factory Installed Accessory, Deduct	*-448.77*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,732.45	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,772.54	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,921.52	256.44
		For Factory Installed Accessory, Deduct	*-512.88*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	2,003.01	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	2,043.10	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,517.40	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,757.71	480.82
		For Factory Installed Accessory, Deduct	*-961.64*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,883.09	721.24
		For Factory Installed Accessory, Deduct	*-1,442.46*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	2,017.52	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	2,057.61	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,328.17	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,994.01	320.55
		For Factory Installed Accessory, Deduct	*-641.10*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,500.80	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,937.08	256.44
		For Factory Installed Accessory, Deduct	*-512.88*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	187.36	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	313.08	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	187.36	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	313.08	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	313.08	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	157.77	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	141.27	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	187.36	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	157.77	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	210.22	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	232.69	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	396.50	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	420.63	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	503.55	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	873.08	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	873.08	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	57.19	12.02
		For Factory Installed Accessory, Deduct	*-24.04*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	113.33	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	149.27	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	118.79	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	66.34	12.02
		For Factory Installed Accessory, Deduct	*-24.04*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	42.21	12.02
		For Factory Installed Accessory, Deduct	*-24.04*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	203.49	16.03
		For Factory Installed Accessory, Deduct	*-32.06*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	348.63	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	715.38	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	714.27	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	773.05	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	755.47	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	820.93	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	791.11	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	925.13	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	1,017.55	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,271.41	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	722.30	176.30
		For Factory Installed Accessory, Deduct	*-352.60*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	781.08	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	778.86	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	840.97	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	821.17	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	887.74	208.36
		For Factory Installed Accessory, Deduct	*-416.71*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	859.03	192.33
		For Factory Installed Accessory, Deduct	*-384.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	991.94	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	1,081.02	240.41
		For Factory Installed Accessory, Deduct	*-480.82*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,335.99	280.48
		For Factory Installed Accessory, Deduct	*-560.96*	
26 29 13 13-0322		**Definite Purpose Starter Accessory** *(26 29 13 13-0300)*		
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	210.22	20.04
		For Factory Installed Accessory, Deduct	*-40.06*	
26 29 13 13-0324		**Panel Mounted Miniature Contactor** *(26 29 13 13)*		
26 29 13 13-0325		**Non-Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	223.74	80.14
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	259.82	88.15
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	259.82	88.15
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	288.10	96.16
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	243.79	80.14
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	254.92	80.14
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	278.75	88.15
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	289.88	88.15
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	285.43	88.15
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	289.88	88.15
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	310.37	96.16
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	296.56	88.15
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	321.50	96.16
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	298.79	88.15
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	298.79	88.15
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	332.64	96.16
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	332.64	96.16
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	305.03	80.14
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	327.30	80.14
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	362.26	88.15
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	362.26	88.15
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	384.53	88.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	405.02	96.16
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	405.02	96.16
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	346.23	80.14
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	368.50	80.14
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	401.24	88.15
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	423.51	88.15
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	450.67	96.16
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	472.95	96.16
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	388.99	88.15
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	441.33	88.15
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	497.44	96.16

26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	97.62	40.06
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	106.22	40.06
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	121.79	40.06
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	152.76	40.06

26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	8,071.42	767.89
		For NEMA 4, Add	*812.88*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,929.20	1,023.85
		For NEMA 4, Add	*1,484.78*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	24,103.46	1,215.82
		For NEMA 4, Add	*2,709.95*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	58,069.61	1,487.79
		For NEMA 4, Add	*6,888.39*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	92,425.37	1,903.72
		For NEMA 4, Add	*11,077.05*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	8,017.25	784.21
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,830.27	1,025.45
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,922.88	1,211.98
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	57,610.60	1,481.22
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	91,687.25	1,904.52

26 29 13 13-0378 Factory Modifications Pilot Devices *(26 29 13 13-0365)*

26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	191.52	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	211.22	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	359.54	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	195.35	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	280.89	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	140.44	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	458.40	

26 29 13 13-0386 Factory Modifications Meters *(26 29 13 13-0365)*

26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,842.64	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,779.73	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	629.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	521.35	

26 29 13 13-0391 Factory Modifications Main Circuit Breakers *(26 29 13 13-0365)*

26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,435.31	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,453.89	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,473.85	

26 29 13 13-0395 Factory Modifications Addition *(26 29 13 13-0365)*

Note: For reversing service auto transformer type.

26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	

26 29 13 13-0400 Combination Starters Non-Reversing *(26 29 13 13)*

26 29 13 13-0401 240-600 Volt, 3-Pole *(26 29 13 13-0400)*

26 29 13 13-0402 NEMA 1 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,025.35	367.94
		For Electronic Overloads, Add	*244.10*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,514.56	575.92
		For Electronic Overloads, Add	*257.51*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,479.04	671.90
		For Electronic Overloads, Add	*407.72*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,238.23	831.88
		For Electronic Overloads, Add	*678.64*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,555.76	1,327.81
		For Electronic Overloads, Add	*1,309.00*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,801.23	1,663.76
		For Electronic Overloads, Add	*2,938.99*	

26 29 13 13-0409 NEMA 1 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,533.59	367.94
		For Electronic Overloads, Add	*340.66*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,022.80	575.92
		For Electronic Overloads, Add	*354.07*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,973.16	671.90
		For Electronic Overloads, Add	*501.60*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,506.47	831.88
		For Electronic Overloads, Add	*729.61*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,094.59	1,327.81
		For Electronic Overloads, Add	*1,601.38*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,881.27	1,663.76
		For Electronic Overloads, Add	*3,714.20*	

26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	231.45	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	375.19	

26 29 13 13-0420 NEMA 4 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,627.53	479.93
		For Electronic Overloads, Add	*501.60*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,043.75	671.90
		For Electronic Overloads, Add	*515.02*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,716.59	735.89
		For Electronic Overloads, Add	*804.71*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,991.70	895.87
		For Electronic Overloads, Add	*1,370.69*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	14,214.62	1,327.81
		For Electronic Overloads, Add	*2,194.18*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	30,688.40	1,663.76
		For Electronic Overloads, Add	*5,197.55*	

26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,135.77	479.93
		For Electronic Overloads, Add	*598.17*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,551.99	671.90
		For Electronic Overloads, Add	*611.58*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,210.72	735.89
		For Electronic Overloads, Add	*898.60*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,259.94	895.87
		For Electronic Overloads, Add	*1,421.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,753.46	1,327.81
		For Electronic Overloads, Add	*2,486.56*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	29,093.09	1,663.76
		For Electronic Overloads, Add	*4,894.45*	
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	231.48	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	375.19	
26 29 13 13-0438		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,089.58	370.35
		For Electronic Overloads, Add	*256.30*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,582.32	579.60
		For Electronic Overloads, Add	*270.38*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,586.33	666.62
		For Electronic Overloads, Add	*428.11*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,416.81	833.16
		For Electronic Overloads, Add	*712.57*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,900.22	1,333.25
		For Electronic Overloads, Add	*1,374.45*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	19,574.63	1,666.32
		For Electronic Overloads, Add	*3,085.94*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,696.46	370.35
		For Electronic Overloads, Add	*371.61*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,192.08	579.60
		For Electronic Overloads, Add	*386.24*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,212.98	666.62
		For Electronic Overloads, Add	*547.17*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,855.28	833.16
		For Electronic Overloads, Add	*795.88*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,860.20	1,333.25
		For Electronic Overloads, Add	*1,746.84*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	24,657.00	1,666.32
		For Electronic Overloads, Add	*4,051.59*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	229.55	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	539.10	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	372.06	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,680.05	767.89
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,335.43	1,023.85
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,979.99	1,407.80
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,317.79	1,919.72
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,483.32	2,687.61
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,518.48	479.93
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,966.63	671.90
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,211.72	735.89
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,302.09	895.87
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	12,142.58	1,327.81
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,786.64	479.93
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,252.88	671.90
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,546.82	735.89
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,840.74	895.87
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,048.98	1,327.81
26 29 13 13-0480		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,674.42	493.85
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,133.01	666.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,489.83	740.69
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,762.94	888.83
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	13,107.80	1,333.25
26 29 13 13-0486		NEMA 12 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,969.90	493.85
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,448.42	666.62
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,859.07	740.69
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,254.61	888.83
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	14,106.52	1,333.25
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,702.96	1,023.85
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,180.42	1,279.82
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,834.55	1,663.76
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,917.41	2,175.69
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	25,102.99	2,943.57
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,966.64	287.95
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,341.88	287.95
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)*		
		Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	1,142.69	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	612.10	159.97
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	612.10	159.97
26 29 13 13-0507	EA	Pilot Light Kit	641.58	159.97
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)*		
		Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,437.64	572.79
		For 6-Pulse Drive Package, Deduct	*-710.56*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,733.56	626.02
		For 6-Pulse Drive Package, Deduct	*-818.03*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	3,158.27	688.35
		For 6-Pulse Drive Package, Deduct	*-979.86*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,296.84	661.66
		For 6-Pulse Drive Package, Deduct	*-1,085.44*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,540.44	721.39
		For 6-Pulse Drive Package, Deduct	*-1,153.71*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,799.05	721.39
		For 6-Pulse Drive Package, Deduct	*-1,295.95*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,538.71	861.34
		For 6-Pulse Drive Package, Deduct	*-1,548.82*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,912.26	861.34
		For 6-Pulse Drive Package, Deduct	*-1,754.27*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,559.25	1,296.91
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,593.71	1,296.91
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	9,336.18	1,722.82
		For 6-Pulse Drive Package, Deduct	*-3,239.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,629.25	1,722.82
		For 6-Pulse Drive Package, Deduct	*-3,951.06*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,749.92	1,722.82
		For 6-Pulse Drive Package, Deduct	*-4,567.43*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	15,447.30	2,177.88
		For 6-Pulse Drive Package, Deduct	*-6,100.44*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	18,600.72	2,576.38
		For 6-Pulse Drive Package, Deduct	*-7,396.39*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,899.52	2,576.38
		For 6-Pulse Drive Package, Deduct	*-8,660.73*	
26 29 23 00-0018		460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)*		
		Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive	5,624.30	1,030.57
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-1,959.73*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive	5,796.71	1,030.57
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-2,054.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,392.45	1,227.95
		For 6-Pulse Drive Package, Deduct	*-2,165.19*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,421.18	1,227.95
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,723.13	1,861.62
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	9,125.42	1,861.62
		For 6-Pulse Drive Package, Deduct	*-2,971.20*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,089.68	2,455.90
		For 6-Pulse Drive Package, Deduct	*-3,397.91*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	12,526.44	2,455.90
		For 6-Pulse Drive Package, Deduct	*-4,188.13*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	14,020.66	2,455.90
		For 6-Pulse Drive Package, Deduct	*-5,009.95*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	18,307.71	3,119.58
		For 6-Pulse Drive Package, Deduct	*-6,637.79*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	24,180.10	3,699.43
		For 6-Pulse Drive Package, Deduct	*-9,229.68*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	25,559.38	3,699.43
		For 6-Pulse Drive Package, Deduct	*-9,988.29*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	29,508.37	4,122.31
		For 6-Pulse Drive Package, Deduct	*-11,695.15*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	31,002.59	4,122.31
		For 6-Pulse Drive Package, Deduct	*-12,516.97*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	34,105.97	4,122.31
		For 6-Pulse Drive Package, Deduct	*-14,223.83*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	39,489.85	4,975.14
		For 6-Pulse Drive Package, Deduct	*-16,246.77*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	48,880.87	5,197.18
		For 6-Pulse Drive Package, Deduct	*-21,167.58*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	57,259.52	5,963.59
		For 6-Pulse Drive Package, Deduct	*-24,932.79*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	65,668.85	6,467.69
		For 6-Pulse Drive Package, Deduct	*-29,003.33*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	75,843.06	6,983.78
		For 6-Pulse Drive Package, Deduct	*-34,031.61*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	81,764.37	7,573.15
		For 6-Pulse Drive Package, Deduct	*-36,639.94*	

26 30 Facility Electrical Power Generating and Storing Equipment

(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,322.63	151.98
		For >25 To 50, Deduct	*-166.60*	
		For >50 To 100, Deduct	*-224.66*	
		For >100, Deduct	*-333.20*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,432.05	151.98
		For >25 To 50, Deduct	*-174.81*	
		For >50 To 100, Deduct	*-235.61*	
		For >100, Deduct	*-349.61*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,279.70	151.98
		For >25 To 50, Deduct	*-163.38*	
		For >50 To 100, Deduct	*-220.37*	
		For >100, Deduct	*-326.76*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,829.90	151.98
		For >25 To 50, Deduct	*-129.64*	
		For >50 To 100, Deduct	*-175.39*	
		For >100, Deduct	*-259.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	2,074.15	151.98
		For >25 To 50, Deduct	*-147.96*	
		For >50 To 100, Deduct	*-199.82*	
		For >100, Deduct	*-295.93*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,112.84	151.98
		For >25 To 50, Deduct	*-150.86*	
		For >50 To 100, Deduct	*-203.69*	
		For >100, Deduct	*-301.73*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,991.92	151.98
		For >25 To 50, Deduct	*-141.80*	
		For >50 To 100, Deduct	*-191.59*	
		For >100, Deduct	*-283.59*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	930.17	151.98
		For >25 To 50, Deduct	*-62.16*	
		For >50 To 100, Deduct	*-85.42*	
		For >100, Deduct	*-124.33*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,135.72	151.98
		For >25 To 50, Deduct	*-77.58*	
		For >50 To 100, Deduct	*-105.97*	
		For >100, Deduct	*-155.16*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,217.95	151.98
		For >25 To 50, Deduct	*-83.75*	
		For >50 To 100, Deduct	*-114.20*	
		For >100, Deduct	*-167.50*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,461.48	159.97
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,185.61	159.97
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,581.72	159.97
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,470.45	159.97
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,379.29	159.97
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,543.15	159.97
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,726.19	319.95
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	16,075.80	319.95
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	502.64	79.99

26 31 00 00-0026 SMA Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,070.68	159.97
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,874.62	159.97
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,623.85	159.97
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,195.82	159.97
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	6,003.15	159.97

26 31 00 00-0032 PVPowered Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	5,023.86	159.97
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,251.61	159.97
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,796.29	159.97
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,876.46	199.97
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,382.47	239.96
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,451.81	239.96
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,913.27	239.96
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,694.29	1,279.82
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,833.57	1,279.82
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	114,483.66	1,279.82
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	106,165.95	1,279.82

26 31 00 00-0044 Solectria Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,664.65	319.95
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,664.65	319.95
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,148.61	319.95
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,148.61	319.95
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	52,198.67	959.86
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,778.83	959.86
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	57,038.36	959.86
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,694.00	959.86
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,533.69	959.86
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,844.97	959.86
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,862.31	1,279.82
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,904.72	1,279.82
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	66,282.15	1,279.82
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,786.82	1,279.82

26 31 00 00-0059 Xantrex Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	706.93	39.99
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	769.21	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,226.84	39.99
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	429.52	59.99
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	294.10	59.99
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	777.76	59.99
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	548.30	159.97
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	535.76	159.97
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	846.90	239.96
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	851.29	239.96
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,258.10	239.96
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,140.22	159.97
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,353.94	159.97
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,626.21	319.95
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,880.21	319.95
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	1,024.56	159.97
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	347.30	59.99
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	456.12	59.99
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	528.67	59.99
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	410.18	59.99
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,373.84	79.99
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	308.92	24.00
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	390.15	32.00
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	421.78	32.00
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	487.37	47.99
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	552.60	47.99
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	655.58	55.99
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	751.78	63.99
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	743.34	63.99
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,347.90	75.99
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,555.93	79.99
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	329.22	40.06
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	447.72	40.06
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	653.28	40.06
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	745.17	40.06
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	747.59	40.06
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,434.39	40.06
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,656.87	40.06
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	370.19	39.99
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,756.02	40.06
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,652.04	40.06
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,196.15	40.06
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	987.00	40.06
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,300.14	40.06
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	779.54	79.99
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,565.43	39.99
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,310.37	39.99
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	253.67	39.99
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	620.13	79.99
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,540.04	39.99
26 31 00 00-0120	EA	RS 485 Module (SMA)	361.46	39.99
26 31 00 00-0121	EA	RS 232 Module (SMA)	370.19	39.99
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	696.13	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	374.89	39.99
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	372.46	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	690.52	39.99
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	325.53	12.00
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,202.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	689.10	39.99
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	706.74	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	228.35	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	416.08	39.99
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	354.17	39.99
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,350.28	39.99
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	883.19	39.99
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,522.65	39.99
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,606.51	39.99
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	710.45	39.99
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	510.89	39.99
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	341.61	39.99
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,409.62	39.99
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	168.63	39.99
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	498.61	39.99
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	553.73	39.99
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	313.36	79.99

26 31 00 00-0145 Photovoltaic System Accessories *(26 31)*

26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,057.72	79.99
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,300.54	159.97
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	176.35	12.00
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	263.41	12.00
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	41.71	3.96
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	44.63	3.96
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	46.28	3.96
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	50.85	3.96
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	57.71	3.96
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	92.56	7.92
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	113.84	7.92
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	150.25	11.88
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	51.99	3.96
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	71.42	3.96
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	106.27	7.92
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	140.55	7.92
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	229.67	15.84
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	239.35	15.84
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	4,266.99	431.94

26 31 00 00-0165 Photovoltaic Mounting Systems *(26 31)*

26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	15.51	4.00
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	47.57	20.00
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	58.34	20.00
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	29.88	8.00
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	15.01	6.00
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	30.38	8.00
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	8.33	2.67
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	8.68	2.67
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	22.03	8.00
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	128.40	39.99
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	140.59	39.99
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	150.41	39.99
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	189.05	59.99
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	225.61	59.99
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	258.79	59.99
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	289.98	79.99
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	377.33	79.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	533.15	119.98
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	260.82	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	481.65	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	104.06	39.99
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	105.18	39.99
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	106.20	39.99
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	108.77	39.99
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	97.26	39.99
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	98.55	39.99
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	102.34	39.99
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	101.26	39.99
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	193.79	59.99
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	194.57	59.99
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	196.87	59.99
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	194.46	59.99
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	37.27	8.00
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	25.51	8.00
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	47.29	12.00
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	49.05	12.00
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	13.45	2.67
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	59.90	8.00
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	3.41	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0636 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0615 for loadbank rental, 01 22 23 00-0636 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,793.29	1,360.69
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,292.65*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	37,645.68	1,437.23
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,545.40	1,518.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,425.41*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	40,411.36	1,675.34
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	41,294.50	1,836.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	48,367.79	2,109.07
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	52,100.05	2,423.72
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	61,153.92	2,840.43
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,733.82	3,299.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	67,381.73	3,911.97
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	74,484.71	4,311.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	78,220.40	4,813.43
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	83,062.48	5,272.66
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	89,378.60	5,570.31
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	93,090.28	5,799.92
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	101,164.19	6,114.58
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	103,443.44	6,386.72
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	116,337.69	7,143.60
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	125,141.16	7,823.95
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	140,914.93	8,427.75
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	148,113.57	8,980.52
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	213,690.23	9,890.48
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	244,511.05	10,876.98
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	255,227.15	11,115.11
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	310,682.43	11,982.54
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	347,121.45	12,756.42
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0615 for loadbank rental, 01 22 23 00-0636 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	16,068.09	1,139.58
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	18,156.58	1,360.69
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	20,903.94	1,513.76
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	23,670.06	1,675.34
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	26,522.55	1,836.93
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	28,724.13	1,981.50
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	31,520.99	2,423.72
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	33,858.35	2,712.87
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	44,089.01	2,899.96
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	52,984.73	3,265.64
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	60,780.53	3,911.97
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	72,044.49	4,311.67
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	115,427.51	11,468.71
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	130,878.28	5,179.11
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	140,821.27	5,799.92
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	181,555.05	6,386.72
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	194,986.84	7,143.60
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	273,131.61	8,427.75
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	348,604.85	8,980.52
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	389,774.54	9,465.27
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	443,519.36	9,890.48
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	463,693.68	10,264.68
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	490,482.64	10,970.53
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	

26 32 13 19-0025 Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,519.07	733.42
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,917.61	814.91
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,961.88	896.40

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,260.99	319.95
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,474.08	319.95
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,488.23	319.95
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,617.05	319.95
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,461.55	399.94
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,982.15	399.94
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,917.23	399.94
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,487.86	527.93
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,306.91	527.93

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,863.15	319.95
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,124.79	319.95
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,139.63	319.95
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,584.36	319.95
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,798.01	399.94
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,659.43	399.94
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,336.71	399.94
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,387.36	527.93
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,921.07	527.93

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	31,314.09	5,953.00
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	34,873.94	5,953.00
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	39,739.74	8,504.29
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	46,191.98	8,504.29
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	52,281.11	8,504.29
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	61,607.19	12,756.42
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	74,933.79	12,756.42

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	107,950.14	17,008.57
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	117,691.92	17,008.57
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	141,502.22	22,111.14
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	160,969.68	26,873.54
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	190,377.76	26,873.54
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	269,615.56	40,140.22
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	279,547.74	40,140.22
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	321,481.03	46,773.57

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,257.25	40.06
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,357.00	40.06
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	387.27	40.06
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	353.49	40.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	594.35	40.06
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	687.68	40.06

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,858.05	913.47
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,477.04	913.47
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,923.92	913.47
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	5,223.13	1,081.55

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,216.52	158.38
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,449.16	184.77
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,771.27	211.17
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,145.37	237.57
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,716.06	263.96
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,276.64	316.76

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,203.16	316.76

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,424.03	422.34
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	7,037.13	475.13
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,405.54	580.72
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	11,930.60	633.51

26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,449.16	184.77
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,771.27	211.17
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,167.08	237.57
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,721.29	263.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,292.95	316.76
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,178.65	422.34
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,547.30	475.13
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	11,579.82	633.51
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	740.73	47.99
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	961.46	47.99
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	936.89	47.99
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	645.65	47.99
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	1,055.07	158.38
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,215.05	211.17
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery *(26 33 53 00-0033)* Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	43,503.95	633.51
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	48,262.11	844.67
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	54,024.71	1,055.84
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	58,682.42	1,267.01
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	70,572.15	1,478.18
26 33 53 00-0040		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)* Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	95,992.33	2,519.63
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	104,780.46	3,119.55
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	116,022.95	3,639.47
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	142,838.10	4,119.40
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	148,556.10	4,599.33
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	154,341.00	5,079.26
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	161,331.23	5,559.19
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	168,321.47	6,039.12
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)* Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	89,527.53	2,079.69
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	116,625.62	3,655.46
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	158,845.16	4,223.38
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	186,765.20	4,639.32
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	218,100.36	5,119.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0055		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	682.74	79.99
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,070.00	79.99
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,152.64	159.97
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,867.66	639.91
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	664.04	79.99
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	366.02	79.99
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	409.51	79.99
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	453.00	79.99
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	531.27	79.99
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	557.37	79.99
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	692.18	79.99
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	724.80	79.99
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,484.22	146.15
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,844.10	292.31
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	36.76	8.77
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	64.62	10.96
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	118.00	10.96
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	172.28	14.61
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	242.74	14.61
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,455.83	146.15
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,500.29	109.62

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001		Power Factor Correction Capacitors *(26 35 33 16)*		
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	1,058.07	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,171.84	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,285.61	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,394.83	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,713.39	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	2,093.39	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	3,233.38	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	3,927.38	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	5,074.19	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	5,770.47	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	10,125.63	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	15,224.85	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	20,301.32	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	942.02	

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001		Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*		
		Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,564.80	2,543.63
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,888.47	3,199.54
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	11,107.34	3,807.44

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001		Fused Manual Transfer Switches *(26 36 13)*		
26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,559.73	279.96
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,826.28	347.79
26 36 13 00-0004		Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*		
26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,848.67	407.46
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	4,274.33	488.95
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,855.81	570.44
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	6,013.78	651.93
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,423.61	733.42
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	8,343.74	814.91
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	9,278.03	896.40
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	10,872.91	977.89
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	14,360.85	1,222.37
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	16,181.24	1,466.85
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	21,551.89	2,041.03
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,531.36	570.44
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,792.75	733.42
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,568.26	977.89
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	12,210.47	1,222.37
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,684.89	407.46
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,567.66	488.95
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,897.68	529.70
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	7,227.69	570.44
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,592.07	651.93
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	9,808.38	733.42
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	10,825.08	814.91
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	11,321.56	896.40
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,795.40	977.89
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	17,507.91	1,222.37
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	19,656.66	1,466.85
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	25,614.48	2,041.03
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	33,155.14	2,211.11
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	35,387.15	2,551.29
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	40,455.64	2,891.46
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	48,876.25	3,571.80
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	84,441.28	4,252.14
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	28,516.17	3,096.67
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	29,772.07	3,259.65
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	31,210.67	3,422.63
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	34,784.38	3,504.13
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	40,073.74	3,585.62
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	48,028.82	3,748.60
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	52,912.47	3,911.59
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	66,429.26	4,563.51
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	86,917.49	5,102.57
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	113,213.32	5,442.74
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	128,515.33	5,953.00
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	205,130.81	6,803.43
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	221,463.57	7,653.86
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	9,228.55	407.46
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,989.01	488.95
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	10,368.61	529.70
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	10,748.19	570.44
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	12,901.90	651.93
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	16,778.53	733.42
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	17,869.92	814.91
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	18,593.04	896.40
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	21,033.91	977.89
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	25,528.81	1,222.37
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	26,630.67	1,466.85
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	31,640.78	2,041.03
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0052		Accessories *(26 36 23)*		
26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001		25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	268.03	39.99
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	287.11	39.99
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	303.10	47.99
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	246.58	32.00
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	303.10	47.99
26 43 13 00-0007		50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	362.05	39.99
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	388.94	47.99
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	372.95	39.99
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	388.94	47.99
26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	432.90	39.99
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	459.79	47.99
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	400.55	32.00
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	459.79	47.99
26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	506.48	39.99
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	572.89	47.99
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	475.50	32.00
26 43 13 00-0021		160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	879.48	47.99
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	863.49	39.99
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	879.48	47.99
26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,215.12	79.99
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,041.52	79.99
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,099.94	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,528.58	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,572.76	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,711.64	319.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,870.27	439.94
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,272.54	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,718.18	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,865.69	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,092.08	319.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,457.33	439.94
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,272.54	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,718.18	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,865.61	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,092.08	319.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,457.33	439.94
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,445.17	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,910.23	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,161.04	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,475.04	319.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,046.78	439.94
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,645.72	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,109.62	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,469.76	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,876.14	319.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,829.78	439.94
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,224.87	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,889.32	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,656.33	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,323.32	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,035.17	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,847.15	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,323.32	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,035.17	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,847.15	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,448.51	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,191.96	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,091.45	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,579.78	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,358.47	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,347.91	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,248.53	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,677.17	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,721.35	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,421.13	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,866.77	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,014.28	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,421.13	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,866.77	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,014.20	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,593.76	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,058.82	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,309.63	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,794.31	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,258.21	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,618.35	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,373.46	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,037.91	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,804.92	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,471.91	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,183.76	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,995.74	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,471.91	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,183.76	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,995.74	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,597.10	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,340.55	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,240.04	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,728.37	207.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,507.06	239.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,496.50	279.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	102.73	45.75
		For Remodel T Housing, Add	*0.85*	
		For ICAT Housing, Add	*4.38*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	102.73	45.75
		For Remodel T Housing, Add	*0.85*	
		For ICAT Housing, Add	*4.38*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	108.86	47.99
		For Remodel T Housing, Add	*0.92*	
		For ICAT Housing, Add	*4.75*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	115.17	50.08
		For Remodel T Housing, Add	*1.00*	
		For ICAT Housing, Add	*5.16*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	121.51	52.15
		For Remodel T Housing, Add	*1.08*	
		For ICAT Housing, Add	*5.56*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	124.50	55.35
		For Remodel T Housing, Add	*1.03*	
		For ICAT Housing, Add	*5.33*	

26 51 13 00-0009 Recessed Fixture Trim *(26 51 13 00-0001)*

26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	75.59	22.40
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	83.28	22.40
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	96.61	22.40
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	103.67	22.40
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	83.39	22.40
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	79.26	22.40
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	84.00	22.40

26 51 13 00-0017 Track Lighting *(26 51 13)*

26 51 13 00-0018 Incandescent Track Lighting Fixtures *(26 51 13 00-0017)*

See CSI section 26 51 19 00-0529 for track lighting tracks.

26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt	97.08	26.72
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	68.59	26.72
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	90.68	26.72
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	92.87	26.72
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	78.59	26.72
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	68.59	26.72
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	77.54	26.72
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	95.06	26.72

26 51 13 00-0027 Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*

26 51 13 00-0028 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0027)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	155.57	63.99
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	174.38	63.99
		For Wall Mounted, Add	*5.10*	

26 51 16 Fluorescent Interior Lighting *(26 51)*

26 51 16 00-0001 Fluorescent Fixtures *(26 51 16)*

26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*

26 51 16 00-0003 Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixtures (Lightron) *(26 51 16 00-0002)*

Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.

26 51 16 00-0004	EA	4-3/8" x 2', 1 17W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	288.97	73.58
26 51 16 00-0005	EA	4-3/8" x 2', 2 17W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	301.27	73.58
26 51 16 00-0006	EA	4-3/8" x 4', 1 32W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	303.28	73.58
26 51 16 00-0007	EA	4-3/8" x 4', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	319.35	73.58
26 51 16 00-0008	EA	4-3/8" x 8', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	494.14	73.58
26 51 16 00-0009	EA	4-3/8" x 8', 4 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	519.25	73.58

26 51 16 00-0010 Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*

Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.

26 51 16 00-0011 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0010)*

26 51 16 00-0012	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	210.47	45.74
26 51 16 00-0013	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	235.04	45.74

26 51 16 00-0014 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0010)*

26 51 16 00-0015	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	236.74	47.65
26 51 16 00-0016	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	263.67	47.65

26 51 16 00-0017 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0010)*

26 51 16 00-0018	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	281.72	53.49
26 51 16 00-0019	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	331.78	53.49

26 51 16 00-0020 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0010)*

26 51 16 00-0021	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	233.28	58.46
26 51 16 00-0022	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	267.46	58.46

26 51 16 00-0023 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0010)*

26 51 16 00-0024	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	360.39	68.11
26 51 16 00-0025	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	386.65	68.11
26 51 16 00-0026	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	436.63	68.11

26 51 16 00-0027 Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0001)*

Note: Includes prismatic lens.

26 51 16 00-0028 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*

26 51 16 00-0029	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	280.22	53.05
26 51 16 00-0030	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	447.22	53.05
26 51 16 00-0031	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	508.29	53.05

26 51 16 00-0032 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*

26 51 16 00-0033	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	431.83	58.46
26 51 16 00-0034	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	470.35	58.46
26 51 16 00-0035	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	498.12	58.46

26 51 16 00-0036 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*

26 51 16 00-0037	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	440.30	68.11
26 51 16 00-0038	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	481.38	68.11
26 51 16 00-0039	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	504.00	68.11
26 51 16 00-0040	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	538.43	68.11

26 51 16 00-0041 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*

26 51 16 00-0042	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	861.63	87.69
26 51 16 00-0043	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	875.47	87.69
26 51 16 00-0044	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	791.74	87.69

26 51 16 00-0045 Recessed Fluorescent Fixtures *(26 51 16 00-0001)*

26 51 16 00-0046 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0047		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0046)*		
26 51 16 00-0048	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	430.06	45.74
		For Drywall Or Plaster Ceilings, Add	*30.91*	
26 51 16 00-0049		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0046)*		
26 51 16 00-0050	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	569.14	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0051	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,061.02	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0052		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0046)*		
26 51 16 00-0053	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	576.50	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0054	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	663.25	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0055	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	669.16	58.46
		For Drywall Or Plaster Ceilings, Add	*39.47*	
26 51 16 00-0056	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	721.11	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0057		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0046)*		
26 51 16 00-0058	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	552.16	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0059	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	783.80	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0060	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	790.72	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0061	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	882.35	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0062	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	752.24	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0063	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,042.50	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0064	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,058.90	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0065		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0045)*		
26 51 16 00-0066		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0065)*		
26 51 16 00-0067	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	510.60	45.74
		For Drywall Or Plaster Ceilings, Add	*30.91*	
26 51 16 00-0068	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	516.49	45.74
		For Drywall Or Plaster Ceilings, Add	*30.91*	
26 51 16 00-0069	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	608.81	45.74
		For Drywall Or Plaster Ceilings, Add	*30.91*	
26 51 16 00-0070		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0065)*		
26 51 16 00-0071	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	581.97	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0072	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	588.89	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0073	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	666.81	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0074		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0065)*		
26 51 16 00-0075	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	595.28	58.46
		For Drywall Or Plaster Ceilings, Add	*39.47*	
26 51 16 00-0076	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	601.17	58.46
		For Drywall Or Plaster Ceilings, Add	*39.47*	
26 51 16 00-0077	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	692.07	58.46
		For Drywall Or Plaster Ceilings, Add	*39.47*	
26 51 16 00-0078		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0065)*		
26 51 16 00-0079	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	552.16	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0080	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	650.18	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0081	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	743.18	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0082	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	843.45	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0083		**Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0045)*		
26 51 16 00-0084		**1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0083)*		
26 51 16 00-0085	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,124.02	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0086	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,130.94	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0087	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,337.92	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0088	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,354.32	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0089		2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0083)*		
26 51 16 00-0090	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	881.22	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0091	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	985.34	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0092	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,209.99	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0093		2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0083)*		
26 51 16 00-0094	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	988.64	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0095	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,228.93	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0096	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,311.00	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,439.12	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0098		Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*		
26 51 16 00-0099		1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0098)*		
26 51 16 00-0100	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	872.21	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0101	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,165.85	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0102		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0098)*		
26 51 16 00-0103	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	867.78	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0104	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	999.08	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0105		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0098)*		
26 51 16 00-0106	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	963.54	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0107	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	965.73	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0108		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*		
26 51 16 00-0109		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0108)*		
26 51 16 00-0110	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	804.75	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
26 51 16 00-0111		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0108)*		
26 51 16 00-0112	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	768.64	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0113		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0108)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	933.11	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0115	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	655.47	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0116	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,071.93	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0117		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*		
26 51 16 00-0118		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0117)*		
26 51 16 00-0119	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	764.86	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0120		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0117)*		
26 51 16 00-0121	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	767.69	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
26 51 16 00-0122		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0117)*		
26 51 16 00-0123	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	955.50	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0124	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	970.19	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0125	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	993.62	68.11
		For Drywall Or Plaster Ceilings, Add	*46.04*	
26 51 16 00-0126		Striplight Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0127		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0126)*		
26 51 16 00-0128	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	314.79	43.85
26 51 16 00-0129	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	390.99	43.85
26 51 16 00-0130	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	382.14	48.67
26 51 16 00-0131	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	389.35	53.49
26 51 16 00-0132	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	476.44	63.36
26 51 16 00-0133		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0126)*		
26 51 16 00-0134	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	386.91	48.67
26 51 16 00-0135	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	396.45	53.49
26 51 16 00-0136	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	403.57	58.46
26 51 16 00-0137		3 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0126)*		
26 51 16 00-0138	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	578.63	48.67
26 51 16 00-0139	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	554.73	53.49
26 51 16 00-0140	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	561.77	58.46
26 51 16 00-0141		Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0142		1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0141)*		
26 51 16 00-0143	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	464.46	43.85
26 51 16 00-0144	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	488.52	53.49
26 51 16 00-0145	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	915.17	68.11
26 51 16 00-0146		2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0141)*		
26 51 16 00-0147	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	477.66	48.67
26 51 16 00-0148	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	502.77	58.46
26 51 16 00-0149	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	929.01	68.11
26 51 16 00-0150		3 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0141)*		
26 51 16 00-0151	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	496.52	48.67
26 51 16 00-0152	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	519.41	58.46
26 51 16 00-0153	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	795.92	68.11
26 51 16 00-0154		4 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0141)*		
26 51 16 00-0155	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	724.69	58.46
26 51 16 00-0156	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,069.05	68.11
26 51 16 00-0157		Undercabinet Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0158	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	245.55	39.46
26 51 16 00-0159	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	285.05	48.23
26 51 16 00-0160	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	280.12	48.23
26 51 16 00-0161	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	340.59	52.61
26 51 16 00-0162	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	395.88	61.39
26 51 16 00-0163		Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)*		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0164		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0163)*		
26 51 16 00-0165	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	278.11	43.85
26 51 16 00-0166	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	308.80	43.85
26 51 16 00-0167		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0163)*		
26 51 16 00-0168	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	316.26	46.04
26 51 16 00-0169	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	345.57	46.04

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26 51 16 00-0170		4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0163)*		
26 51 16 00-0171	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	312.49	48.23
26 51 16 00-0172	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	342.85	48.23
26 51 16 00-0173		Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0174		Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0173)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0175		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0174)*		
26 51 16 00-0176	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	277.66	73.58
26 51 16 00-0177	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	282.69	73.58
26 51 16 00-0178		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0174)*		
26 51 16 00-0179	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	355.09	73.58
26 51 16 00-0180	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	362.10	73.58
26 51 16 00-0181		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0174)*		
26 51 16 00-0182	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	367.09	73.58
26 51 16 00-0183	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	372.11	73.58
26 51 16 00-0184		Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0173)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0185		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0184)*		
26 51 16 00-0186	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	714.11	73.58
26 51 16 00-0187	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	719.13	73.58
26 51 16 00-0188		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0184)*		
26 51 16 00-0189	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	563.26	73.58
26 51 16 00-0190	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	570.27	73.58
26 51 16 00-0191		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0184)*		
26 51 16 00-0192	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	648.74	73.58
26 51 16 00-0193	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	653.76	73.58
26 51 16 00-0194		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0173)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0195		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0194)*		
26 51 16 00-0196	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	266.55	73.58
26 51 16 00-0197	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	271.58	73.58
26 51 16 00-0198		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0194)*		
26 51 16 00-0199	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	268.54	73.58
26 51 16 00-0200	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	275.56	73.58
26 51 16 00-0201		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0194)*		
26 51 16 00-0202	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	258.04	73.58
26 51 16 00-0203	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	263.06	73.58
26 51 16 00-0204		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0205	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	311.83	53.49
26 51 16 00-0206	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	319.14	58.46
26 51 16 00-0207		Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)* Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0208		6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0207)*		
26 51 16 00-0209	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	270.28	45.74
26 51 16 00-0210	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	319.65	45.74
26 51 16 00-0211		6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0207)*		
26 51 16 00-0212	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	291.83	47.65
26 51 16 00-0213	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	346.13	47.65
26 51 16 00-0214		8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0207)*		

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26 51 16 00-0215	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	388.66	73.58
26 51 16 00-0216	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	406.24	73.58
26 51 16 00-0217		8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0207)*		
26 51 16 00-0218	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	441.40	73.58
26 51 16 00-0219	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	456.47	73.58
26 51 16 00-0220	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	476.56	73.58
26 51 16 00-0221		1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0207)*		
26 51 16 00-0222	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	328.49	50.57
26 51 16 00-0223	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	387.83	50.57
26 51 16 00-0224	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	415.97	50.57
26 51 16 00-0225		1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0207)*		
26 51 16 00-0226	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	354.19	53.49
26 51 16 00-0227	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	418.89	53.49
26 51 16 00-0228	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	449.74	53.49
26 51 16 00-0229		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0230		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0229)*		
26 51 16 00-0231		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0230)*		
26 51 16 00-0232	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	257.09	63.99
26 51 16 00-0233	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	312.19	63.99
26 51 16 00-0234		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0229)*		
26 51 16 00-0235		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0234)*		
26 51 16 00-0236	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	207.54	63.99
26 51 16 00-0237	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	227.44	63.99
26 51 16 00-0238		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0234)*		
26 51 16 00-0239	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	330.12	63.99
26 51 16 00-0240	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	481.81	63.99
26 51 16 00-0241	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	586.91	63.99
26 51 16 00-0242	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	379.26	63.99
26 51 16 00-0243	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	484.92	63.99
26 51 16 00-0244	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	586.91	63.99
26 51 16 00-0245		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0229)*		
26 51 16 00-0246		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0245)*		
26 51 16 00-0247	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	334.25	63.99
26 51 16 00-0248	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	445.73	63.99
26 51 16 00-0249	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	540.15	63.99
26 51 16 00-0250	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	264.05	63.99
26 51 16 00-0251	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	321.91	63.99
26 51 16 00-0252	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	431.55	63.99
26 51 16 00-0253		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0229)*		
26 51 16 00-0254		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0253)*		
26 51 16 00-0255	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	549.62	52.57
26 51 16 00-0256		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0253)*		
26 51 16 00-0257	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	633.50	52.57
26 51 16 00-0258	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	904.12	52.57
26 51 16 00-0259		Fluorescent, Recessed Fixture Housings *(26 51 16)*		
26 51 16 00-0260	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	156.62	45.75
		For Remodel T Housing, Add	*2.20*	
		For ICAT Housing, Add	*11.33*	
26 51 16 00-0261	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	161.41	45.75
		For Remodel T Housing, Add	*2.32*	
		For ICAT Housing, Add	*11.95*	
26 51 16 00-0262	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	168.24	47.83
		For Remodel T Housing, Add	*2.41*	
		For ICAT Housing, Add	*12.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0263	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	176.69	49.59
		For Remodel T Housing, Add	*2.54*	
		For ICAT Housing, Add	*13.09*	
26 51 16 00-0264	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	184.18	52.15
		For Remodel T Housing, Add	*2.64*	
		For ICAT Housing, Add	*13.65*	
26 51 16 00-0265	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	191.16	55.35
		For Remodel T Housing, Add	*2.70*	
		For ICAT Housing, Add	*13.93*	

26 51 16 00-0266 Compact Fluorescent, Recessed Fixture Housings *(26 51 16)*

26 51 16 00-0267	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	177.20	45.75
		For Remodel T Housing, Add	*2.71*	
		For ICAT Housing, Add	*13.98*	
26 51 16 00-0268	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	181.91	45.75
		For Remodel T Housing, Add	*2.83*	
		For ICAT Housing, Add	*14.59*	
26 51 16 00-0269	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	188.90	47.99
		For Remodel T Housing, Add	*2.92*	
		For ICAT Housing, Add	*15.08*	
26 51 16 00-0270	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	194.65	50.08
		For Remodel T Housing, Add	*2.99*	
		For ICAT Housing, Add	*15.41*	
26 51 16 00-0271	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	201.18	52.15
		For Remodel T Housing, Add	*3.07*	
		For ICAT Housing, Add	*15.84*	
26 51 16 00-0272	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	207.78	55.35
		For Remodel T Housing, Add	*3.11*	
		For ICAT Housing, Add	*16.07*	

26 51 16 00-0273 Fluorescent Track Lighting Fixtures *(26 51 16)*

26 51 16 00-0274	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	319.91	26.72
26 51 16 00-0275	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	325.38	26.72
26 51 16 00-0276	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	204.25	26.72
26 51 16 00-0277	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	346.84	26.72

26 51 16 00-0278 Compact Fluorescent Track Lighting Fixtures *(26 51 16)*

26 51 16 00-0279	EA	Compact Fluorescent Track Lighting Fixture	112.60	26.72

26 51 16 00-0280 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 16)*

26 51 16 00-0281	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	165.28	63.99
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0282	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	168.97	63.99
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0283	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	178.12	63.99
		For Wall Mounted, Add	*6.02*	

26 51 16 00-0284 Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16)*

26 51 16 00-0285 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0284)*

26 51 16 00-0286 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) *(26 51 16 00-0285)*

Note: Includes high impact acrylic molded lens.

26 51 16 00-0287	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	347.23	68.11
		For T5 Fixture Instead Of T8, Add	*28.04*	
26 51 16 00-0288	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	363.21	68.11
		For T5 Fixture Instead Of T8, Add	*29.87*	
26 51 16 00-0289	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	558.98	68.11
		For T5 Fixture Instead Of T8, Add	*52.29*	
26 51 16 00-0290	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	484.41	68.11
26 51 16 00-0291	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	769.07	68.11

26 51 16 00-0292 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 16 00-0285)*

Note: Includes high impact acrylic molded lens.

26 51 16 00-0293	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	399.45	68.11
26 51 16 00-0294	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	404.31	68.11
26 51 16 00-0295	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	580.95	68.11
26 51 16 00-0296	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	483.26	68.11
26 51 16 00-0297	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	504.34	68.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0298		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0284)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0299		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0298)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0300	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	646.01	92.52
		For T5 Fixture Instead Of T8, Add	*58.07*	
26 51 16 00-0301	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	671.21	92.52
		For T5 Fixture Instead Of T8, Add	*60.95*	
26 51 16 00-0302		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0303		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0302)*		
26 51 16 00-0304		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0303)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0305	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	573.39	149.07
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0306	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	602.91	165.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0307	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	683.71	188.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0308	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	812.63	198.62
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0309	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	882.17	207.83
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0310	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	523.77	188.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0311	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	552.23	198.62
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0312	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	626.08	207.83
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0313		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0302)*		
26 51 16 00-0314		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0313)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0315	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	580.44	149.07
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0316	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	610.63	165.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0317	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	695.98	188.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0318	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	836.28	198.62
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0319	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	551.53	188.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0320	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	606.50	198.62
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0321	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	701.23	207.83
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0322		Fluorescent Linear High Bay (Lightron) *(26 51 16 00-0302)*		
		Note: Includes steel housing with powder coated finish, aluminum reflector and solid-state electronic ballast.		
26 51 16 00-0323	EA	4' Length, 2 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	447.96	73.58
26 51 16 00-0324	EA	4' Length, 3 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	532.86	73.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0325	EA	4' Length, 4 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	598.68	73.58
26 51 16 00-0326	EA	4' Length, 6 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	707.20	73.58
26 51 16 00-0327	EA	4' Length, 8 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	972.43	73.58

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	156.51	39.46
		For >50 To 100, Deduct	*-5.56*	
		For >100 To 250, Deduct	*-9.47*	
		For >250 To 500, Deduct	*-15.65*	
		For >500, Deduct	*-21.83*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	193.45	48.23
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-27.01*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	194.54	48.23
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.17*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	182.42	39.46
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 250, Deduct	*-10.77*	
		For >250 To 500, Deduct	*-18.24*	
		For >500, Deduct	*-25.72*	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	235.46	43.85
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	241.40	43.85
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	279.81	53.49
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	285.76	53.49
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	291.71	53.49
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	297.65	53.49
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	303.61	53.49
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	386.61	63.28
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	398.50	63.28
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	411.88	63.28
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	423.78	63.28
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	437.16	63.28
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	449.06	63.28

26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	242.01	43.85
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.74*	
		For >250 To 500, Deduct	*-24.20*	
		For >500, Deduct	*-34.66*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	256.63	53.49
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 250, Deduct	*-14.84*	
		For >250 To 500, Deduct	*-25.66*	
		For >500, Deduct	*-36.48*	
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	260.00	43.85
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-14.64*	
		For >250 To 500, Deduct	*-26.00*	
		For >500, Deduct	*-37.36*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	274.62	53.49
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 250, Deduct	*-15.74*	
		For >250 To 500, Deduct	*-27.46*	
		For >500, Deduct	*-39.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	337.63	53.49
		For >50 To 100, Deduct	*-10.45*	
		For >100 To 250, Deduct	*-18.89*	
		For >250 To 500, Deduct	*-33.76*	
		For >500, Deduct	*-48.63*	

26 51 19 00-0028 Striplight LED Fixtures (Mobern) *(26 51 19 00-0007)*

26 51 19 00-0029	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	241.32	43.85
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-13.71*	
		For >250 To 500, Deduct	*-24.13*	
		For >500, Deduct	*-34.55*	

26 51 19 00-0030 Striplight LED Fixtures (Eaton) *(26 51 19 00-0007)*

26 51 19 00-0031	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	306.23	53.49
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-17.32*	
		For >250 To 500, Deduct	*-30.62*	
		For >500, Deduct	*-43.93*	
26 51 19 00-0032	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	289.76	53.49
		For >50 To 100, Deduct	*-9.25*	
		For >100 To 250, Deduct	*-16.50*	
		For >250 To 500, Deduct	*-28.98*	
		For >500, Deduct	*-41.45*	
26 51 19 00-0033	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	306.23	53.49
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-17.32*	
		For >250 To 500, Deduct	*-30.62*	
		For >500, Deduct	*-43.93*	

26 51 19 00-0034 Lay-In/Troffer LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0035 Prismatic Lensed, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0036 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0035)*

26 51 19 00-0037	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	629.29	53.05
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.56*	
		For >50 To 100, Deduct	*-17.74*	
		For >100 To 250, Deduct	*-33.47*	
		For >250 To 500, Deduct	*-62.93*	
		For >500, Deduct	*-92.38*	
26 51 19 00-0038	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	356.95	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
		For >50 To 100, Deduct	*-11.12*	
		For >100 To 250, Deduct	*-20.04*	
		For >250 To 500, Deduct	*-35.70*	
		For >500, Deduct	*-51.35*	
26 51 19 00-0039	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	639.41	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*57.55*	
		For >50 To 100, Deduct	*-18.54*	
		For >100 To 250, Deduct	*-34.53*	
		For >250 To 500, Deduct	*-63.94*	
		For >500, Deduct	*-93.35*	

26 51 19 00-0040 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) *(26 51 19 00-0035)*

26 51 19 00-0041	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	900.13	53.05
		For >50 To 100, Deduct	*-24.51*	
		For >100 To 250, Deduct	*-47.02*	
		For >250 To 500, Deduct	*-90.01*	
		For >500, Deduct	*-133.01*	
26 51 19 00-0042	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	639.05	58.46
		For >50 To 100, Deduct	*-18.17*	
		For >100 To 250, Deduct	*-34.14*	
		For >250 To 500, Deduct	*-63.91*	
		For >500, Deduct	*-93.67*	
26 51 19 00-0043	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	830.27	68.11
		For >50 To 100, Deduct	*-23.31*	
		For >100 To 250, Deduct	*-44.07*	
		For >250 To 500, Deduct	*-83.03*	
		For >500, Deduct	*-121.98*	

26 51 19 00-0044 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 19 00-0035)*

26 51 19 00-0045	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	426.67	58.46
		For >50 To 100, Deduct	*-12.86*	
		For >100 To 250, Deduct	*-23.53*	
		For >250 To 500, Deduct	*-42.67*	
		For >500, Deduct	*-61.81*	
26 51 19 00-0046	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	470.40	58.46
		For >50 To 100, Deduct	*-13.95*	
		For >100 To 250, Deduct	*-25.71*	
		For >250 To 500, Deduct	*-47.04*	
		For >500, Deduct	*-68.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0047	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	402.61	58.46
		For >50 To 100, Deduct	*-12.26*	
		For >100 To 250, Deduct	*-22.32*	
		For >250 To 500, Deduct	*-40.26*	
		For >500, Deduct	*-58.20*	
26 51 19 00-0048	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	402.61	58.46
		For >50 To 100, Deduct	*-12.26*	
		For >100 To 250, Deduct	*-22.32*	
		For >250 To 500, Deduct	*-40.26*	
		For >500, Deduct	*-58.20*	
26 51 19 00-0049	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	431.04	58.46
		For >50 To 100, Deduct	*-12.97*	
		For >100 To 250, Deduct	*-23.74*	
		For >250 To 500, Deduct	*-43.10*	
		For >500, Deduct	*-62.46*	
26 51 19 00-0050		Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*		
26 51 19 00-0051		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0050)*		
26 51 19 00-0052	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	530.45	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
		For >50 To 100, Deduct	*-15.27*	
		For >100 To 250, Deduct	*-28.53*	
		For >250 To 500, Deduct	*-53.05*	
		For >500, Deduct	*-77.56*	
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	710.68	53.05
		For Drywall Or Plaster Ceilings, Add	*36.18*	
		For >50 To 100, Deduct	*-19.78*	
		For >100 To 250, Deduct	*-37.54*	
		For >250 To 500, Deduct	*-71.07*	
		For >500, Deduct	*-104.59*	
26 51 19 00-0054	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	557.95	58.46
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.82*	
		For >50 To 100, Deduct	*-16.14*	
		For >100 To 250, Deduct	*-30.09*	
		For >250 To 500, Deduct	*-55.80*	
		For >500, Deduct	*-81.50*	
26 51 19 00-0055	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	637.95	58.46
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.82*	
		For >50 To 100, Deduct	*-18.14*	
		For >100 To 250, Deduct	*-34.09*	
		For >250 To 500, Deduct	*-63.80*	
		For >500, Deduct	*-93.50*	
26 51 19 00-0056	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	701.96	58.46
		For >50 To 100, Deduct	*-19.74*	
		For >100 To 250, Deduct	*-37.29*	
		For >250 To 500, Deduct	*-70.20*	
		For >500, Deduct	*-103.10*	
26 51 19 00-0057	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	716.58	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*61.41*	
		For >50 To 100, Deduct	*-20.47*	
		For >100 To 250, Deduct	*-38.39*	
		For >250 To 500, Deduct	*-71.66*	
		For >500, Deduct	*-104.93*	
26 51 19 00-0058	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	780.58	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*64.61*	
		For >50 To 100, Deduct	*-22.07*	
		For >100 To 250, Deduct	*-41.59*	
		For >250 To 500, Deduct	*-78.06*	
		For >500, Deduct	*-114.53*	
26 51 19 00-0059	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	844.59	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*67.81*	
		For >50 To 100, Deduct	*-23.67*	
		For >100 To 250, Deduct	*-44.79*	
		For >250 To 500, Deduct	*-84.46*	
		For >500, Deduct	*-124.13*	
26 51 19 00-0060	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	493.96	58.46
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.62*	
		For >50 To 100, Deduct	*-14.54*	
		For >100 To 250, Deduct	*-26.89*	
		For >250 To 500, Deduct	*-49.40*	
		For >500, Deduct	*-71.90*	
26 51 19 00-0061	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	573.95	58.46
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.62*	
		For >50 To 100, Deduct	*-16.54*	
		For >100 To 250, Deduct	*-30.89*	
		For >250 To 500, Deduct	*-57.40*	
		For >500, Deduct	*-83.90*	
26 51 19 00-0062	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	621.95	58.46
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.02*	
		For >50 To 100, Deduct	*-17.74*	
		For >100 To 250, Deduct	*-33.29*	
		For >250 To 500, Deduct	*-62.20*	
		For >500, Deduct	*-91.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0063	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	620.58	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*56.61*	
		For >50 To 100, Deduct	*-18.07*	
		For >100 To 250, Deduct	*-33.59*	
		For >250 To 500, Deduct	*-62.06*	
		For >500, Deduct	*-90.53*	
26 51 19 00-0064	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	652.57	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*58.21*	
		For >50 To 100, Deduct	*-18.87*	
		For >100 To 250, Deduct	*-35.19*	
		For >250 To 500, Deduct	*-65.26*	
		For >500, Deduct	*-95.33*	
26 51 19 00-0065	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	716.58	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*61.41*	
		For >50 To 100, Deduct	*-20.47*	
		For >100 To 250, Deduct	*-38.39*	
		For >250 To 500, Deduct	*-71.66*	
		For >500, Deduct	*-104.93*	

26 51 19 00-0066 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0067 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0066)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	404.23	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.79*	
		For >50 To 100, Deduct	*-12.66*	
		For >100 To 250, Deduct	*-22.77*	
		For >250 To 500, Deduct	*-40.42*	
		For >500, Deduct	*-58.08*	
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	468.52	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.00*	
		For >50 To 100, Deduct	*-14.27*	
		For >100 To 250, Deduct	*-25.98*	
		For >250 To 500, Deduct	*-46.85*	
		For >500, Deduct	*-67.72*	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	526.39	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.90*	
		For >50 To 100, Deduct	*-15.72*	
		For >100 To 250, Deduct	*-28.88*	
		For >250 To 500, Deduct	*-52.64*	
		For >500, Deduct	*-76.40*	

26 51 19 00-0071 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0066)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0072	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	510.00	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*172.82*	
		For Surface Mount, Add	*269.09*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 250, Deduct	*-28.06*	
		For >250 To 500, Deduct	*-51.00*	
		For >500, Deduct	*-73.94*	
26 51 19 00-0073	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	548.96	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*172.82*	
		For Surface Mount, Add	*269.09*	
		For >50 To 100, Deduct	*-16.28*	
		For >100 To 250, Deduct	*-30.01*	
		For >250 To 500, Deduct	*-54.90*	
		For >500, Deduct	*-79.79*	
26 51 19 00-0074	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	548.96	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*172.82*	
		For Surface Mount, Add	*269.09*	
		For >50 To 100, Deduct	*-16.28*	
		For >100 To 250, Deduct	*-30.01*	
		For >250 To 500, Deduct	*-54.90*	
		For >500, Deduct	*-79.79*	
26 51 19 00-0075	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	606.48	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*172.82*	
		For Surface Mount, Add	*269.09*	
		For >50 To 100, Deduct	*-17.72*	
		For >100 To 250, Deduct	*-32.88*	
		For >250 To 500, Deduct	*-60.65*	
		For >500, Deduct	*-88.41*	
26 51 19 00-0076	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	473.33	58.46
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*150.78*	
		For Surface Mount, Add	*253.18*	
		For >50 To 100, Deduct	*-14.03*	
		For >100 To 250, Deduct	*-25.86*	
		For >250 To 500, Deduct	*-47.33*	
		For >500, Deduct	*-68.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0077	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	447.13	58.46
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*150.78*	
		For Surface Mount, Add	*253.18*	
		For >50 To 100, Deduct	*-13.37*	
		For >100 To 250, Deduct	*-24.55*	
		For >250 To 500, Deduct	*-44.71*	
		For >500, Deduct	*-64.88*	
26 51 19 00-0078	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	531.61	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*176.53*	
		For Surface Mount, Add	*293.21*	
		For >50 To 100, Deduct	*-15.85*	
		For >100 To 250, Deduct	*-29.14*	
		For >250 To 500, Deduct	*-53.16*	
		For >500, Deduct	*-77.18*	
26 51 19 00-0079	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	548.96	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*176.53*	
		For Surface Mount, Add	*293.21*	
		For >50 To 100, Deduct	*-16.28*	
		For >100 To 250, Deduct	*-30.01*	
		For >250 To 500, Deduct	*-54.90*	
		For >500, Deduct	*-79.79*	
26 51 19 00-0080	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	548.96	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*176.53*	
		For Surface Mount, Add	*293.21*	
		For >50 To 100, Deduct	*-16.28*	
		For >100 To 250, Deduct	*-30.01*	
		For >250 To 500, Deduct	*-54.90*	
		For >500, Deduct	*-79.79*	
26 51 19 00-0081	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	695.54	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*176.53*	
		For Surface Mount, Add	*293.21*	
		For >50 To 100, Deduct	*-19.95*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-69.55*	
		For >500, Deduct	*-101.77*	
26 51 19 00-0082	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	606.48	68.11
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*176.53*	
		For Surface Mount, Add	*293.21*	
		For >50 To 100, Deduct	*-17.72*	
		For >100 To 250, Deduct	*-32.88*	
		For >250 To 500, Deduct	*-60.65*	
		For >500, Deduct	*-88.41*	

26 51 19 00-0083 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0066)*
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0084	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	293.67	58.46
		For >50 To 100, Deduct	*-9.53*	
		For >100 To 250, Deduct	*-16.88*	
		For >250 To 500, Deduct	*-29.37*	
		For >500, Deduct	*-41.86*	
26 51 19 00-0085	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	386.02	68.11
		For >50 To 100, Deduct	*-12.21*	
		For >100 To 250, Deduct	*-21.86*	
		For >250 To 500, Deduct	*-38.60*	
		For >500, Deduct	*-55.35*	

26 51 19 00-0086 Architectural, Lay-In/Troffer LED Fixtures (Finelite) *(26 51 19 00-0066)*
Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0087	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	427.26	58.46
		For >50 To 100, Deduct	*-12.87*	
		For >100 To 250, Deduct	*-23.56*	
		For >250 To 500, Deduct	*-42.73*	
		For >500, Deduct	*-61.90*	
26 51 19 00-0088	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	576.07	68.69
		For >50 To 100, Deduct	*-16.96*	
		For >100 To 250, Deduct	*-31.36*	
		For >250 To 500, Deduct	*-57.61*	
		For >500, Deduct	*-83.85*	

26 51 19 00-0089 Shadow Box Style, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0090 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) *(26 51 19 00-0089)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0091	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	668.90	58.46
		For Drywall Or Plaster Ceilings, Add	*39.46*	
		For >50 To 100, Deduct	*-18.91*	
		For >100 To 250, Deduct	*-35.64*	
		For >250 To 500, Deduct	*-66.89*	
		For >500, Deduct	*-98.14*	
26 51 19 00-0092	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	909.29	68.11
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*71.04*	
		For >50 To 100, Deduct	*-25.29*	
		For >100 To 250, Deduct	*-48.02*	
		For >250 To 500, Deduct	*-90.93*	
		For >500, Deduct	*-133.84*	

26 51 19 00-0093 Panel Type, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0094 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0093)*

26 51 19 00-0095	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	464.85	68.11
		For >50 To 100, Deduct	*-14.18*	
		For >100 To 250, Deduct	*-25.80*	
		For >250 To 500, Deduct	*-46.49*	
		For >500, Deduct	*-67.17*	
26 51 19 00-0096	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	482.21	68.11
		For >50 To 100, Deduct	*-14.61*	
		For >100 To 250, Deduct	*-26.67*	
		For >250 To 500, Deduct	*-48.22*	
		For >500, Deduct	*-69.77*	
26 51 19 00-0097	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	597.27	68.11
		For >50 To 100, Deduct	*-17.49*	
		For >100 To 250, Deduct	*-32.42*	
		For >250 To 500, Deduct	*-59.73*	
		For >500, Deduct	*-87.03*	
26 51 19 00-0098	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	597.27	68.11
		For >50 To 100, Deduct	*-17.49*	
		For >100 To 250, Deduct	*-32.42*	
		For >250 To 500, Deduct	*-59.73*	
		For >500, Deduct	*-87.03*	

26 51 19 00-0099 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0093)*

26 51 19 00-0100	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	254.89	68.11
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*57.00*	
		For >50 To 100, Deduct	*-8.93*	
		For >100 To 250, Deduct	*-15.30*	
		For >250 To 500, Deduct	*-25.49*	
		For >500, Deduct	*-35.68*	
26 51 19 00-0101	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	262.33	68.11
		For >50 To 100, Deduct	*-9.12*	
		For >100 To 250, Deduct	*-15.67*	
		For >250 To 500, Deduct	*-26.23*	
		For >500, Deduct	*-36.79*	
26 51 19 00-0102	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	265.73	68.11
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*71.25*	
		For >50 To 100, Deduct	*-9.20*	
		For >100 To 250, Deduct	*-15.84*	
		For >250 To 500, Deduct	*-26.57*	
		For >500, Deduct	*-37.30*	
26 51 19 00-0103	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	586.82	68.11
		For >50 To 100, Deduct	*-17.23*	
		For >100 To 250, Deduct	*-31.90*	
		For >250 To 500, Deduct	*-58.68*	
		For >500, Deduct	*-85.47*	

26 51 19 00-0104 Surface Mount LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0105 Surface Mount, Volumetric LED Fixtures (Lithonia STL) *(26 51 19 00-0104)*

26 51 19 00-0106	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	348.40	43.85
		For >50 To 100, Deduct	*-10.35*	
		For >100 To 250, Deduct	*-19.06*	
		For >250 To 500, Deduct	*-34.84*	
		For >500, Deduct	*-50.62*	
26 51 19 00-0107	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	319.48	53.49
		For >50 To 100, Deduct	*-10.00*	
		For >100 To 250, Deduct	*-17.98*	
		For >250 To 500, Deduct	*-31.95*	
		For >500, Deduct	*-45.91*	
26 51 19 00-0108	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	356.26	53.49
		For >50 To 100, Deduct	*-10.92*	
		For >100 To 250, Deduct	*-19.82*	
		For >250 To 500, Deduct	*-35.63*	
		For >500, Deduct	*-51.43*	

26 51 19 00-0109 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0104)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0110	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	295.17	43.85
		For >50 To 100, Deduct	*-9.02*	
		For >100 To 250, Deduct	*-16.40*	
		For >250 To 500, Deduct	*-29.52*	
		For >500, Deduct	*-42.63*	
26 51 19 00-0111	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	386.68	53.49
		For >50 To 100, Deduct	*-11.68*	
		For >100 To 250, Deduct	*-21.34*	
		For >250 To 500, Deduct	*-38.67*	
		For >500, Deduct	*-55.99*	

26 51 19 00-0112 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0104)*

26 51 19 00-0113 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0112)*

26 51 19 00-0114	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	853.42	58.46
		For >50 To 100, Deduct	*-23.53*	
		For >100 To 250, Deduct	*-44.86*	
		For >250 To 500, Deduct	*-85.34*	
		For >500, Deduct	*-125.82*	
26 51 19 00-0115	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,093.81	68.11
		For >50 To 100, Deduct	*-29.90*	
		For >100 To 250, Deduct	*-57.25*	
		For >250 To 500, Deduct	*-109.38*	
		For >500, Deduct	*-161.51*	

26 51 19 00-0116 Surface Mount, Low Profile Fixtures *(26 51 19 00-0104)*

26 51 19 00-0117	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	127.20	40.06
		For >50 To 100, Deduct	*-5.18*	
		For >100 To 250, Deduct	*-8.36*	
		For >250 To 500, Deduct	*-12.72*	
		For >500, Deduct	*-17.08*	
26 51 19 00-0118	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	106.77	40.06
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 250, Deduct	*-7.34*	
		For >250 To 500, Deduct	*-10.68*	
		For >500, Deduct	*-14.01*	
26 51 19 00-0119	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	170.09	40.06
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.51*	
		For >250 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-23.51*	
26 51 19 00-0120	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	202.78	40.06
		For >50 To 100, Deduct	*-7.07*	
		For >100 To 250, Deduct	*-12.14*	
		For >250 To 500, Deduct	*-20.28*	
		For >500, Deduct	*-28.41*	

26 51 19 00-0121 Recessed LED Downlights *(26 51 19 00-0001)*

26 51 19 00-0122 Recessed LED Downlights *(26 51 19 00-0121)*

26 51 19 00-0123 Recessed LED Downlights (Lithonia) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0124	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	404.94	70.39
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*81.25*	
		For >50 To 100, Deduct	*-12.76*	
		For >100 To 250, Deduct	*-22.89*	
		For >250 To 500, Deduct	*-40.49*	
		For >500, Deduct	*-58.10*	
26 51 19 00-0125	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	437.09	70.39
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*81.25*	
		For >50 To 100, Deduct	*-13.57*	
		For >100 To 250, Deduct	*-24.49*	
		For >250 To 500, Deduct	*-43.71*	
		For >500, Deduct	*-62.92*	

26 51 19 00-0126 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0127	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	268.21	70.39
		For >50 To 100, Deduct	*-9.35*	
		For >100 To 250, Deduct	*-16.05*	
		For >250 To 500, Deduct	*-26.82*	
		For >500, Deduct	*-37.59*	

26 51 19 00-0128 Recessed LED Downlights (Gotham® EVO®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0129	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	336.92	70.39
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-19.49*	
		For >250 To 500, Deduct	*-33.69*	
		For >500, Deduct	*-47.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0130	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	346.81	70.39
		For >50 To 100, Deduct	*-11.31*	
		For >100 To 250, Deduct	*-19.98*	
		For >250 To 500, Deduct	*-34.68*	
		For >500, Deduct	*-49.38*	
26 51 19 00-0131	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	387.39	70.39
		For >50 To 100, Deduct	*-12.32*	
		For >100 To 250, Deduct	*-22.01*	
		For >250 To 500, Deduct	*-38.74*	
		For >500, Deduct	*-55.47*	
26 51 19 00-0132	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	391.36	70.39
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-22.21*	
		For >250 To 500, Deduct	*-39.14*	
		For >500, Deduct	*-56.06*	
26 51 19 00-0133	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	425.99	70.39
		For >50 To 100, Deduct	*-13.29*	
		For >100 To 250, Deduct	*-23.94*	
		For >250 To 500, Deduct	*-42.60*	
		For >500, Deduct	*-61.26*	

26 51 19 00-0134 Recessed LED Downlights (Lightolier) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0135	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	646.17	70.39
		For >50 To 100, Deduct	*-18.79*	
		For >100 To 250, Deduct	*-34.95*	
		For >250 To 500, Deduct	*-64.62*	
		For >500, Deduct	*-94.29*	
26 51 19 00-0136	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	754.56	70.39
		For >50 To 100, Deduct	*-21.50*	
		For >100 To 250, Deduct	*-40.37*	
		For >250 To 500, Deduct	*-75.46*	
		For >500, Deduct	*-110.54*	
26 51 19 00-0137	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	808.64	70.39
		For >50 To 100, Deduct	*-22.86*	
		For >100 To 250, Deduct	*-43.07*	
		For >250 To 500, Deduct	*-80.86*	
		For >500, Deduct	*-118.66*	
26 51 19 00-0138	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	808.64	70.39
		For >50 To 100, Deduct	*-22.86*	
		For >100 To 250, Deduct	*-43.07*	
		For >250 To 500, Deduct	*-80.86*	
		For >500, Deduct	*-118.66*	
26 51 19 00-0139	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	835.80	70.39
		For >50 To 100, Deduct	*-23.53*	
		For >100 To 250, Deduct	*-44.43*	
		For >250 To 500, Deduct	*-83.58*	
		For >500, Deduct	*-122.73*	
26 51 19 00-0140	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	862.98	70.39
		For >50 To 100, Deduct	*-24.21*	
		For >100 To 250, Deduct	*-45.79*	
		For >250 To 500, Deduct	*-86.30*	
		For >500, Deduct	*-126.81*	

26 51 19 00-0141 Recessed LED Downlights (Cooper) *(26 51 19 00-0122)*

26 51 19 00-0142	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	177.50	70.39
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-11.51*	
		For >250 To 500, Deduct	*-17.75*	
		For >500, Deduct	*-23.99*	
26 51 19 00-0143	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	177.50	70.39
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-11.51*	
		For >250 To 500, Deduct	*-17.75*	
		For >500, Deduct	*-23.99*	
26 51 19 00-0144	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	177.50	70.39
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-11.51*	
		For >250 To 500, Deduct	*-17.75*	
		For >500, Deduct	*-23.99*	
26 51 19 00-0145	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	177.50	70.39
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-11.51*	
		For >250 To 500, Deduct	*-17.75*	
		For >500, Deduct	*-23.99*	
26 51 19 00-0146	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	180.18	70.39
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-18.02*	
		For >500, Deduct	*-24.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0147	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	180.18	70.39
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-18.02*	
		For >500, Deduct	*-24.39*	
26 51 19 00-0148	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	180.18	70.39
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-18.02*	
		For >500, Deduct	*-24.39*	
26 51 19 00-0149	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	180.18	70.39
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-18.02*	
		For >500, Deduct	*-24.39*	
26 51 19 00-0150	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	216.49	70.39
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 250, Deduct	*-13.46*	
		For >250 To 500, Deduct	*-21.65*	
		For >500, Deduct	*-29.83*	
26 51 19 00-0151	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	214.65	70.39
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 250, Deduct	*-13.37*	
		For >250 To 500, Deduct	*-21.47*	
		For >500, Deduct	*-29.56*	
26 51 19 00-0152	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	214.65	70.39
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 250, Deduct	*-13.37*	
		For >250 To 500, Deduct	*-21.47*	
		For >500, Deduct	*-29.56*	
26 51 19 00-0153	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	214.65	70.39
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 250, Deduct	*-13.37*	
		For >250 To 500, Deduct	*-21.47*	
		For >500, Deduct	*-29.56*	
26 51 19 00-0154	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	98.20	22.40
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-9.82*	
		For >500, Deduct	*-13.89*	
26 51 19 00-0155	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	64.97	22.40
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-6.50*	
		For >500, Deduct	*-8.91*	
26 51 19 00-0156	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	79.27	22.40
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.80*	
		For >250 To 500, Deduct	*-7.93*	
		For >500, Deduct	*-11.05*	
26 51 19 00-0157	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	67.85	22.40
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-6.79*	
		For >500, Deduct	*-9.34*	
26 51 19 00-0158	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	56.16	22.40
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-5.62*	
		For >500, Deduct	*-7.58*	
26 51 19 00-0159	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	67.33	22.40
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-6.73*	
		For >500, Deduct	*-9.26*	
26 51 19 00-0160	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	74.13	22.40
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-10.28*	
26 51 19 00-0161	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	80.20	22.40
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.85*	
		For >250 To 500, Deduct	*-8.02*	
		For >500, Deduct	*-11.19*	
26 51 19 00-0162	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	92.04	22.40
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.97*	
26 51 19 00-0163	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	92.42	22.40
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-13.02*	
26 51 19 00-0164	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	90.72	22.40
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-9.07*	
		For >500, Deduct	*-12.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0165	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	110.15	22.40
		For >50 To 100, Deduct	*-3.59*	
		For >100 To 250, Deduct	*-6.35*	
		For >250 To 500, Deduct	*-11.02*	
		For >500, Deduct	*-15.68*	
26 51 19 00-0166	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	56.57	22.40
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-3.67*	
		For >250 To 500, Deduct	*-5.66*	
		For >500, Deduct	*-7.65*	
26 51 19 00-0167	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	95.36	22.40
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-9.54*	
		For >500, Deduct	*-13.46*	
26 51 19 00-0168	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	82.28	22.40
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.50*	
26 51 19 00-0169	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	77.69	22.40
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 250, Deduct	*-4.72*	
		For >250 To 500, Deduct	*-7.77*	
		For >500, Deduct	*-10.81*	
26 51 19 00-0170	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	70.13	22.40
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.35*	
		For >250 To 500, Deduct	*-7.01*	
		For >500, Deduct	*-9.68*	
26 51 19 00-0171	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	70.67	22.40
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-9.76*	
26 51 19 00-0172	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	75.53	22.40
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.49*	
26 51 19 00-0173	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	69.83	22.40
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-6.98*	
		For >500, Deduct	*-9.63*	
26 51 19 00-0174	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	85.31	22.40
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.11*	
		For >250 To 500, Deduct	*-8.53*	
		For >500, Deduct	*-11.96*	
26 51 19 00-0175	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	91.84	22.40
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.43*	
		For >250 To 500, Deduct	*-9.18*	
		For >500, Deduct	*-12.94*	
26 51 19 00-0176	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	113.55	22.40
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 250, Deduct	*-6.52*	
		For >250 To 500, Deduct	*-11.36*	
		For >500, Deduct	*-16.19*	
26 51 19 00-0177	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	110.83	22.40
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-6.38*	
		For >250 To 500, Deduct	*-11.08*	
		For >500, Deduct	*-15.78*	
26 51 19 00-0178	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	112.03	22.40
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-6.44*	
		For >250 To 500, Deduct	*-11.20*	
		For >500, Deduct	*-15.96*	
26 51 19 00-0179	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	71.33	22.40
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.13*	
		For >500, Deduct	*-9.86*	
26 51 19 00-0180	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	77.83	47.99
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-5.69*	
		For >250 To 500, Deduct	*-7.78*	
		For >500, Deduct	*-9.87*	
26 51 19 00-0181	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	83.14	47.99
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-8.31*	
		For >500, Deduct	*-10.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0182	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	81.01	47.99
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.10*	
		For >500, Deduct	*-10.35*	
26 51 19 00-0183	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	101.96	47.99
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-10.20*	
		For >500, Deduct	*-13.49*	
26 51 19 00-0184	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	99.50	47.99
		For >50 To 100, Deduct	*-4.29*	
		For >100 To 250, Deduct	*-6.77*	
		For >250 To 500, Deduct	*-9.95*	
		For >500, Deduct	*-13.13*	
26 51 19 00-0185	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	83.87	47.99
		For >50 To 100, Deduct	*-3.90*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-8.39*	
		For >500, Deduct	*-10.78*	
26 51 19 00-0186	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	87.45	47.99
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.17*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-11.32*	
26 51 19 00-0187	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	83.12	47.99
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-8.31*	
		For >500, Deduct	*-10.67*	
26 51 19 00-0188	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	87.04	47.99
		For >50 To 100, Deduct	*-3.98*	
		For >100 To 250, Deduct	*-6.15*	
		For >250 To 500, Deduct	*-8.70*	
		For >500, Deduct	*-11.26*	
26 51 19 00-0189	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	83.77	47.99
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-8.38*	
		For >500, Deduct	*-10.77*	
26 51 19 00-0190	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	83.40	47.99
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-5.97*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-10.71*	
26 51 19 00-0191	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	86.23	47.99
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-8.62*	
		For >500, Deduct	*-11.13*	
26 51 19 00-0192	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	87.77	47.99
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.19*	
		For >250 To 500, Deduct	*-8.78*	
		For >500, Deduct	*-11.37*	
26 51 19 00-0193	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	88.26	47.99
		For >50 To 100, Deduct	*-4.01*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-8.83*	
		For >500, Deduct	*-11.44*	
26 51 19 00-0194	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	111.99	47.99
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 250, Deduct	*-7.40*	
		For >250 To 500, Deduct	*-11.20*	
		For >500, Deduct	*-15.00*	
26 51 19 00-0195	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	106.03	47.99
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 250, Deduct	*-7.10*	
		For >250 To 500, Deduct	*-10.60*	
		For >500, Deduct	*-14.10*	
26 51 19 00-0196	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	106.72	47.99
		For >50 To 100, Deduct	*-4.47*	
		For >100 To 250, Deduct	*-7.14*	
		For >250 To 500, Deduct	*-10.67*	
		For >500, Deduct	*-14.21*	
26 51 19 00-0197	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	110.70	47.99
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 250, Deduct	*-7.33*	
		For >250 To 500, Deduct	*-11.07*	
		For >500, Deduct	*-14.81*	
26 51 19 00-0198	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	110.70	47.99
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 250, Deduct	*-7.33*	
		For >250 To 500, Deduct	*-11.07*	
		For >500, Deduct	*-14.81*	
26 51 19 00-0199	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	110.70	47.99
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 250, Deduct	*-7.33*	
		For >250 To 500, Deduct	*-11.07*	
		For >500, Deduct	*-14.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0200	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	110.70	47.99
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 250, Deduct	*-7.33*	
		For >250 To 500, Deduct	*-11.07*	
		For >500, Deduct	*-14.81*	
26 51 19 00-0201	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	110.70	47.99
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 250, Deduct	*-7.33*	
		For >250 To 500, Deduct	*-11.07*	
		For >500, Deduct	*-14.81*	
26 51 19 00-0202	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	100.29	47.99
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-13.24*	
26 51 19 00-0203	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	100.29	47.99
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-13.24*	
26 51 19 00-0204	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	100.29	47.99
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-13.24*	
26 51 19 00-0205	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	100.29	47.99
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-13.24*	
26 51 19 00-0206	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	100.29	47.99
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-13.24*	
26 51 19 00-0207	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	101.05	47.99
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 250, Deduct	*-6.85*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0208	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	112.75	47.99
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-7.44*	
		For >250 To 500, Deduct	*-11.28*	
		For >500, Deduct	*-15.11*	
26 51 19 00-0209	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	101.05	47.99
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 250, Deduct	*-6.85*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0210	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	109.44	47.99
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 250, Deduct	*-7.27*	
		For >250 To 500, Deduct	*-10.94*	
		For >500, Deduct	*-14.62*	
26 51 19 00-0211	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	96.31	47.99
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-6.62*	
		For >250 To 500, Deduct	*-9.63*	
		For >500, Deduct	*-12.65*	
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	97.46	47.99
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-6.67*	
		For >250 To 500, Deduct	*-9.75*	
		For >500, Deduct	*-12.82*	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	105.64	47.99
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-7.08*	
		For >250 To 500, Deduct	*-10.56*	
		For >500, Deduct	*-14.05*	
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	105.64	47.99
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-7.08*	
		For >250 To 500, Deduct	*-10.56*	
		For >500, Deduct	*-14.05*	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	105.64	47.99
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-7.08*	
		For >250 To 500, Deduct	*-10.56*	
		For >500, Deduct	*-14.05*	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	105.64	47.99
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-7.08*	
		For >250 To 500, Deduct	*-10.56*	
		For >500, Deduct	*-14.05*	
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	105.64	47.99
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-7.08*	
		For >250 To 500, Deduct	*-10.56*	
		For >500, Deduct	*-14.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	79.96	22.40
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-8.00*	
		For >500, Deduct	*-11.15*	
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	82.34	22.40
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.51*	
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	91.13	47.99
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-6.36*	
		For >250 To 500, Deduct	*-9.11*	
		For >500, Deduct	*-11.87*	
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	91.42	47.99
		For >50 To 100, Deduct	*-4.09*	
		For >100 To 250, Deduct	*-6.37*	
		For >250 To 500, Deduct	*-9.14*	
		For >500, Deduct	*-11.91*	
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	86.48	47.99
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-6.12*	
		For >250 To 500, Deduct	*-8.65*	
		For >500, Deduct	*-11.17*	
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	88.91	47.99
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	88.11	47.99
		For >50 To 100, Deduct	*-4.00*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-8.81*	
		For >500, Deduct	*-11.42*	
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	88.85	47.99
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.24*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.53*	
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	99.25	47.99
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 250, Deduct	*-6.76*	
		For >250 To 500, Deduct	*-9.93*	
		For >500, Deduct	*-13.09*	
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	99.81	47.99
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 250, Deduct	*-6.79*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.17*	
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	102.61	47.99
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 250, Deduct	*-6.93*	
		For >250 To 500, Deduct	*-10.26*	
		For >500, Deduct	*-13.59*	
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	104.57	47.99
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 250, Deduct	*-7.03*	
		For >250 To 500, Deduct	*-10.46*	
		For >500, Deduct	*-13.89*	
26 51 19 00-0230	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	113.18	47.99
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-7.46*	
		For >250 To 500, Deduct	*-11.32*	
		For >500, Deduct	*-15.18*	

26 51 19 00-0231 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0122)*

26 51 19 00-0232	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	204.08	70.39
		For >50 To 100, Deduct	*-7.74*	
		For >100 To 250, Deduct	*-12.84*	
		For >250 To 500, Deduct	*-20.41*	
		For >500, Deduct	*-27.97*	
26 51 19 00-0233	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	206.61	70.39
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-12.97*	
		For >250 To 500, Deduct	*-20.66*	
		For >500, Deduct	*-28.35*	
26 51 19 00-0234	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	214.19	70.39
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-21.42*	
		For >500, Deduct	*-29.49*	
26 51 19 00-0235	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	199.02	70.39
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-12.59*	
		For >250 To 500, Deduct	*-19.90*	
		For >500, Deduct	*-27.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0236	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	199.02	70.39
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-12.59*	
		For >250 To 500, Deduct	*-19.90*	
		For >500, Deduct	*-27.21*	
26 51 19 00-0237	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	199.02	70.39
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-12.59*	
		For >250 To 500, Deduct	*-19.90*	
		For >500, Deduct	*-27.21*	
26 51 19 00-0238	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	214.19	70.39
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-21.42*	
		For >500, Deduct	*-29.49*	
26 51 19 00-0239	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	216.71	70.39
		For >50 To 100, Deduct	*-8.06*	
		For >100 To 250, Deduct	*-13.48*	
		For >250 To 500, Deduct	*-21.67*	
		For >500, Deduct	*-29.87*	
26 51 19 00-0240	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	221.75	70.39
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 250, Deduct	*-13.73*	
		For >250 To 500, Deduct	*-22.18*	
		For >500, Deduct	*-30.62*	
26 51 19 00-0241	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	236.90	70.39
		For >50 To 100, Deduct	*-8.56*	
		For >100 To 250, Deduct	*-14.48*	
		For >250 To 500, Deduct	*-23.69*	
		For >500, Deduct	*-32.90*	
26 51 19 00-0242	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	257.11	70.39
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 250, Deduct	*-15.50*	
		For >250 To 500, Deduct	*-25.71*	
		For >500, Deduct	*-35.93*	

26 51 19 00-0243 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0121)*

26 51 19 00-0244 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0243)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0245	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	120.76	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-7.04*	
		For >250 To 500, Deduct	*-12.08*	
		For >500, Deduct	*-17.11*	
26 51 19 00-0246	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	107.66	
		For >50 To 100, Deduct	*-3.69*	
		For >100 To 250, Deduct	*-6.38*	
		For >250 To 500, Deduct	*-10.77*	
		For >500, Deduct	*-15.15*	
26 51 19 00-0247	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	133.86	
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-7.69*	
		For >250 To 500, Deduct	*-13.39*	
		For >500, Deduct	*-19.08*	
26 51 19 00-0248	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	149.13	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-8.46*	
		For >250 To 500, Deduct	*-14.91*	
		For >500, Deduct	*-21.37*	
26 51 19 00-0249	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	162.23	
		For >50 To 100, Deduct	*-5.06*	
		For >100 To 250, Deduct	*-9.11*	
		For >250 To 500, Deduct	*-16.22*	
		For >500, Deduct	*-23.33*	

26 51 19 00-0250 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0243)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0251	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	45.82	11.20
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 500, Deduct	*-4.58*	
		For >500, Deduct	*-6.27*	
26 51 19 00-0252	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	54.56	11.20
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-5.46*	
		For >500, Deduct	*-7.58*	
26 51 19 00-0253	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	48.01	11.20
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 500, Deduct	*-4.80*	
		For >500, Deduct	*-6.60*	

26 51 19 00-0254 Recessed LED Downlight Fixture Housings (CREE®) *(26 51 19 00-0243)*

Note: Excludes lamp and trim.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0255	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	124.39	47.99
		For >50 To 100, Deduct	*-4.91*	
		For >100 To 250, Deduct	*-8.02*	
		For >250 To 500, Deduct	*-12.44*	
		For >500, Deduct	*-16.86*	
26 51 19 00-0256	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	93.81	47.99
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-9.38*	
		For >500, Deduct	*-12.27*	
26 51 19 00-0257		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0121)*		
26 51 19 00-0258	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	114.11	43.85
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 250, Deduct	*-7.35*	
		For >250 To 500, Deduct	*-11.41*	
		For >500, Deduct	*-15.47*	
26 51 19 00-0259	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	95.32	43.85
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-9.53*	
		For >500, Deduct	*-12.65*	
26 51 19 00-0260	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	95.32	43.85
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-9.53*	
		For >500, Deduct	*-12.65*	
26 51 19 00-0261	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	155.93	43.85
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*58.64*	
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 250, Deduct	*-9.44*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-21.75*	
26 51 19 00-0262	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	84.74	43.85
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-5.88*	
		For >250 To 500, Deduct	*-8.47*	
		For >500, Deduct	*-11.07*	
26 51 19 00-0263	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	92.36	43.85
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-6.26*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-12.21*	
26 51 19 00-0264	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	959.58	43.85
		For >50 To 100, Deduct	*-25.63*	
		For >100 To 250, Deduct	*-49.62*	
		For >250 To 500, Deduct	*-95.96*	
		For >500, Deduct	*-142.29*	
26 51 19 00-0265		**Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)*		
26 51 19 00-0266	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	434.59	68.11
		For >50 To 100, Deduct	*-13.42*	
		For >100 To 250, Deduct	*-24.29*	
		For >250 To 500, Deduct	*-43.46*	
		For >500, Deduct	*-62.63*	
26 51 19 00-0267		**Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0268		**LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0267)*		
26 51 19 00-0269	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	562.88	63.99
		For >50 To 100, Deduct	*-16.47*	
		For >100 To 250, Deduct	*-30.54*	
		For >250 To 500, Deduct	*-56.29*	
		For >500, Deduct	*-82.03*	
26 51 19 00-0270		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0267)*		
26 51 19 00-0271	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	322.05	63.99
		For >50 To 100, Deduct	*-10.45*	
		For >100 To 250, Deduct	*-18.50*	
		For >250 To 500, Deduct	*-32.21*	
		For >500, Deduct	*-45.91*	
26 51 19 00-0272		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0267)*		
26 51 19 00-0273	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	168.12	63.99
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-16.81*	
		For >500, Deduct	*-22.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0274	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	150.36	63.99
		For >50 To 100, Deduct	*-6.16*	
		For >100 To 250, Deduct	*-9.92*	
		For >250 To 500, Deduct	*-15.04*	
		For >500, Deduct	*-20.15*	
26 51 19 00-0275		Concealed Continuous LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0276		Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 19 00-0275)*		
26 51 19 00-0277	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	742.72	7.31
		For >50 To 100, Deduct	*-18.93*	
		For >100 To 250, Deduct	*-37.50*	
		For >250 To 500, Deduct	*-74.27*	
		For >500, Deduct	*-111.04*	
26 51 19 00-0278	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	846.39	7.31
		For >50 To 100, Deduct	*-21.53*	
		For >100 To 250, Deduct	*-42.68*	
		For >250 To 500, Deduct	*-84.64*	
		For >500, Deduct	*-126.59*	
26 51 19 00-0279		Low Bay LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0280		LED Linear Low Bay Fixtures (PlanLED) *(26 51 19 00-0279)*		
26 51 19 00-0281	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	408.58	87.69
		For >50 To 100, Deduct	*-13.87*	
		For >100 To 250, Deduct	*-24.08*	
		For >250 To 500, Deduct	*-40.86*	
		For >500, Deduct	*-57.63*	
26 51 19 00-0282	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	544.17	87.69
		For >50 To 100, Deduct	*-17.26*	
		For >100 To 250, Deduct	*-30.86*	
		For >250 To 500, Deduct	*-54.42*	
		For >500, Deduct	*-77.97*	
26 51 19 00-0283	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	893.46	109.62
		For >50 To 100, Deduct	*-26.90*	
		For >100 To 250, Deduct	*-49.24*	
		For >250 To 500, Deduct	*-89.35*	
		For >500, Deduct	*-129.45*	
26 51 19 00-0284		LED Low Bay Fixtures (CREE®) *(26 51 19 00-0279)*		
26 51 19 00-0285		LED Low Bay Fixtures (CREE® LS) *(26 51 19 00-0284)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0286	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	363.24	87.69
		For >50 To 100, Deduct	*-12.73*	
		For >100 To 250, Deduct	*-21.82*	
		For >250 To 500, Deduct	*-36.32*	
		For >500, Deduct	*-50.83*	
26 51 19 00-0287	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	385.50	87.69
		For >50 To 100, Deduct	*-13.29*	
		For >100 To 250, Deduct	*-22.93*	
		For >250 To 500, Deduct	*-38.55*	
		For >500, Deduct	*-54.17*	
26 51 19 00-0288	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	372.52	87.69
		For >50 To 100, Deduct	*-12.97*	
		For >100 To 250, Deduct	*-22.28*	
		For >250 To 500, Deduct	*-37.25*	
		For >500, Deduct	*-52.22*	
26 51 19 00-0289	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	394.78	87.69
		For >50 To 100, Deduct	*-13.52*	
		For >100 To 250, Deduct	*-23.39*	
		For >250 To 500, Deduct	*-39.48*	
		For >500, Deduct	*-55.56*	
26 51 19 00-0290	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	411.48	87.69
		For >50 To 100, Deduct	*-13.94*	
		For >100 To 250, Deduct	*-24.23*	
		For >250 To 500, Deduct	*-41.15*	
		For >500, Deduct	*-58.07*	
26 51 19 00-0291	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	433.75	87.69
		For >50 To 100, Deduct	*-14.50*	
		For >100 To 250, Deduct	*-25.34*	
		For >250 To 500, Deduct	*-43.38*	
		For >500, Deduct	*-61.41*	
26 51 19 00-0292	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	572.35	109.62
		For >50 To 100, Deduct	*-18.88*	
		For >100 To 250, Deduct	*-33.19*	
		For >250 To 500, Deduct	*-57.24*	
		For >500, Deduct	*-81.29*	
26 51 19 00-0293	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	613.17	109.62
		For >50 To 100, Deduct	*-19.90*	
		For >100 To 250, Deduct	*-35.23*	
		For >250 To 500, Deduct	*-61.32*	
		For >500, Deduct	*-87.41*	
26 51 19 00-0294	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	698.52	109.62
		For >50 To 100, Deduct	*-22.03*	
		For >100 To 250, Deduct	*-39.49*	
		For >250 To 500, Deduct	*-69.85*	
		For >500, Deduct	*-100.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0295	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	720.78	109.62
		For >50 To 100, Deduct	*-22.59*	
		For >100 To 250, Deduct	*-40.61*	
		For >250 To 500, Deduct	*-72.08*	
		For >500, Deduct	*-103.55*	

26 51 19 00-0296 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0284)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0297	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	775.15	87.69
		For >50 To 100, Deduct	*-23.03*	
		For >100 To 250, Deduct	*-42.41*	
		For >250 To 500, Deduct	*-77.52*	
		For >500, Deduct	*-112.62*	
26 51 19 00-0298	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	867.92	87.69
		For >50 To 100, Deduct	*-25.35*	
		For >100 To 250, Deduct	*-47.05*	
		For >250 To 500, Deduct	*-86.79*	
		For >500, Deduct	*-126.53*	

26 51 19 00-0299 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0284)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0300	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	752.26	87.69
		For >50 To 100, Deduct	*-22.46*	
		For >100 To 250, Deduct	*-41.27*	
		For >250 To 500, Deduct	*-75.23*	
		For >500, Deduct	*-109.19*	
26 51 19 00-0301	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	935.06	109.62
		For >50 To 100, Deduct	*-27.94*	
		For >100 To 250, Deduct	*-51.32*	
		For >250 To 500, Deduct	*-93.51*	
		For >500, Deduct	*-135.69*	
26 51 19 00-0302	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,177.36	109.62
		For >50 To 100, Deduct	*-34.00*	
		For >100 To 250, Deduct	*-63.44*	
		For >250 To 500, Deduct	*-117.74*	
		For >500, Deduct	*-172.04*	

26 51 19 00-0303 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0284)*

26 51 19 00-0304	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	72.81	24.04
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-9.92*	
26 51 19 00-0305	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	79.36	24.04
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-10.90*	
26 51 19 00-0306	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	61.88	24.04
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-6.19*	
		For >500, Deduct	*-8.28*	
26 51 19 00-0307	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	50.97	24.04
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.10*	
		For >500, Deduct	*-6.64*	
26 51 19 00-0308	EA	Solid Reflector, Pair (Cree® LS4-SR)	149.20	24.04
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-8.46*	
		For >250 To 500, Deduct	*-14.92*	
		For >500, Deduct	*-21.38*	
26 51 19 00-0309	EA	Solid Reflector, Pair (Cree® LS8-SR)	203.79	24.04
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-11.19*	
		For >250 To 500, Deduct	*-20.38*	
		For >500, Deduct	*-29.57*	
26 51 19 00-0310	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	79.36	24.04
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-10.90*	
26 51 19 00-0311	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	109.92	24.04
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.50*	
		For >250 To 500, Deduct	*-10.99*	
		For >500, Deduct	*-15.49*	
26 51 19 00-0312	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	88.08	24.04
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-8.81*	
		For >500, Deduct	*-12.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0313	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	116.47	24.04
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-6.83*	
		For >250 To 500, Deduct	*-11.65*	
		For >500, Deduct	*-16.47*	
26 51 19 00-0314	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	123.02	24.04
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-7.15*	
		For >250 To 500, Deduct	*-12.30*	
		For >500, Deduct	*-17.45*	
26 51 19 00-0315	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	105.54	24.04
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 500, Deduct	*-10.55*	
		For >500, Deduct	*-14.83*	
26 51 19 00-0316	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	155.75	24.04
		For >50 To 100, Deduct	*-4.90*	
		For >100 To 250, Deduct	*-8.79*	
		For >250 To 500, Deduct	*-15.58*	
		For >500, Deduct	*-22.36*	
26 51 19 00-0317	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	83.72	24.04
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.56*	
26 51 19 00-0318	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	101.18	24.04
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-10.12*	
		For >500, Deduct	*-14.18*	
26 51 19 00-0319	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	79.36	24.04
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-10.90*	
26 51 19 00-0320	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,451.99	58.46
		For >50 To 100, Deduct	*-38.49*	
		For >100 To 250, Deduct	*-74.79*	
		For >250 To 500, Deduct	*-145.20*	
		For >500, Deduct	*-215.61*	
26 51 19 00-0321	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	524.26	58.46
		For >50 To 100, Deduct	*-15.30*	
		For >100 To 250, Deduct	*-28.41*	
		For >250 To 500, Deduct	*-52.43*	
		For >500, Deduct	*-76.45*	

26 51 19 00-0322 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0279)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0323	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	1,036.86	87.69
		For >50 To 100, Deduct	*-29.58*	
		For >100 To 250, Deduct	*-55.50*	
		For >250 To 500, Deduct	*-103.69*	
		For >500, Deduct	*-151.88*	

26 51 19 00-0324 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0325 LED High Bay Fixtures (Cree) *(26 51 19 00-0324)*

26 51 19 00-0326 LED High Bay Fixtures (CREE®) *(26 51 19 00-0325)*

26 51 19 00-0327	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	950.54	160.77
		For >50 To 100, Deduct	*-31.80*	
		For >100 To 250, Deduct	*-55.57*	
		For >250 To 500, Deduct	*-95.05*	
		For >500, Deduct	*-134.54*	
26 51 19 00-0328	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,129.20	160.77
		For >50 To 100, Deduct	*-36.27*	
		For >100 To 250, Deduct	*-64.50*	
		For >250 To 500, Deduct	*-112.92*	
		For >500, Deduct	*-161.34*	
26 51 19 00-0329	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	1,041.90	160.77
		For >50 To 100, Deduct	*-34.09*	
		For >100 To 250, Deduct	*-60.13*	
		For >250 To 500, Deduct	*-104.19*	
		For >500, Deduct	*-148.25*	
26 51 19 00-0330	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,183.79	160.77
		For >50 To 100, Deduct	*-37.63*	
		For >100 To 250, Deduct	*-67.23*	
		For >250 To 500, Deduct	*-118.38*	
		For >500, Deduct	*-169.53*	
26 51 19 00-0331	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	982.08	160.77
		For >50 To 100, Deduct	*-32.59*	
		For >100 To 250, Deduct	*-57.14*	
		For >250 To 500, Deduct	*-98.21*	
		For >500, Deduct	*-139.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0332	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	1,161.95	160.77
		For >50 To 100, Deduct	*-37.09*	
		For >100 To 250, Deduct	*-66.14*	
		For >250 To 500, Deduct	*-116.20*	
		For >500, Deduct	*-166.25*	
26 51 19 00-0333	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	1,074.63	160.77
		For >50 To 100, Deduct	*-34.90*	
		For >100 To 250, Deduct	*-61.77*	
		For >250 To 500, Deduct	*-107.46*	
		For >500, Deduct	*-153.16*	
26 51 19 00-0334	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,216.52	160.77
		For >50 To 100, Deduct	*-38.45*	
		For >100 To 250, Deduct	*-68.86*	
		For >250 To 500, Deduct	*-121.65*	
		For >500, Deduct	*-174.44*	

26 51 19 00-0335 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0325)*

26 51 19 00-0336	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	72.81	24.04
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-9.92*	
26 51 19 00-0337	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	72.81	24.04
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-9.92*	
26 51 19 00-0338	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	94.63	24.04
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.73*	
		For >250 To 500, Deduct	*-9.46*	
		For >500, Deduct	*-13.19*	
26 51 19 00-0339	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	138.29	24.04
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 250, Deduct	*-7.92*	
		For >250 To 500, Deduct	*-13.83*	
		For >500, Deduct	*-19.74*	
26 51 19 00-0340	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	160.13	24.04
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 250, Deduct	*-9.01*	
		For >250 To 500, Deduct	*-16.01*	
		For >500, Deduct	*-23.02*	
26 51 19 00-0341	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	94.63	24.04
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.73*	
		For >250 To 500, Deduct	*-9.46*	
		For >500, Deduct	*-13.19*	
26 51 19 00-0342	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	96.82	24.04
		For >50 To 100, Deduct	*-3.42*	
		For >100 To 250, Deduct	*-5.84*	
		For >250 To 500, Deduct	*-9.68*	
		For >500, Deduct	*-13.52*	
26 51 19 00-0343	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	72.81	24.04
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-9.92*	
26 51 19 00-0344	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	77.17	24.04
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-7.72*	
		For >500, Deduct	*-10.57*	
26 51 19 00-0345	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	53.16	24.04
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-5.32*	
		For >500, Deduct	*-6.97*	
26 51 19 00-0346	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	55.35	24.04
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-5.54*	
		For >500, Deduct	*-7.30*	

26 51 19 00-0347 LED High Bay Fixtures (Everlast) *(26 51 19 00-0324)*

26 51 19 00-0348 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0347)*

26 51 19 00-0349	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,065.10	160.77
		For >50 To 100, Deduct	*-34.67*	
		For >100 To 250, Deduct	*-61.29*	
		For >250 To 500, Deduct	*-106.51*	
		For >500, Deduct	*-151.73*	
26 51 19 00-0350	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,121.96	160.77
		For >50 To 100, Deduct	*-36.09*	
		For >100 To 250, Deduct	*-64.14*	
		For >250 To 500, Deduct	*-112.20*	
		For >500, Deduct	*-160.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0351	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,008.24	160.77
		For >50 To 100, Deduct	*-33.24*	
		For >100 To 250, Deduct	*-58.45*	
		For >250 To 500, Deduct	*-100.82*	
		For >500, Deduct	*-143.20*	
26 51 19 00-0352	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,032.30	160.77
		For >50 To 100, Deduct	*-33.85*	
		For >100 To 250, Deduct	*-59.65*	
		For >250 To 500, Deduct	*-103.23*	
		For >500, Deduct	*-146.81*	
26 51 19 00-0353	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,163.51	160.77
		For >50 To 100, Deduct	*-37.13*	
		For >100 To 250, Deduct	*-66.21*	
		For >250 To 500, Deduct	*-116.35*	
		For >500, Deduct	*-166.49*	
26 51 19 00-0354	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,261.92	160.77
		For >50 To 100, Deduct	*-39.59*	
		For >100 To 250, Deduct	*-71.13*	
		For >250 To 500, Deduct	*-126.19*	
		For >500, Deduct	*-181.25*	
26 51 19 00-0355	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,111.03	160.77
		For >50 To 100, Deduct	*-35.81*	
		For >100 To 250, Deduct	*-63.59*	
		For >250 To 500, Deduct	*-111.10*	
		For >500, Deduct	*-158.62*	
26 51 19 00-0356	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,196.32	160.77
		For >50 To 100, Deduct	*-37.95*	
		For >100 To 250, Deduct	*-67.85*	
		For >250 To 500, Deduct	*-119.63*	
		For >500, Deduct	*-171.41*	
26 51 19 00-0357	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,710.25	160.77
		For >50 To 100, Deduct	*-50.79*	
		For >100 To 250, Deduct	*-93.55*	
		For >250 To 500, Deduct	*-171.03*	
		For >500, Deduct	*-248.50*	
26 51 19 00-0358	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,863.33	160.77
		For >50 To 100, Deduct	*-54.62*	
		For >100 To 250, Deduct	*-101.21*	
		For >250 To 500, Deduct	*-186.33*	
		For >500, Deduct	*-271.46*	
26 51 19 00-0359	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,300.72	160.77
		For >50 To 100, Deduct	*-65.56*	
		For >100 To 250, Deduct	*-123.07*	
		For >250 To 500, Deduct	*-230.07*	
		For >500, Deduct	*-337.07*	

26 51 19 00-0360 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0347)*

26 51 19 00-0361	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	693.32	160.77
		For >50 To 100, Deduct	*-25.37*	
		For >100 To 250, Deduct	*-42.70*	
		For >250 To 500, Deduct	*-69.33*	
		For >500, Deduct	*-95.96*	
26 51 19 00-0362	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	988.56	160.77
		For >50 To 100, Deduct	*-32.75*	
		For >100 To 250, Deduct	*-57.47*	
		For >250 To 500, Deduct	*-98.86*	
		For >500, Deduct	*-140.25*	
26 51 19 00-0363	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,119.77	160.77
		For >50 To 100, Deduct	*-36.03*	
		For >100 To 250, Deduct	*-64.03*	
		For >250 To 500, Deduct	*-111.98*	
		For >500, Deduct	*-159.93*	
26 51 19 00-0364	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,272.86	160.77
		For >50 To 100, Deduct	*-39.86*	
		For >100 To 250, Deduct	*-71.68*	
		For >250 To 500, Deduct	*-127.29*	
		For >500, Deduct	*-182.89*	
26 51 19 00-0365	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,371.27	160.77
		For >50 To 100, Deduct	*-42.32*	
		For >100 To 250, Deduct	*-76.60*	
		For >250 To 500, Deduct	*-137.13*	
		For >500, Deduct	*-197.65*	

26 51 19 00-0366 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0347)*

26 51 19 00-0367	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	890.14	160.77
		For >50 To 100, Deduct	*-30.29*	
		For >100 To 250, Deduct	*-52.55*	
		For >250 To 500, Deduct	*-89.01*	
		For >500, Deduct	*-125.48*	
26 51 19 00-0368	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	944.82	160.77
		For >50 To 100, Deduct	*-31.66*	
		For >100 To 250, Deduct	*-55.28*	
		For >250 To 500, Deduct	*-94.48*	
		For >500, Deduct	*-133.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0369	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	1,021.36	160.77
		For >50 To 100, Deduct	*-33.57*	
		For >100 To 250, Deduct	*-59.11*	
		For >250 To 500, Deduct	*-102.14*	
		For >500, Deduct	*-145.17*	

26 51 19 00-0370 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0347)*

26 51 19 00-0371	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	903.27	160.77
		For >50 To 100, Deduct	*-30.62*	
		For >100 To 250, Deduct	*-53.20*	
		For >250 To 500, Deduct	*-90.33*	
		For >500, Deduct	*-127.45*	
26 51 19 00-0372	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,097.90	160.77
		For >50 To 100, Deduct	*-35.49*	
		For >100 To 250, Deduct	*-62.93*	
		For >250 To 500, Deduct	*-109.79*	
		For >500, Deduct	*-156.65*	
26 51 19 00-0373	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,349.40	160.77
		For >50 To 100, Deduct	*-41.77*	
		For >100 To 250, Deduct	*-75.51*	
		For >250 To 500, Deduct	*-134.94*	
		For >500, Deduct	*-194.37*	

26 51 19 00-0374 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0324)*

26 51 19 00-0375	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	516.55	157.85
		For >50 To 100, Deduct	*-18.92*	
		For >100 To 250, Deduct	*-31.83*	
		For >250 To 500, Deduct	*-51.66*	
		For >500, Deduct	*-71.48*	
26 51 19 00-0376	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	535.34	157.85
		For >50 To 100, Deduct	*-19.39*	
		For >100 To 250, Deduct	*-32.77*	
		For >250 To 500, Deduct	*-53.53*	
		For >500, Deduct	*-74.30*	
26 51 19 00-0377	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	577.62	157.85
		For >50 To 100, Deduct	*-20.44*	
		For >100 To 250, Deduct	*-34.88*	
		For >250 To 500, Deduct	*-57.76*	
		For >500, Deduct	*-80.64*	
26 51 19 00-0378	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	644.37	157.85
		For >50 To 100, Deduct	*-22.11*	
		For >100 To 250, Deduct	*-38.22*	
		For >250 To 500, Deduct	*-64.44*	
		For >500, Deduct	*-90.65*	
26 51 19 00-0379	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	698.71	157.85
		For >50 To 100, Deduct	*-23.47*	
		For >100 To 250, Deduct	*-40.94*	
		For >250 To 500, Deduct	*-69.87*	
		For >500, Deduct	*-98.80*	
26 51 19 00-0380	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	826.46	157.85
		For >50 To 100, Deduct	*-26.66*	
		For >100 To 250, Deduct	*-47.33*	
		For >250 To 500, Deduct	*-82.65*	
		For >500, Deduct	*-117.97*	
26 51 19 00-0381	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	989.55	157.85
		For >50 To 100, Deduct	*-30.74*	
		For >100 To 250, Deduct	*-55.48*	
		For >250 To 500, Deduct	*-98.96*	
		For >500, Deduct	*-142.43*	
26 51 19 00-0382	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,422.54	160.77
		For >50 To 100, Deduct	*-43.60*	
		For >100 To 250, Deduct	*-79.17*	
		For >250 To 500, Deduct	*-142.25*	
		For >500, Deduct	*-205.34*	

26 51 19 00-0383 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0324)*

26 51 19 00-0384	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	715.47	160.77
		For >50 To 100, Deduct	*-25.93*	
		For >100 To 250, Deduct	*-43.81*	
		For >250 To 500, Deduct	*-71.55*	
		For >500, Deduct	*-99.28*	
26 51 19 00-0385	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	766.91	160.77
		For >50 To 100, Deduct	*-27.21*	
		For >100 To 250, Deduct	*-46.38*	
		For >250 To 500, Deduct	*-76.69*	
		For >500, Deduct	*-107.00*	
26 51 19 00-0386	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	905.78	160.77
		For >50 To 100, Deduct	*-30.68*	
		For >100 To 250, Deduct	*-53.33*	
		For >250 To 500, Deduct	*-90.58*	
		For >500, Deduct	*-127.83*	
26 51 19 00-0387	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	961.33	160.77
		For >50 To 100, Deduct	*-32.07*	
		For >100 To 250, Deduct	*-56.11*	
		For >250 To 500, Deduct	*-96.13*	
		For >500, Deduct	*-136.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0388			**LED High Bay Fixtures (Metalux SSLED)** *(26 51 19 00-0324)*		
	26 51 19 00-0389	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	831.41	160.77
			For >50 To 100, Deduct	*-28.82*	
			For >100 To 250, Deduct	*-49.61*	
			For >250 To 500, Deduct	*-83.14*	
			For >500, Deduct	*-116.67*	
	26 51 19 00-0390	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	851.44	160.77
			For >50 To 100, Deduct	*-29.32*	
			For >100 To 250, Deduct	*-50.61*	
			For >250 To 500, Deduct	*-85.14*	
			For >500, Deduct	*-119.68*	
	26 51 19 00-0391	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	859.51	160.77
			For >50 To 100, Deduct	*-29.53*	
			For >100 To 250, Deduct	*-51.01*	
			For >250 To 500, Deduct	*-85.95*	
			For >500, Deduct	*-120.89*	
	26 51 19 00-0392	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	936.31	160.77
			For >50 To 100, Deduct	*-31.45*	
			For >100 To 250, Deduct	*-54.85*	
			For >250 To 500, Deduct	*-93.63*	
			For >500, Deduct	*-132.41*	
	26 51 19 00-0393	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	1,025.77	160.77
			For >50 To 100, Deduct	*-33.68*	
			For >100 To 250, Deduct	*-59.33*	
			For >250 To 500, Deduct	*-102.58*	
			For >500, Deduct	*-145.83*	
	26 51 19 00-0394	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	1,059.34	160.77
			For >50 To 100, Deduct	*-34.52*	
			For >100 To 250, Deduct	*-61.01*	
			For >250 To 500, Deduct	*-105.93*	
			For >500, Deduct	*-150.86*	
26 51 19 00-0395			**LED High Bay Fixtures (PlanLED)** *(26 51 19 00-0324)*		
26 51 19 00-0396			**LED High Bay Fixtures (PlanLED LUNA)** *(26 51 19 00-0395)*		
			Note: Includes aluminum alloy chassis.		
	26 51 19 00-0397	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	1,038.86	160.77
			For >50 To 100, Deduct	*-34.01*	
			For >100 To 250, Deduct	*-59.98*	
			For >250 To 500, Deduct	*-103.89*	
			For >500, Deduct	*-147.79*	
	26 51 19 00-0398	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,161.32	160.77
			For >50 To 100, Deduct	*-37.07*	
			For >100 To 250, Deduct	*-66.10*	
			For >250 To 500, Deduct	*-116.13*	
			For >500, Deduct	*-166.16*	
	26 51 19 00-0399	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,338.47	160.77
			For >50 To 100, Deduct	*-41.50*	
			For >100 To 250, Deduct	*-74.96*	
			For >250 To 500, Deduct	*-133.85*	
			For >500, Deduct	*-192.73*	
	26 51 19 00-0400	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,511.24	160.77
			For >50 To 100, Deduct	*-45.82*	
			For >100 To 250, Deduct	*-83.60*	
			For >250 To 500, Deduct	*-151.12*	
			For >500, Deduct	*-218.65*	
26 51 19 00-0401			**LED High Bay Fixtures (PlanLED IBL)** *(26 51 19 00-0395)*		
			Note: Includes aluminum alloy chassis.		
	26 51 19 00-0402	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,126.33	160.77
			For 480 Volt, Add	*61.39*	
			For >50 To 100, Deduct	*-36.20*	
			For >100 To 250, Deduct	*-64.36*	
			For >250 To 500, Deduct	*-112.63*	
			For >500, Deduct	*-160.91*	
	26 51 19 00-0403	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,552.79	160.77
			For 480 Volt, Add	*77.79*	
			For >50 To 100, Deduct	*-46.86*	
			For >100 To 250, Deduct	*-85.68*	
			For >250 To 500, Deduct	*-155.28*	
			For >500, Deduct	*-224.88*	
	26 51 19 00-0404	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,727.17	160.77
			For 480 Volt, Add	*123.44*	
			For >50 To 100, Deduct	*-76.22*	
			For >100 To 250, Deduct	*-144.40*	
			For >250 To 500, Deduct	*-272.72*	
			For >500, Deduct	*-401.04*	
26 51 19 00-0405			**LED High Bay Fixtures (PlanLED SEGA)** *(26 51 19 00-0395)*		
			Note: Includes aluminum alloy chassis.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0406	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	896.71	160.77
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-30.46*	
		For >100 To 250, Deduct	*-52.87*	
		For >250 To 500, Deduct	*-89.67*	
		For >500, Deduct	*-126.47*	
26 51 19 00-0407	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	955.75	160.77
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-31.93*	
		For >100 To 250, Deduct	*-55.83*	
		For >250 To 500, Deduct	*-95.58*	
		For >500, Deduct	*-135.32*	
26 51 19 00-0408	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,159.14	160.77
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-37.02*	
		For >100 To 250, Deduct	*-66.00*	
		For >250 To 500, Deduct	*-115.91*	
		For >500, Deduct	*-165.83*	
26 51 19 00-0409	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,305.66	160.77
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-40.68*	
		For >100 To 250, Deduct	*-73.32*	
		For >250 To 500, Deduct	*-130.57*	
		For >500, Deduct	*-187.81*	
26 51 19 00-0410	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,386.01	160.77
		For >50 To 100, Deduct	*-67.69*	
		For >100 To 250, Deduct	*-127.34*	
		For >250 To 500, Deduct	*-238.60*	
		For >500, Deduct	*-349.86*	
26 51 19 00-0411	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,578.46	160.77
		For >50 To 100, Deduct	*-72.50*	
		For >100 To 250, Deduct	*-136.96*	
		For >250 To 500, Deduct	*-257.85*	
		For >500, Deduct	*-378.73*	
26 51 19 00-0412	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,903.48	160.77
		For >50 To 100, Deduct	*-105.63*	
		For >100 To 250, Deduct	*-203.21*	
		For >250 To 500, Deduct	*-390.35*	
		For >500, Deduct	*-577.48*	

26 51 19 00-0413 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0414 Wet Location, LED Fixtures *(26 51 19 00-0413)*

26 51 19 00-0415 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0414)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0416	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	3,755.30	122.77
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-99.00*	
		For >100 To 250, Deduct	*-192.88*	
		For >250 To 500, Deduct	*-375.53*	
		For >500, Deduct	*-558.18*	
26 51 19 00-0417	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	3,826.03	131.54
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-101.13*	
		For >100 To 250, Deduct	*-196.78*	
		For >250 To 500, Deduct	*-382.60*	
		For >500, Deduct	*-568.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0418	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,323.77	140.30
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-113.94*	
		For >100 To 250, Deduct	*-222.03*	
		For >250 To 500, Deduct	*-432.38*	
		For >500, Deduct	*-642.72*	
26 51 19 00-0419	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,213.40	149.08
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-136.55*	
		For >100 To 250, Deduct	*-266.88*	
		For >250 To 500, Deduct	*-521.34*	
		For >500, Deduct	*-775.80*	
26 51 19 00-0420	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	6,662.80	157.85
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-173.15*	
		For >100 To 250, Deduct	*-339.72*	
		For >250 To 500, Deduct	*-666.28*	
		For >500, Deduct	*-992.84*	
26 51 19 00-0421	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	8,785.94	162.23
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-226.41*	
		For >100 To 250, Deduct	*-446.06*	
		For >250 To 500, Deduct	*-878.59*	
		For >500, Deduct	*-1,311.13*	
26 51 19 00-0422	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	10,184.62	166.62
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-261.56*	
		For >100 To 250, Deduct	*-516.17*	
		For >250 To 500, Deduct	*-1,018.46*	
		For >500, Deduct	*-1,520.75*	

26 51 19 00-0423 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0414)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0424	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,376.14	131.54
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-89.88*	
		For >100 To 250, Deduct	*-174.29*	
		For >250 To 500, Deduct	*-337.61*	
		For >500, Deduct	*-500.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0425	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	5,005.44	140.30
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-130.98*	
		For >100 To 250, Deduct	*-256.12*	
		For >250 To 500, Deduct	*-500.54*	
		For >500, Deduct	*-744.97*	
26 51 19 00-0426	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	5,521.90	149.08
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-144.26*	
		For >100 To 250, Deduct	*-282.31*	
		For >250 To 500, Deduct	*-552.19*	
		For >500, Deduct	*-822.07*	
26 51 19 00-0427	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	6,345.87	157.85
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-165.22*	
		For >100 To 250, Deduct	*-323.87*	
		For >250 To 500, Deduct	*-634.59*	
		For >500, Deduct	*-945.30*	

26 51 19 00-0428 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0414)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0429	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,327.68	122.77
		For 12/24 Volt DC Driver, Add	*51.38*	
		For Frosted Lens, Add	*104.99*	
		For 55 Degree Ambient Suitability (AC Only), Add	*69.95*	
		For Warm White Color Rendering, Add	*135.16*	
		For Ceiling Mount, Add	*159.62*	
		For Wall Mount, Add	*231.49*	
		For Teflon Coated Lens, Add	*222.85*	
		For Wall Mount With Junction Box, Add	*336.28*	
		For >50 To 100, Deduct	*-63.31*	
		For >100 To 250, Deduct	*-121.50*	
		For >250 To 500, Deduct	*-232.77*	
		For >500, Deduct	*-344.04*	

26 51 19 00-0430 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0431 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0430)*

26 51 19 00-0432	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	148.15	58.46
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 250, Deduct	*-9.60*	
		For >250 To 500, Deduct	*-14.82*	
		For >500, Deduct	*-20.03*	
26 51 19 00-0433	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	154.15	58.46
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-15.42*	
		For >500, Deduct	*-20.93*	
26 51 19 00-0434	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	160.16	58.46
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 250, Deduct	*-10.20*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.83*	
26 51 19 00-0435	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	166.16	58.46
		For >50 To 100, Deduct	*-6.35*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-16.62*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0436	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	163.14	64.31
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.06*	
26 51 19 00-0437	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	169.14	64.31
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-10.87*	
		For >250 To 500, Deduct	*-16.91*	
		For >500, Deduct	*-22.96*	
26 51 19 00-0438	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	175.14	64.31
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-17.51*	
		For >500, Deduct	*-23.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0439	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	181.15	64.31
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.47*	
		For >250 To 500, Deduct	*-18.12*	
		For >500, Deduct	*-24.76*	
26 51 19 00-0440	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	193.15	64.31
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 250, Deduct	*-12.07*	
		For >250 To 500, Deduct	*-19.32*	
		For >500, Deduct	*-26.56*	
26 51 19 00-0441	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	148.15	58.46
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 250, Deduct	*-9.60*	
		For >250 To 500, Deduct	*-14.82*	
		For >500, Deduct	*-20.03*	
26 51 19 00-0442	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	154.15	58.46
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-15.42*	
		For >500, Deduct	*-20.93*	
26 51 19 00-0443	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	160.15	58.46
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 250, Deduct	*-10.20*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.83*	
26 51 19 00-0444	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	166.16	58.46
		For >50 To 100, Deduct	*-6.35*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-16.62*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0445	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	163.14	64.31
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.06*	
26 51 19 00-0446	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	169.14	64.31
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-10.87*	
		For >250 To 500, Deduct	*-16.91*	
		For >500, Deduct	*-22.96*	
26 51 19 00-0447	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	175.14	64.31
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-17.51*	
		For >500, Deduct	*-23.86*	
26 51 19 00-0448	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	181.15	64.31
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.47*	
		For >250 To 500, Deduct	*-18.12*	
		For >500, Deduct	*-24.76*	
26 51 19 00-0449	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	193.15	64.31
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 250, Deduct	*-12.07*	
		For >250 To 500, Deduct	*-19.32*	
		For >500, Deduct	*-26.56*	
26 51 19 00-0450	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	148.15	58.46
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 250, Deduct	*-9.60*	
		For >250 To 500, Deduct	*-14.82*	
		For >500, Deduct	*-20.03*	
26 51 19 00-0451	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	154.15	58.46
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-15.42*	
		For >500, Deduct	*-20.93*	
26 51 19 00-0452	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	160.15	58.46
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 250, Deduct	*-10.20*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.83*	
26 51 19 00-0453	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	166.16	58.46
		For >50 To 100, Deduct	*-6.35*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-16.62*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0454	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	163.14	64.31
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.06*	
26 51 19 00-0455	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	169.14	64.31
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-10.87*	
		For >250 To 500, Deduct	*-16.91*	
		For >500, Deduct	*-22.96*	
26 51 19 00-0456	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	175.14	64.31
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-17.51*	
		For >500, Deduct	*-23.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0457	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	181.15	64.31
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.47*	
		For >250 To 500, Deduct	*-18.12*	
		For >500, Deduct	*-24.76*	
26 51 19 00-0458	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	193.15	64.31
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 250, Deduct	*-12.07*	
		For >250 To 500, Deduct	*-19.32*	
		For >500, Deduct	*-26.56*	
26 51 19 00-0459	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	148.15	58.46
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 250, Deduct	*-9.60*	
		For >250 To 500, Deduct	*-14.82*	
		For >500, Deduct	*-20.03*	
26 51 19 00-0460	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	154.15	58.46
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-15.42*	
		For >500, Deduct	*-20.93*	
26 51 19 00-0461	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	160.15	58.46
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 250, Deduct	*-10.20*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.83*	
26 51 19 00-0462	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	166.16	58.46
		For >50 To 100, Deduct	*-6.35*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-16.62*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0463	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	163.14	64.31
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.06*	
26 51 19 00-0464	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	169.14	64.31
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-10.87*	
		For >250 To 500, Deduct	*-16.91*	
		For >500, Deduct	*-22.96*	
26 51 19 00-0465	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	175.14	64.31
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-17.51*	
		For >500, Deduct	*-23.86*	
26 51 19 00-0466	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	181.15	64.31
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.47*	
		For >250 To 500, Deduct	*-18.12*	
		For >500, Deduct	*-24.76*	
26 51 19 00-0467	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	193.15	64.31
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 250, Deduct	*-12.07*	
		For >250 To 500, Deduct	*-19.32*	
		For >500, Deduct	*-26.56*	
26 51 19 00-0468	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	200.78	69.42
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 250, Deduct	*-12.67*	
		For >250 To 500, Deduct	*-20.08*	
		For >500, Deduct	*-27.49*	
26 51 19 00-0469	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	214.42	69.42
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-21.44*	
		For >500, Deduct	*-29.53*	
26 51 19 00-0470	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	211.09	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.19*	
		For >250 To 500, Deduct	*-21.11*	
		For >500, Deduct	*-29.03*	
26 51 19 00-0471	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	211.03	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-21.10*	
		For >500, Deduct	*-29.02*	
26 51 19 00-0472	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	226.42	69.42
		For >50 To 100, Deduct	*-8.29*	
		For >100 To 250, Deduct	*-13.95*	
		For >250 To 500, Deduct	*-22.64*	
		For >500, Deduct	*-31.33*	
26 51 19 00-0473	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	221.46	69.42
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 250, Deduct	*-13.70*	
		For >250 To 500, Deduct	*-22.15*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0474	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	242.25	69.42
		For >50 To 100, Deduct	*-8.69*	
		For >100 To 250, Deduct	*-14.74*	
		For >250 To 500, Deduct	*-24.23*	
		For >500, Deduct	*-33.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0475	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	235.48	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.40*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.69*	
26 51 19 00-0476	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	235.53	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.70*	
26 51 19 00-0477	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	200.78	69.42
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 250, Deduct	*-12.67*	
		For >250 To 500, Deduct	*-20.08*	
		For >500, Deduct	*-27.49*	
26 51 19 00-0478	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	214.42	69.42
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-21.44*	
		For >500, Deduct	*-29.53*	
26 51 19 00-0479	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	211.09	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.19*	
		For >250 To 500, Deduct	*-21.11*	
		For >500, Deduct	*-29.03*	
26 51 19 00-0480	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	211.03	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-21.10*	
		For >500, Deduct	*-29.02*	
26 51 19 00-0481	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	226.42	69.42
		For >50 To 100, Deduct	*-8.29*	
		For >100 To 250, Deduct	*-13.95*	
		For >250 To 500, Deduct	*-22.64*	
		For >500, Deduct	*-31.33*	
26 51 19 00-0482	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	221.46	69.42
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 250, Deduct	*-13.70*	
		For >250 To 500, Deduct	*-22.15*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0483	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	242.25	69.42
		For >50 To 100, Deduct	*-8.69*	
		For >100 To 250, Deduct	*-14.74*	
		For >250 To 500, Deduct	*-24.23*	
		For >500, Deduct	*-33.71*	
26 51 19 00-0484	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	235.48	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.40*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.69*	
26 51 19 00-0485	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	235.53	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.70*	
26 51 19 00-0486	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	200.78	69.42
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 250, Deduct	*-12.67*	
		For >250 To 500, Deduct	*-20.08*	
		For >500, Deduct	*-27.49*	
26 51 19 00-0487	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	214.42	69.42
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-21.44*	
		For >500, Deduct	*-29.53*	
26 51 19 00-0488	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	211.09	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.19*	
		For >250 To 500, Deduct	*-21.11*	
		For >500, Deduct	*-29.03*	
26 51 19 00-0489	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	211.03	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-21.10*	
		For >500, Deduct	*-29.02*	
26 51 19 00-0490	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	226.42	69.42
		For >50 To 100, Deduct	*-8.29*	
		For >100 To 250, Deduct	*-13.95*	
		For >250 To 500, Deduct	*-22.64*	
		For >500, Deduct	*-31.33*	
26 51 19 00-0491	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	221.46	69.42
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 250, Deduct	*-13.70*	
		For >250 To 500, Deduct	*-22.15*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0492	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	242.25	69.42
		For >50 To 100, Deduct	*-8.69*	
		For >100 To 250, Deduct	*-14.74*	
		For >250 To 500, Deduct	*-24.23*	
		For >500, Deduct	*-33.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0493	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	235.48	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.40*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.69*	
26 51 19 00-0494	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	235.53	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.70*	
26 51 19 00-0495	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	200.78	69.42
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 250, Deduct	*-12.67*	
		For >250 To 500, Deduct	*-20.08*	
		For >500, Deduct	*-27.49*	
26 51 19 00-0496	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	214.42	69.42
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-21.44*	
		For >500, Deduct	*-29.53*	
26 51 19 00-0497	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	211.09	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.19*	
		For >250 To 500, Deduct	*-21.11*	
		For >500, Deduct	*-29.03*	
26 51 19 00-0498	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	211.03	69.42
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-21.10*	
		For >500, Deduct	*-29.02*	
26 51 19 00-0499	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	226.42	69.42
		For >50 To 100, Deduct	*-8.29*	
		For >100 To 250, Deduct	*-13.95*	
		For >250 To 500, Deduct	*-22.64*	
		For >500, Deduct	*-31.33*	
26 51 19 00-0500	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	221.46	69.42
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 250, Deduct	*-13.70*	
		For >250 To 500, Deduct	*-22.15*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0501	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	242.25	69.42
		For >50 To 100, Deduct	*-8.69*	
		For >100 To 250, Deduct	*-14.74*	
		For >250 To 500, Deduct	*-24.23*	
		For >500, Deduct	*-33.71*	
26 51 19 00-0502	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	235.48	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.40*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.69*	
26 51 19 00-0503	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	235.53	69.42
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-32.70*	

26 51 19 00-0504 Ceiling Mounted, LED Mushroom Fixtures (Mobern) *(26 51 19 00-0430)*

26 51 19 00-0505	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	215.99	64.31
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-13.21*	
		For >250 To 500, Deduct	*-21.60*	
		For >500, Deduct	*-29.99*	

26 51 19 00-0506 Ceiling Mounted, LED Fixtures (Sylvania) *(26 51 19 00-0430)*

26 51 19 00-0507	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	749.55	69.42
		For >50 To 100, Deduct	*-21.37*	
		For >100 To 250, Deduct	*-40.11*	
		For >250 To 500, Deduct	*-74.96*	
		For >500, Deduct	*-109.80*	
26 51 19 00-0508	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	298.56	58.46
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 250, Deduct	*-17.12*	
		For >250 To 500, Deduct	*-29.86*	
		For >500, Deduct	*-42.59*	
26 51 19 00-0509	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	370.20	68.11
		For >50 To 100, Deduct	*-11.81*	
		For >100 To 250, Deduct	*-21.07*	
		For >250 To 500, Deduct	*-37.02*	
		For >500, Deduct	*-52.97*	
26 51 19 00-0510	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	374.29	68.11
		For >50 To 100, Deduct	*-11.92*	
		For >100 To 250, Deduct	*-21.27*	
		For >250 To 500, Deduct	*-37.43*	
		For >500, Deduct	*-53.59*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0511			Refrigeration/Display LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0512			Refrigeration/Display LED Fixtures (Lithonia) *(26 51 19 00-0511)*		
			Note: Fixtures exclude driver.		
26 51 19 00-0513		EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	311.91	68.11
			For >50 To 100, Deduct	*-10.36*	
			For >100 To 250, Deduct	*-18.15*	
			For >250 To 500, Deduct	*-31.19*	
			For >500, Deduct	*-44.23*	
26 51 19 00-0514		EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	419.04	120.58
			For >50 To 100, Deduct	*-15.04*	
			For >100 To 250, Deduct	*-25.52*	
			For >250 To 500, Deduct	*-41.90*	
			For >500, Deduct	*-58.29*	
26 51 19 00-0515		EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	378.63	96.46
			For >50 To 100, Deduct	*-13.12*	
			For >100 To 250, Deduct	*-22.59*	
			For >250 To 500, Deduct	*-37.86*	
			For >500, Deduct	*-53.14*	
26 51 19 00-0516			Pendant Mount, LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0517			Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) *(26 51 19 00-0516)*		
26 51 19 00-0518		EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,729.13	149.08
			For >50 To 100, Deduct	*-74.44*	
			For >100 To 250, Deduct	*-142.67*	
			For >250 To 500, Deduct	*-272.91*	
			For >500, Deduct	*-403.16*	
26 51 19 00-0519		EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,099.96	157.85
			For >50 To 100, Deduct	*-109.08*	
			For >100 To 250, Deduct	*-211.58*	
			For >250 To 500, Deduct	*-410.00*	
			For >500, Deduct	*-608.42*	
26 51 19 00-0520		EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,224.77	166.62
			For >50 To 100, Deduct	*-137.56*	
			For >100 To 250, Deduct	*-268.18*	
			For >250 To 500, Deduct	*-522.48*	
			For >500, Deduct	*-776.77*	
26 51 19 00-0521		EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,595.62	175.39
			For >50 To 100, Deduct	*-172.20*	
			For >100 To 250, Deduct	*-337.09*	
			For >250 To 500, Deduct	*-659.56*	
			For >500, Deduct	*-982.04*	
26 51 19 00-0522		EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,891.79	149.08
			For >50 To 100, Deduct	*-78.51*	
			For >100 To 250, Deduct	*-150.80*	
			For >250 To 500, Deduct	*-289.18*	
			For >500, Deduct	*-427.56*	
26 51 19 00-0523		EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,315.50	157.85
			For >50 To 100, Deduct	*-114.46*	
			For >100 To 250, Deduct	*-222.35*	
			For >250 To 500, Deduct	*-431.55*	
			For >500, Deduct	*-640.75*	
26 51 19 00-0524		EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,442.34	166.62
			For >50 To 100, Deduct	*-143.00*	
			For >100 To 250, Deduct	*-279.06*	
			For >250 To 500, Deduct	*-544.23*	
			For >500, Deduct	*-809.41*	
26 51 19 00-0525		EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,839.62	175.39
			For >50 To 100, Deduct	*-178.30*	
			For >100 To 250, Deduct	*-349.29*	
			For >250 To 500, Deduct	*-683.96*	
			For >500, Deduct	*-1,018.64*	
26 51 19 00-0526			Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0516)*		
26 51 19 00-0527		EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,067.25	87.69
			For >50 To 100, Deduct	*-30.34*	
			For >100 To 250, Deduct	*-57.02*	
			For >250 To 500, Deduct	*-106.73*	
			For >500, Deduct	*-156.43*	
26 51 19 00-0528			LED Track Lighting *(26 51 19 00-0001)*		
26 51 19 00-0529			Track Lighting Tracks *(26 51 19 00-0528)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0530	LF	1 Circuit Track Lighting Track	27.54	10.56
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.77*	
26 51 19 00-0531	LF	2 Circuit Track Lighting Track	34.90	10.56
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.84*	
26 51 19 00-0532	LF	3 Circuit Track Lighting Track	41.25	10.56
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.75*	
26 51 19 00-0533	LF	4 Circuit Track Lighting Track	47.63	12.80
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.76*	
		For >500, Deduct	*-6.66*	

26 51 19 00-0534 LED Track Lighting Fixtures *(26 51 19 00-0528)*

26 51 19 00-0535	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	213.25	26.72
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-11.66*	
		For >250 To 500, Deduct	*-21.33*	
		For >500, Deduct	*-30.99*	
26 51 19 00-0536	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	364.13	26.72
		For >50 To 100, Deduct	*-10.10*	
		For >100 To 250, Deduct	*-19.21*	
		For >250 To 500, Deduct	*-36.41*	
		For >500, Deduct	*-53.62*	
26 51 19 00-0537	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	218.98	26.72
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-11.95*	
		For >250 To 500, Deduct	*-21.90*	
		For >500, Deduct	*-31.85*	

26 51 19 00-0538 Track Lighting Accessories *(26 51 19 00-0528)*

26 51 19 00-0539 Pendant Mounting *(26 51 19 00-0538)*

26 51 19 00-0540	EA	Track Lighting Pendant Mounting, Up to 12"	32.91	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-4.34*	
26 51 19 00-0541	EA	Track Lighting Pendant Mounting, >12" To 24"	41.16	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.12*	
		For >500, Deduct	*-5.49*	
26 51 19 00-0542	EA	Track Lighting Pendant Mounting, >24" To 36"	49.82	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-6.67*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	544.47	170.54
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	568.21	181.09
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	600.34	206.69
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	553.46	170.54
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	572.02	181.09
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	613.28	206.69
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	545.66	155.80
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	562.11	165.45
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	599.41	188.83
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	539.78	155.80
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	555.42	165.45
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	603.67	188.83
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0020	EA	175 Watt Pulse Start Metal Halide Low Bay Fixture (Holophane Enduralume V) Note: Includes a glass refractor.	1,243.63	73.58
		For Acrylic Lens, Add	*70.00*	

26 51 23 00-0021 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0022 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0021)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0023	EA	250 Watt High Pressure Sodium, High Bay Fixture	507.54	165.45
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	400 Watt High Pressure Sodium, High Bay Fixture	550.59	188.83
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0025	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	784.75	198.62
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0026 Metal Halide, High Bay Fixtures *(26 51 23 00-0021)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0027	EA	250 Watt Metal Halide, High Bay Fixture	475.22	165.45
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	400 Watt Metal Halide, High Bay Fixture	523.25	188.83
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0029	EA	1,000 Watt Metal Halide, High Bay Fixture	672.64	198.62
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0030 Induction, High Bay Fixtures *(26 51 23 00-0021)*

26 51 23 00-0031 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0030)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0032	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	544.04	144.70
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	581.18	149.51
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	592.61	154.34
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	642.09	159.16
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	658.66	163.98
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	580.04	144.70
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	617.19	149.51
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	628.61	154.34
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	678.10	159.16
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	694.67	163.98
		For Impact Resistant Silicon Lens, Add	*20.00*	

26 51 23 00-0042 Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

26 51 23 00-0043 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0042)*

26 51 23 00-0044	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	423.31	110.87
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	732.33	110.87
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	839.37	110.87
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0047	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,117.12	110.87
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0048 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0042)*

26 51 23 00-0049	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	356.59	110.87
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	377.11	123.02
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	402.05	133.26
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0052	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	454.13	158.70
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0053 High Pressure Sodium, Recessed Fixture Housings *(26 51 23)*

26 51 23 00-0054	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	183.99	46.08
		For Remodel T Housing, Add	*2.88*	
		For ICAT Housing, Add	*14.86*	
26 51 23 00-0055	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	191.68	46.08
		For Remodel T Housing, Add	*3.07*	
		For ICAT Housing, Add	*15.85*	
26 51 23 00-0056	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	201.29	47.99
		For Remodel T Housing, Add	*3.23*	
		For ICAT Housing, Add	*16.68*	
26 51 23 00-0057	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	208.68	50.08
		For Remodel T Housing, Add	*3.34*	
		For ICAT Housing, Add	*17.22*	
26 51 23 00-0058	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	216.01	52.15
		For Remodel T Housing, Add	*3.44*	
		For ICAT Housing, Add	*17.75*	
26 51 23 00-0059	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	222.86	55.35
		For Remodel T Housing, Add	*3.49*	
		For ICAT Housing, Add	*18.02*	

26 51 23 00-0060 Metal Halide Track Lighting Fixtures *(26 51 23)*

26 51 23 00-0061	EA	Metal Halide Track Lighting Fixture	118.85	26.72

26 51 23 00-0062 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

26 51 23 00-0063	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	197.45	63.99
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	202.65	63.99
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	213.19	63.99
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0066	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	229.04	63.99
		For Wall Mounted, Add	*6.30*	

26 51 23 00-0067 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

26 51 23 00-0068	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	185.10	63.99
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	191.55	63.99
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0070	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	216.47	63.99
		For Wall Mounted, Add	*6.67*	

26 51 33 Interior Lighting Accessories *(26 51)*

26 51 33 00-0001 Accessories And Modifiers For Fixtures *(26 51 33)*

26 51 33 00-0002 Lens Modifications *(26 51 33 00-0001)*

26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	38.81
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	47.94
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	50.23
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	54.79
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	66.21
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.98
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	22.83
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.11
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	29.68

26 51 33 00-0012 Pendant Mounting Modifications *(26 51 33 00-0001)*

Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.

26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.35
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.09
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	25.71
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	30.36
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	38.35
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	52.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0019		Lighting Accessories *(26 51 33)*		
26 51 33 00-0020		Modular Flexible Wiring Systems *(26 51 33 00-0019)*		
26 51 33 00-0021	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	112.82	8.64
26 51 33 00-0022	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	130.94	8.64
26 51 33 00-0023	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	157.49	8.64
26 51 33 00-0024	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	130.94	8.64
26 51 33 00-0025	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	114.72	8.64
26 51 33 00-0026	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	168.19	8.64
26 51 33 00-0027	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	93.46	8.64
26 51 33 00-0028	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	105.28	8.64
26 51 33 00-0029	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	133.71	8.64
26 51 33 00-0030	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	133.71	8.64
26 51 33 00-0031	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	135.94	8.64
26 51 33 00-0032	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	135.12	8.64
26 51 33 00-0033	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	135.12	8.64
26 51 33 00-0034	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	155.02	8.64
26 51 33 00-0035	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	72.22	8.64
26 51 33 00-0036	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	67.57	8.64
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	69.19	8.64
26 51 33 00-0038	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	86.41	8.64
26 51 33 00-0039	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	112.82	8.64
26 51 33 00-0040	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	115.62	8.64
26 51 33 00-0041	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	90.69	8.64
26 51 33 00-0042	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	67.57	8.64
26 51 33 00-0043	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	71.98	
26 51 33 00-0044		Additional Lighting Wire Whips *(26 51 33)*		
26 51 33 00-0045	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.90	
26 51 33 00-0046		Removal And Reinstallation Of Light Fixtures *(26 51 33)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0047	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	170.27	
26 51 33 00-0048	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	194.59	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001		Commercial Emergency Lights *(26 52 13 13)*		
26 52 13 13-0002		Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)* Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	271.52	39.99
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	191.02	39.99
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	296.37	39.99
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	344.06	39.99
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	507.95	39.99
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	574.48	39.99
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	833.68	39.99
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0010		Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)* Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	182.93	24.00
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	184.13	24.00
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	188.15	24.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	187.50	24.00
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	162.80	24.00
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	113.74	24.00

26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	471.75	39.99
		For Wireguard, Add	*235.71*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	397.32	39.99
		For Wireguard, Add	*235.71*	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	614.86	39.99
		For Wireguard, Add	*235.71*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	652.40	39.99
		For Wireguard, Add	*235.71*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	927.73	39.99
		For Wireguard, Add	*251.06*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,454.43	39.99
		For Wireguard, Add	*251.06*	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	142.01	24.00
		For Wireguard, Add	*190.22*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	146.69	24.00
		For Wireguard, Add	*190.22*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	142.67	24.00
		For Wireguard, Add	*190.22*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	143.43	24.00
		For Wireguard, Add	*190.22*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	146.69	24.00
		For Wireguard, Add	*190.22*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	170.42	24.00
		For Wireguard, Add	*190.22*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	465.77	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	505.49	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	494.61	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	522.36	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	873.86	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	688.31	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	769.93	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	811.28	39.99
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	124.06	24.00
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	133.53	24.00
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	124.17	24.00
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	131.13	24.00
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	113.24	24.00
26 52 13 13-0049		Outdoor Emergency Lights *(26 52 13 13)*		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	728.03	39.99
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	866.78	39.99
26 52 13 13-0053		Recessed Emergency Lights *(26 52 13 13)*		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	791.73	39.99
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	639.04	79.99
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	907.95	79.99
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	
26 52 13 13-0057		Square Wraparound Emergency Lights *(26 52 13 13)*		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	367.60	39.99
26 52 13 16		**Exit Signs** *(26 52 13)*		
		Note: Excludes pendants.		
26 52 13 16-0001		LED Exit Signs *(26 52 13 16)*		
		Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	226.99	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 250, Deduct	*-14.27*	
		For >250 To 500, Deduct	*-22.70*	
		For >500, Deduct	*-31.13*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	226.99	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 250, Deduct	*-14.27*	
		For >250 To 500, Deduct	*-22.70*	
		For >500, Deduct	*-31.13*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	309.30	58.47
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.66*	
		For >100 To 250, Deduct	*-18.39*	
		For >250 To 500, Deduct	*-30.93*	
		For >500, Deduct	*-43.47*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	309.30	58.47
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.66*	
		For >100 To 250, Deduct	*-18.39*	
		For >250 To 500, Deduct	*-30.93*	
		For >500, Deduct	*-43.47*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	338.72	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 250, Deduct	*-19.86*	
		For >250 To 500, Deduct	*-33.87*	
		For >500, Deduct	*-47.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	381.63	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.46*	
		For >100 To 250, Deduct	*-22.01*	
		For >250 To 500, Deduct	*-38.16*	
		For >500, Deduct	*-54.32*	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	320.78	58.47
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.94*	
		For >100 To 250, Deduct	*-18.96*	
		For >250 To 500, Deduct	*-32.08*	
		For >500, Deduct	*-45.19*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	351.93	58.47
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.72*	
		For >100 To 250, Deduct	*-20.52*	
		For >250 To 500, Deduct	*-35.19*	
		For >500, Deduct	*-49.87*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	410.22	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-14.25*	
		For >100 To 250, Deduct	*-24.51*	
		For >250 To 500, Deduct	*-41.02*	
		For >500, Deduct	*-57.53*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) Note: Includes two circular side mounted LED emergency lights.	355.03	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.88*	
		For >100 To 250, Deduct	*-21.75*	
		For >250 To 500, Deduct	*-35.50*	
		For >500, Deduct	*-49.26*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights.	507.39	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-16.68*	
		For >100 To 250, Deduct	*-29.37*	
		For >250 To 500, Deduct	*-50.74*	
		For >500, Deduct	*-72.11*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) Note: Includes two circular side mounted PAR 36 emergency lights.	530.00	58.47
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-17.25*	
		For >100 To 250, Deduct	*-30.50*	
		For >250 To 500, Deduct	*-53.00*	
		For >500, Deduct	*-75.50*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	157.65	58.47
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-15.77*	
		For >500, Deduct	*-20.72*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	158.18	58.47
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-10.83*	
		For >250 To 500, Deduct	*-15.82*	
		For >500, Deduct	*-20.80*	

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	304.06	58.47
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-10.53*	
		For >100 To 250, Deduct	*-18.13*	
		For >250 To 500, Deduct	*-30.41*	
		For >500, Deduct	*-42.69*	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	307.03	58.47
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-10.60*	
		For >100 To 250, Deduct	*-18.28*	
		For >250 To 500, Deduct	*-30.70*	
		For >500, Deduct	*-43.13*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	327.13	58.47
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.10*	
		For >100 To 250, Deduct	*-19.28*	
		For >250 To 500, Deduct	*-32.71*	
		For >500, Deduct	*-46.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	387.21	58.47
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-12.60*	
		For >100 To 250, Deduct	*-22.28*	
		For >250 To 500, Deduct	*-38.72*	
		For >500, Deduct	*-55.16*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	626.23	58.47
		For >50 To 100, Deduct	*-18.58*	
		For >100 To 250, Deduct	*-34.24*	
		For >250 To 500, Deduct	*-62.62*	
		For >500, Deduct	*-91.01*	
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,134.98	58.47
		For >50 To 100, Deduct	*-31.30*	
		For >100 To 250, Deduct	*-59.67*	
		For >250 To 500, Deduct	*-113.50*	
		For >500, Deduct	*-167.32*	
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	742.13	58.47
		For >50 To 100, Deduct	*-21.48*	
		For >100 To 250, Deduct	*-40.03*	
		For >250 To 500, Deduct	*-74.21*	
		For >500, Deduct	*-108.40*	
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,228.03	58.47
		For >50 To 100, Deduct	*-33.62*	
		For >100 To 250, Deduct	*-64.33*	
		For >250 To 500, Deduct	*-122.80*	
		For >500, Deduct	*-181.28*	
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	683.91	58.47
		For >50 To 100, Deduct	*-20.02*	
		For >100 To 250, Deduct	*-37.12*	
		For >250 To 500, Deduct	*-68.39*	
		For >500, Deduct	*-99.66*	
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,228.03	58.47
		For >50 To 100, Deduct	*-33.62*	
		For >100 To 250, Deduct	*-64.33*	
		For >250 To 500, Deduct	*-122.80*	
		For >500, Deduct	*-181.28*	
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	834.63	58.47
		For >50 To 100, Deduct	*-23.79*	
		For >100 To 250, Deduct	*-44.66*	
		For >250 To 500, Deduct	*-83.46*	
		For >500, Deduct	*-122.27*	
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,519.67	58.47
		For >50 To 100, Deduct	*-40.92*	
		For >100 To 250, Deduct	*-78.91*	
		For >250 To 500, Deduct	*-151.97*	
		For >500, Deduct	*-225.03*	

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	591.95	58.47
		For >50 To 100, Deduct	*-17.72*	
		For >100 To 250, Deduct	*-32.52*	
		For >250 To 500, Deduct	*-59.20*	
		For >500, Deduct	*-85.87*	
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	907.00	58.47
		For >50 To 100, Deduct	*-25.60*	
		For >100 To 250, Deduct	*-48.27*	
		For >250 To 500, Deduct	*-90.70*	
		For >500, Deduct	*-133.13*	
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,100.16	58.47
		For >50 To 100, Deduct	*-30.43*	
		For >100 To 250, Deduct	*-57.93*	
		For >250 To 500, Deduct	*-110.02*	
		For >500, Deduct	*-162.10*	

26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	119.98	
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-9.00*	
		For >250 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-15.00*	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	140.86	16.03
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-7.84*	
		For >250 To 500, Deduct	*-14.09*	
		For >500, Deduct	*-20.33*	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	84.55	16.03
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-11.88*	
26 52 13 16-0039	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	142.23	
		For >50 To 100, Deduct	*-4.56*	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 500, Deduct	*-14.22*	
		For >500, Deduct	*-20.33*	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,833.33	131.54
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-76.31*	
		For >100 To 250, Deduct	*-147.15*	
		For >250 To 500, Deduct	*-283.33*	
		For >500, Deduct	*-419.52*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,464.26	140.30
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-92.45*	
		For >100 To 250, Deduct	*-179.06*	
		For >250 To 500, Deduct	*-346.43*	
		For >500, Deduct	*-513.79*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,910.34	149.08
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-103.97*	
		For >100 To 250, Deduct	*-201.73*	
		For >250 To 500, Deduct	*-391.03*	
		For >500, Deduct	*-580.34*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,368.71	157.85
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-115.79*	
		For >100 To 250, Deduct	*-225.01*	
		For >250 To 500, Deduct	*-436.87*	
		For >500, Deduct	*-648.73*	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,687.87	122.77
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-47.31*	
		For >100 To 250, Deduct	*-89.51*	
		For >250 To 500, Deduct	*-168.79*	
		For >500, Deduct	*-248.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,662.69	122.77
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-71.68*	
		For >100 To 250, Deduct	*-138.25*	
		For >250 To 500, Deduct	*-266.27*	
		For >500, Deduct	*-394.29*	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,948.04	131.54
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-79.18*	
		For >100 To 250, Deduct	*-152.88*	
		For >250 To 500, Deduct	*-294.80*	
		For >500, Deduct	*-436.73*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,301.33	140.30
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-88.38*	
		For >100 To 250, Deduct	*-170.91*	
		For >250 To 500, Deduct	*-330.13*	
		For >500, Deduct	*-489.35*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,291.84	149.08
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-113.51*	
		For >100 To 250, Deduct	*-220.80*	
		For >250 To 500, Deduct	*-429.18*	
		For >500, Deduct	*-637.56*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,920.49	157.85
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-129.59*	
		For >100 To 250, Deduct	*-252.60*	
		For >250 To 500, Deduct	*-492.05*	
		For >500, Deduct	*-731.50*	
26 54 19 00-0015		Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*		
26 54 19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*		
		Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	6,190.99	131.54
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-160.26*	
		For >100 To 250, Deduct	*-315.03*	
		For >250 To 500, Deduct	*-619.10*	
		For >500, Deduct	*-923.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	7,538.06	140.30
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-194.30*	
		For >100 To 250, Deduct	*-382.75*	
		For >250 To 500, Deduct	*-753.81*	
		For >500, Deduct	*-1,124.86*	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	8,764.16	149.08
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-225.32*	
		For >100 To 250, Deduct	*-444.42*	
		For >250 To 500, Deduct	*-876.42*	
		For >500, Deduct	*-1,308.41*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	10,012.85	157.85
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-256.90*	
		For >100 To 250, Deduct	*-507.22*	
		For >250 To 500, Deduct	*-1,001.29*	
		For >500, Deduct	*-1,495.35*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	11,610.33	152.00
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-297.20*	
		For >100 To 250, Deduct	*-587.46*	
		For >250 To 500, Deduct	*-1,161.03*	
		For >500, Deduct	*-1,734.61*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,692.71	135.98
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,708.70	143.98
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,724.70	151.98
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.51	159.97
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,692.71	135.98
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,708.70	143.98
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,724.70	151.98
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.51	159.97
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,692.71	135.98
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,708.70	143.98
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,724.70	151.98
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.51	159.97
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,692.71	135.98
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,708.70	143.98
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,724.70	151.98
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.51	159.97

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,629.71	135.98
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,645.70	143.98
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,661.70	151.98
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,539.93	159.97
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,629.71	135.98
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,645.70	143.98
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,661.70	151.98
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,539.93	159.97
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,629.71	135.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,645.70	143.98
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,661.70	151.98
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,539.93	159.97
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,629.71	135.98
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,645.70	143.98
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,661.70	151.98
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,539.93	159.97
26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,774.51	135.98
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,790.50	143.98
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,806.50	151.98
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,684.73	159.97
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,774.51	135.98
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,790.50	143.98
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,806.50	151.98
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,684.73	159.97
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,774.51	135.98
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,790.50	143.98
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,806.50	151.98
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,753.19	159.97
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,710.94	135.98
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,726.93	143.98
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,742.93	151.98
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,621.16	159.97
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,710.94	135.98
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,726.93	143.98
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,742.93	151.98
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,621.16	159.97
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,710.94	135.98
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,726.93	143.98
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,742.93	151.98
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,621.16	159.97
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,685.54	135.98
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,701.53	143.98
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,717.53	151.98
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.62	159.97
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,685.54	135.98
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,701.53	143.98
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,717.53	151.98
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.62	159.97
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,685.54	135.98
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,701.53	143.98
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,717.53	151.98
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.62	159.97
26 55 13 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,623.35	135.98
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,639.34	143.98
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.34	151.98
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.63	159.97
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,623.35	135.98
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,639.34	143.98
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.34	151.98
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.63	159.97
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,623.35	135.98
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,639.34	143.98
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.34	151.98
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.63	159.97
26 55 13 00-0092		LED, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0093		Square, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	2,008.44	135.98
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	2,024.43	143.98
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	2,040.43	151.98
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,922.24	159.97
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,441.36	135.98
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,457.35	143.98
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,473.35	151.98
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,353.01	159.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0102		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,943.86	135.98
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,959.85	143.98
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,975.85	151.98
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,855.51	159.97
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,376.78	135.98
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,392.77	143.98
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,408.77	151.98
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,289.20	159.97
26 55 13 00-0111		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,774.60	399.94
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	3,055.05	533.20
26 55 13 00-0114		**Low Voltage** *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	951.31	291.16
26 55 13 00-0116	EA	Low Voltage Walkway	652.64	159.97
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	669.11	213.57
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	567.96	159.97
26 55 13 00-0119		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	1,074.46	255.96
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	1,165.19	255.96
26 55 13 00-0122		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	971.62	255.96
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	989.77	255.96
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	1,044.21	255.96
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	1,038.16	255.96
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	1,302.20	255.96
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,422.81	255.96
26 55 13 00-0129		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	513.52	159.97
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	495.37	159.97
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	784.04	213.57
26 55 13 00-0133		**Step Lights** *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	419.20	127.98
26 55 13 00-0135	EA	Fluorescent Step Light	479.77	127.98
26 55 13 00-0136	EA	5 Watt, LED Step Light	710.27	127.98
26 55 13 00-0137	EA	15 Watt, LED Step Light	838.92	127.98
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	478.61	148.77
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	738.11	233.89
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	778.64	242.37
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	834.05	251.64
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	894.72	271.96
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	802.53	251.64
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	798.75	233.89
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	816.49	242.37
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	632.75	166.70
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	664.28	166.70
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	695.80	166.70
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	785.32	187.65
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	599.04	149.74
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	678.97	233.89
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	714.36	242.37
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	761.65	251.64
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	818.03	271.96
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	737.03	251.64
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	726.35	233.89
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	743.93	242.37
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	567.25	166.70
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	591.87	166.70
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	616.50	166.70
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	695.68	187.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	583.07	149.74
26 55 16 00-0029		**Walkway, Adjustable** *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	691.54	213.57
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	707.09	213.57
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,189.43	319.95
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	568.79	159.97
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	589.53	159.97
26 55 16 00-0035		**LED Walkway** *(26 55 16)*		
26 55 16 00-0036		**LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG)** *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,024.73	122.77
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,056.27	122.77
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,111.94	122.77
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,154.61	122.77
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,333.68	157.85
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0042		**Wall Mounted Walkway Lighting** *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,700.24	
26 55 16 00-0044		**Pole Mounted Walkway Lighting** *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,327.35	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,249.89	
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		**Flood Lights (General Electric Powerflood®)** *(26 55 53 11)*		
26 55 53 11-0002		**MPF (Small Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		**High Pressure Sodium MPF Series GE Flood Lights** *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	430.29	125.89
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	433.86	125.89
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	439.81	125.89
26 55 53 11-0007		**Metal Halide MPF Series GE Flood Lights** *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	571.91	125.89
26 55 53 11-0009		**P-154 (Small Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		**High Pressure Sodium P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	848.62	167.84
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	853.38	167.84
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	861.71	167.84
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	955.73	167.84
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	983.10	167.84
26 55 53 11-0016		**Metal Halide P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	840.29	167.84
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	881.95	167.84
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	903.37	167.84
26 55 53 11-0020		**PF-154 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	870.36	188.82
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	876.31	188.82
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	885.83	188.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	978.66	188.82
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	1,004.84	188.82
26 55 53 11-0027		**Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	863.22	188.82
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	903.68	188.82
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	925.11	188.82
26 55 53 11-0031		**PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		**High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,151.22	188.82
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,234.53	188.82
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,228.58	188.82
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,258.33	188.82
26 55 53 11-0037		**Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,182.17	188.82
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,207.16	188.82
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,233.34	188.82
26 55 53 11-0041		**PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,549.01	209.81
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,549.01	209.81
26 55 53 11-0045		**Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,479.99	209.81
26 55 53 11-0047		**HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		**High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,265.47	188.82
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,288.09	188.82
26 55 53 11-0051		**Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,278.57	188.82
26 55 53 11-0053		**Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	220.78	41.97
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	132.71	41.97
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	187.46	41.97
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	145.81	41.97
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	373.16	125.89
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	158.90	41.97
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	283.90	125.89
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	294.61	125.89
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	122.00	41.97
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	118.43	41.97
26 55 53 11-0064		**Flood Lights (Lithonia Contour Series)** *(26 55 53 11)*		
26 55 53 11-0065		**TFM (Small Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		**High Pressure Sodium TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	785.26	167.84
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	853.98	167.84
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	921.27	167.84
26 55 53 11-0070		**Metal Halide TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	1,005.24	167.84
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	988.70	167.84
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	962.04	167.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	960.06	167.84
26 55 53 11-0075		**Compact Fluorescent TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	998.39	167.84
26 55 53 11-0077		**TFL (Medium Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		**High Pressure Sodium TFL Series Lithonia Flood Lights** *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,185.31	188.82
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,208.23	188.82
26 55 53 11-0081		**Metal Halide TFL Series Lithonia Flood Lights** *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,133.80	188.82
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,133.80	188.82
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,169.74	188.82
26 55 53 11-0085		**TFR (Low Profile) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		**High Pressure Sodium TFR Lithonia Flood Lights** *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,131.91	167.84
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,166.21	167.84
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,194.87	167.84
26 55 53 11-0090		**Metal Halide TFR Lithonia Flood Lights** *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,120.44	167.84
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,154.79	167.84
26 55 53 11-0093		**TFA (Large Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		**High Pressure Sodium TFA Series Lithonia Flood Lights** *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,166.39	209.81
26 55 53 11-0096		**Metal Halide TFA Series Lithonia Flood Lights** *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,679.57	209.81
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,851.37	209.81
26 55 53 11-0099		**Accessories For Contour Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	191.91	41.97
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	360.55	41.97
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	160.09	41.97
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	211.62	41.97
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	480.82	125.89
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	389.63	125.89
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	389.63	125.89
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	426.00	125.89
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	184.08	41.97
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	149.14	41.97
26 55 53 11-0110		**Flood Lights (Eaton)** *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,208.79	167.84
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*61.61*	
		For >50 To 100, Deduct	*-38.61*	
		For >100 To 250, Deduct	*-68.83*	
		For >250 To 500, Deduct	*-120.88*	
		For >500, Deduct	*-172.93*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,503.54	188.39
		For >50 To 100, Deduct	*-47.01*	
		For >100 To 250, Deduct	*-84.60*	
		For >250 To 500, Deduct	*-150.35*	
		For >500, Deduct	*-216.11*	
26 55 53 11-0113		**Flood Lights (Ruud)** *(26 55 53 11)*		
26 55 53 11-0114		**NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	520.73	125.89
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	520.73	125.89
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	520.73	125.89
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	520.73	125.89
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	520.73	125.89
26 55 53 11-0121		**Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	587.38	125.89
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	587.38	125.89
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	587.38	125.89
26 55 53 11-0125		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	451.71	125.89
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	468.37	125.89
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	473.13	125.89
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	477.89	125.89
26 55 53 11-0130		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	801.34	188.82
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	844.18	188.82
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	867.98	188.82
26 55 53 11-0135		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	791.81	188.82
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	796.58	188.82
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	810.86	188.82
26 55 53 11-0139		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	775.15	188.82
26 55 53 11-0141		**FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	927.49	188.82
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	932.25	188.82
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,550.21	209.81
26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	927.49	188.82
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	932.25	188.82
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	946.53	188.82
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,393.11	209.81
26 55 53 11-0151		**MFS (Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		**High Pressure Sodium MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	733.18	167.84
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	783.17	167.84
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	783.17	167.84
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	783.17	167.84
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	783.17	167.84
26 55 53 11-0158		**Metal Halide MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	799.83	167.84
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	799.83	167.84
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	799.83	167.84
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	773.65	167.84
26 55 53 11-0163		**MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		**High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights** *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	792.69	167.84
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	842.67	167.84
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	842.67	167.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	842.67	167.84
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	842.67	167.84
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	859.33	167.84
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	859.33	167.84
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	859.33	167.84
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	833.15	167.84
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	1,039.36	188.82
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	1,063.16	188.82
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,609.71	209.81
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	986.99	188.82
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	991.75	188.82
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	1,006.03	188.82
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,452.62	209.81
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,333.61	209.81
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,581.15	209.81
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,276.48	209.81
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,424.05	209.81
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,072.68	188.82
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,096.48	188.82
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	1,020.31	188.82
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	1,025.07	188.82
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	1,039.36	188.82
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,485.94	209.81
26 55 53 11-0201		Accessories For Ruud Flood Lighting *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	119.62	41.97
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	183.89	41.97
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	136.28	41.97
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	160.09	41.97
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	332.70	125.89
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	105.34	41.97
26 55 53 11-0208		Flood Lights (Lumark) *(26 55 53 11)*		
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	300.45	125.89
26 55 53 11-0211		LQL Series Quartz Lumark Flood Lights *(26 55 53 11-0208)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	370.66	125.89
26 55 53 11-0213		Flood Lights (Kim Lighting) *(26 55 53 11)*		
26 55 53 11-0214		MicroFlood® Series Kim Lighting Flood Lights *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		LED MicroFlood® Series Kim Lighting Flood Lights *(26 55 53 11-0214)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	580.86	56.09
		For >50 To 100, Deduct	*-17.33*	
		For >100 To 250, Deduct	*-31.85*	
		For >250 To 500, Deduct	*-58.09*	
		For >500, Deduct	*-84.32*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	712.96	56.09
		For >50 To 100, Deduct	*-20.63*	
		For >100 To 250, Deduct	*-38.45*	
		For >250 To 500, Deduct	*-71.30*	
		For >500, Deduct	*-104.14*	

26 55 53 11-0218 Scarab® Series Kim Lighting Flood Lights *(26 55 53 11-0213)*

Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.

26 55 53 11-0219 LED Scarab® Series Kim Lighting Accent Flood Lights *(26 55 53 11-0218)*

Note: Spot or narrow style accent flood lights.

26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	875.26	56.09
		For >50 To 100, Deduct	*-24.69*	
		For >100 To 250, Deduct	*-46.57*	
		For >250 To 500, Deduct	*-87.53*	
		For >500, Deduct	*-128.48*	

26 55 53 11-0221 Flood Lights (CREE® BetaLED®) *(26 55 53 11)*

26 55 53 11-0222 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,325.06	154.14
		For >50 To 100, Deduct	*-40.83*	
		For >100 To 250, Deduct	*-73.96*	
		For >250 To 500, Deduct	*-132.51*	
		For >500, Deduct	*-191.05*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,449.82	162.70
		For >50 To 100, Deduct	*-44.38*	
		For >100 To 250, Deduct	*-80.63*	
		For >250 To 500, Deduct	*-144.98*	
		For >500, Deduct	*-209.34*	

26 55 53 11-0225 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,153.94	145.58
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-36.13*	
		For >100 To 250, Deduct	*-64.98*	
		For >250 To 500, Deduct	*-115.39*	
		For >500, Deduct	*-165.81*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,443.81	154.14
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-43.80*	
		For >100 To 250, Deduct	*-79.90*	
		For >250 To 500, Deduct	*-144.38*	
		For >500, Deduct	*-208.86*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,733.70	162.70
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-51.48*	
		For >100 To 250, Deduct	*-94.82*	
		For >250 To 500, Deduct	*-173.37*	
		For >500, Deduct	*-251.92*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,133.04	171.27
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-61.89*	
		For >100 To 250, Deduct	*-115.22*	
		For >250 To 500, Deduct	*-213.30*	
		For >500, Deduct	*-311.39*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,422.92	179.83
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-69.56*	
		For >100 To 250, Deduct	*-130.14*	
		For >250 To 500, Deduct	*-242.29*	
		For >500, Deduct	*-354.45*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,712.80	188.39
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-77.24*	
		For >100 To 250, Deduct	*-145.06*	
		For >250 To 500, Deduct	*-271.28*	
		For >500, Deduct	*-397.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,089.89	196.96
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-87.10*	
		For >100 To 250, Deduct	*-164.34*	
		For >250 To 500, Deduct	*-308.99*	
		For >500, Deduct	*-453.64*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,379.77	205.52
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-94.77*	
		For >100 To 250, Deduct	*-179.26*	
		For >250 To 500, Deduct	*-337.98*	
		For >500, Deduct	*-496.69*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,603.33	188.39
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*53.31*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For >50 To 100, Deduct	*-74.50*	
		For >100 To 250, Deduct	*-139.59*	
		For >250 To 500, Deduct	*-260.33*	
		For >500, Deduct	*-381.08*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,389.32	231.20
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*78.28*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-121.29*	
		For >100 To 250, Deduct	*-231.03*	
		For >250 To 500, Deduct	*-438.93*	
		For >500, Deduct	*-646.84*	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,548.65	188.39
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*41.81*	
		For Rotated Optics, Back Light Shield, Add	*41.81*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-48.14*	
		For >100 To 250, Deduct	*-86.85*	
		For >250 To 500, Deduct	*-154.87*	
		For >500, Deduct	*-222.88*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,652.05	188.39
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*41.81*	
		For Rotated Optics, Back Light Shield, Add	*41.81*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Type II Medium Or Type V Short Optics, Add	*364.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-50.72*	
		For >100 To 250, Deduct	*-92.02*	
		For >250 To 500, Deduct	*-165.21*	
		For >500, Deduct	*-238.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,116.82	231.20
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Front Facing Optics, Back Light Shield, Add	*50.69*	
		For Rotated Optics, Back Light Shield, Add	*50.69*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-64.48*	
		For >100 To 250, Deduct	*-117.40*	
		For >250 To 500, Deduct	*-211.68*	
		For >500, Deduct	*-305.96*	

26 55 53 11-0241 Flood Lights (PlanLED) *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	734.72	154.14
		For >50 To 100, Deduct	*-26.07*	
		For >100 To 250, Deduct	*-44.44*	
		For >250 To 500, Deduct	*-73.47*	
		For >500, Deduct	*-102.50*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	872.15	162.70
		For >50 To 100, Deduct	*-29.94*	
		For >100 To 250, Deduct	*-51.74*	
		For >250 To 500, Deduct	*-87.22*	
		For >500, Deduct	*-122.69*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	1,002.81	175.55
		For >50 To 100, Deduct	*-33.85*	
		For >100 To 250, Deduct	*-58.92*	
		For >250 To 500, Deduct	*-100.28*	
		For >500, Deduct	*-141.64*	

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	2,030.03	342.53
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-67.88*	
		For >100 To 250, Deduct	*-118.63*	
		For >250 To 500, Deduct	*-203.00*	
		For >500, Deduct	*-287.38*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	3,090.69	342.53
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-94.39*	
		For >100 To 250, Deduct	*-171.66*	
		For >250 To 500, Deduct	*-309.07*	
		For >500, Deduct	*-446.48*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,373.86	342.53
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-151.47*	
		For >100 To 250, Deduct	*-285.82*	
		For >250 To 500, Deduct	*-537.39*	
		For >500, Deduct	*-788.95*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,772.76	222.65
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*142.15*	
		For >50 To 100, Deduct	*-55.45*	
		For >100 To 250, Deduct	*-99.77*	
		For >250 To 500, Deduct	*-177.28*	
		For >500, Deduct	*-254.78*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,253.52	231.20
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*114.92*	
		For >50 To 100, Deduct	*-67.90*	
		For >100 To 250, Deduct	*-124.24*	
		For >250 To 500, Deduct	*-225.35*	
		For >500, Deduct	*-326.47*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,858.93	239.77
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*93.24*	
		For >50 To 100, Deduct	*-83.46*	
		For >100 To 250, Deduct	*-154.94*	
		For >250 To 500, Deduct	*-285.89*	
		For >500, Deduct	*-416.85*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0002		HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003		High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,121.89	167.84
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,195.68	167.84
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,124.27	167.84
26 55 53 12-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,187.80	167.84
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,152.84	167.84
26 55 53 12-0010		HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,071.17	167.84
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,115.21	167.84
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	952.16	167.84
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,507.36	209.81
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,528.78	209.81
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,500.22	209.81
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,528.78	209.81
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,127.42	188.82
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,210.73	188.82
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,571.93	251.77
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,767.11	251.77
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,776.63	251.77
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	3,074.16	251.77
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,950.39	251.77
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,818.40	251.77
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,693.32	251.77
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,817.09	251.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 63		**Detention Lighting** *(26 55)*		
26 55 63 00-0001		Maximum Security Recessed Luminaire *(26 55 63)* Note: Cooper Lighting Fail-Safe FMR Series.		
26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,320.51	52.60
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,449.11	52.60
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,287.17	63.14
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,723.29	73.67
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, T8 Lamps, 14 Gauge Fluorescent, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,728.29	73.67
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,733.29	73.67
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,320.51	52.60
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,510.91	52.60
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,348.97	63.15
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,537.90	73.67
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,542.90	73.67
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,547.90	73.67
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,166.02	52.60
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,171.02	52.60
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,410.77	63.14
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,661.49	73.67
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,678.85	73.67
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,683.85	73.67
26 55 63 00-0020		Maximum Security Surface Luminaire *(26 55 63)* Note: Cooper Lighting Fail-Safe FUS Series.		
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,196.92	52.60
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,480.01	52.60
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,135.12	52.60
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,140.12	52.60
26 55 63 00-0025	EA	16" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,132.68	63.14
26 55 63 00-0026	EA	16" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,375.40	68.40
26 55 63 00-0027	EA	16" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,411.30	68.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,416.30	68.40
26 55 63 00-0029		Ultimax Security Surface Luminaire *(26 55 63)* Note: Cooper Lighting Fail-Safe FMS Series.		
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,073.32	52.60
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,387.31	52.60
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,194.47	63.14
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,228.91	73.67
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,233.91	73.67
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,238.91	73.67
26 55 63 00-0036		Maximum Security Wall Luminaire *(26 55 63)* Note: Cooper Lighting Fail-Safe FMW Series.		
26 55 63 00-0037	EA	10-1/2" x 48", Two 32 Watt, T8 Fluorescent Lamps, 1 Up, 1 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,444.11	52.79
26 55 63 00-0038	EA	10-1/2" x 48", Three 32 Watt, T8 Fluorescent Lamps, 1 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,449.11	52.79
26 55 63 00-0039	EA	10-1/2" x 48", Four 32 Watt, T8 Fluorescent Lamps, 2 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,454.11	52.79

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001		Standards And Arms *(26 56 13)* Note: As maunfactured by Hapco Aluminum Pole Products.		
26 56 13 00-0002		Roadway Light Poles *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0003		Steel Roadway Light Poles *(26 56 13 00-0002)* Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*		
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,900.54	503.54
		For Galvanized Finish, Add	*56.80*	
		For >10 To 20, Deduct	*-72.51*	
		For >20 To 40, Deduct	*-145.03*	
		For >40, Deduct	*-242.72*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,905.22	503.54
		For Galvanized Finish, Add	*56.94*	
		For >10 To 20, Deduct	*-72.63*	
		For >20 To 40, Deduct	*-145.26*	
		For >40, Deduct	*-243.07*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,268.64	671.39
		For Galvanized Finish, Add	*57.78*	
		For >10 To 20, Deduct	*-81.72*	
		For >20 To 40, Deduct	*-163.43*	
		For >40, Deduct	*-278.72*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,324.91	671.39
		For Galvanized Finish, Add	*59.46*	
		For >10 To 20, Deduct	*-83.12*	
		For >20 To 40, Deduct	*-166.25*	
		For >40, Deduct	*-282.94*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,381.19	671.39
		For Galvanized Finish, Add	*61.15*	
		For >10 To 20, Deduct	*-84.53*	
		For >20 To 40, Deduct	*-169.06*	
		For >40, Deduct	*-287.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,560.89	755.31
		For Galvanized Finish, Add	*61.51*	
		For >10 To 20, Deduct	*-89.02*	
		For >20 To 40, Deduct	*-178.04*	
		For >40, Deduct	*-304.83*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,587.57	755.31
		For Galvanized Finish, Add	*62.31*	
		For >10 To 20, Deduct	*-89.69*	
		For >20 To 40, Deduct	*-179.38*	
		For >40, Deduct	*-306.83*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,592.65	755.31
		For Galvanized Finish, Add	*62.46*	
		For >10 To 20, Deduct	*-89.82*	
		For >20 To 40, Deduct	*-179.63*	
		For >40, Deduct	*-307.21*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,771.31	797.27
		For Galvanized Finish, Add	*65.30*	
		For >10 To 20, Deduct	*-94.28*	
		For >20 To 40, Deduct	*-188.57*	
		For >40, Deduct	*-322.71*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,791.47	797.27
		For Galvanized Finish, Add	*65.91*	
		For >10 To 20, Deduct	*-94.79*	
		For >20 To 40, Deduct	*-189.57*	
		For >40, Deduct	*-324.22*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,813.48	797.27
		For Galvanized Finish, Add	*66.57*	
		For >10 To 20, Deduct	*-95.34*	
		For >20 To 40, Deduct	*-190.67*	
		For >40, Deduct	*-325.87*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,291.63	839.23
		For Galvanized Finish, Add	*78.39*	
		For >10 To 20, Deduct	*-107.29*	
		For >20 To 40, Deduct	*-214.58*	
		For >40, Deduct	*-363.83*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,298.81	839.23
		For Galvanized Finish, Add	*78.61*	
		For >10 To 20, Deduct	*-107.47*	
		For >20 To 40, Deduct	*-214.94*	
		For >40, Deduct	*-364.37*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,305.90	839.23
		For Galvanized Finish, Add	*78.82*	
		For >10 To 20, Deduct	*-107.65*	
		For >20 To 40, Deduct	*-215.30*	
		For >40, Deduct	*-364.90*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,579.11	587.47
		For Galvanized Finish, Add	*72.13*	
		For >10 To 20, Deduct	*-89.48*	
		For >20 To 40, Deduct	*-178.96*	
		For >40, Deduct	*-297.81*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,651.15	608.44
		For Galvanized Finish, Add	*73.03*	
		For >10 To 20, Deduct	*-91.28*	
		For >20 To 40, Deduct	*-182.56*	
		For >40, Deduct	*-304.26*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,715.77	629.42
		For Galvanized Finish, Add	*73.71*	
		For >10 To 20, Deduct	*-92.89*	
		For >20 To 40, Deduct	*-185.79*	
		For >40, Deduct	*-310.15*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,719.87	755.31
		For Galvanized Finish, Add	*66.28*	
		For >10 To 20, Deduct	*-93.00*	
		For >20 To 40, Deduct	*-185.99*	
		For >40, Deduct	*-316.76*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,773.76	776.29
		For Galvanized Finish, Add	*66.64*	
		For >10 To 20, Deduct	*-94.34*	
		For >20 To 40, Deduct	*-188.69*	
		For >40, Deduct	*-321.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,820.57	797.27
		For Galvanized Finish, Add	*66.78*	
		For >10 To 20, Deduct	*-95.51*	
		For >20 To 40, Deduct	*-191.03*	
		For >40, Deduct	*-326.41*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,035.10	839.23
		For Galvanized Finish, Add	*70.70*	
		For >10 To 20, Deduct	*-100.88*	
		For >20 To 40, Deduct	*-201.76*	
		For >40, Deduct	*-344.59*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,084.30	860.21
		For Galvanized Finish, Add	*70.92*	
		For >10 To 20, Deduct	*-102.11*	
		For >20 To 40, Deduct	*-204.22*	
		For >40, Deduct	*-349.33*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,130.87	881.19
		For Galvanized Finish, Add	*71.05*	
		For >10 To 20, Deduct	*-103.27*	
		For >20 To 40, Deduct	*-206.54*	
		For >40, Deduct	*-353.88*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,273.41	881.19
		For Galvanized Finish, Add	*75.33*	
		For >10 To 20, Deduct	*-106.84*	
		For >20 To 40, Deduct	*-213.67*	
		For >40, Deduct	*-364.57*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,346.57	902.18
		For Galvanized Finish, Add	*76.27*	
		For >10 To 20, Deduct	*-108.66*	
		For >20 To 40, Deduct	*-217.33*	
		For >40, Deduct	*-371.10*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,418.11	923.16
		For Galvanized Finish, Add	*77.15*	
		For >10 To 20, Deduct	*-110.45*	
		For >20 To 40, Deduct	*-220.91*	
		For >40, Deduct	*-377.52*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,765.99	923.16
		For Galvanized Finish, Add	*87.59*	
		For >10 To 20, Deduct	*-119.15*	
		For >20 To 40, Deduct	*-238.30*	
		For >40, Deduct	*-403.61*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,812.63	944.13
		For Galvanized Finish, Add	*87.73*	
		For >10 To 20, Deduct	*-120.32*	
		For >20 To 40, Deduct	*-240.63*	
		For >40, Deduct	*-408.15*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,859.44	965.11
		For Galvanized Finish, Add	*87.88*	
		For >10 To 20, Deduct	*-121.49*	
		For >20 To 40, Deduct	*-242.97*	
		For >40, Deduct	*-412.71*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,329.69	839.23
		For Galvanized Finish, Add	*79.54*	
		For >10 To 20, Deduct	*-108.24*	
		For >20 To 40, Deduct	*-216.48*	
		For >40, Deduct	*-366.69*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,418.36	881.19
		For Galvanized Finish, Add	*79.68*	
		For >10 To 20, Deduct	*-110.46*	
		For >20 To 40, Deduct	*-220.92*	
		For >40, Deduct	*-375.44*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,514.13	923.16
		For Galvanized Finish, Add	*80.03*	
		For >10 To 20, Deduct	*-112.85*	
		For >20 To 40, Deduct	*-225.71*	
		For >40, Deduct	*-384.72*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,616.36	923.16
		For Galvanized Finish, Add	*83.10*	
		For >10 To 20, Deduct	*-115.41*	
		For >20 To 40, Deduct	*-230.82*	
		For >40, Deduct	*-392.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,707.30	965.11
		For Galvanized Finish, Add	*83.31*	
		For >10 To 20, Deduct	*-117.68*	
		For >20 To 40, Deduct	*-235.37*	
		For >40, Deduct	*-401.30*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,795.98	1,007.08
		For Galvanized Finish, Add	*83.45*	
		For >10 To 20, Deduct	*-119.90*	
		For >20 To 40, Deduct	*-239.80*	
		For >40, Deduct	*-410.05*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,894.91	965.11
		For Galvanized Finish, Add	*88.94*	
		For >10 To 20, Deduct	*-122.37*	
		For >20 To 40, Deduct	*-244.75*	
		For >40, Deduct	*-415.37*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,983.59	1,007.08
		For Galvanized Finish, Add	*89.08*	
		For >10 To 20, Deduct	*-124.59*	
		For >20 To 40, Deduct	*-249.18*	
		For >40, Deduct	*-424.12*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,072.26	1,049.04
		For Galvanized Finish, Add	*89.23*	
		For >10 To 20, Deduct	*-126.81*	
		For >20 To 40, Deduct	*-253.61*	
		For >40, Deduct	*-432.87*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,240.36	1,007.08
		For Galvanized Finish, Add	*96.79*	
		For >10 To 20, Deduct	*-131.01*	
		For >20 To 40, Deduct	*-262.02*	
		For >40, Deduct	*-443.38*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,328.80	1,049.04
		For Galvanized Finish, Add	*96.92*	
		For >10 To 20, Deduct	*-133.22*	
		For >20 To 40, Deduct	*-266.44*	
		For >40, Deduct	*-452.11*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,422.23	1,091.00
		For Galvanized Finish, Add	*97.21*	
		For >10 To 20, Deduct	*-135.56*	
		For >20 To 40, Deduct	*-271.11*	
		For >40, Deduct	*-461.22*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,806.38	923.16
		For Galvanized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-120.16*	
		For >20 To 40, Deduct	*-240.32*	
		For >40, Deduct	*-406.64*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,939.37	986.10
		For Galvanized Finish, Add	*89.02*	
		For >10 To 20, Deduct	*-123.48*	
		For >20 To 40, Deduct	*-246.97*	
		For >40, Deduct	*-419.76*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,069.92	1,049.04
		For Galvanized Finish, Add	*89.16*	
		For >10 To 20, Deduct	*-126.75*	
		For >20 To 40, Deduct	*-253.50*	
		For >40, Deduct	*-432.70*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,122.17	1,007.08
		For Galvanized Finish, Add	*93.24*	
		For >10 To 20, Deduct	*-128.05*	
		For >20 To 40, Deduct	*-256.11*	
		For >40, Deduct	*-434.52*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,253.06	1,070.02
		For Galvanized Finish, Add	*93.39*	
		For >10 To 20, Deduct	*-131.33*	
		For >20 To 40, Deduct	*-262.65*	
		For >40, Deduct	*-447.48*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,356.52	1,132.97
		For Galvanized Finish, Add	*92.72*	
		For >10 To 20, Deduct	*-133.91*	
		For >20 To 40, Deduct	*-267.83*	
		For >40, Deduct	*-458.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,476.09	1,049.04
		For Galvanized Finish, Add	*101.34*	
		For >10 To 20, Deduct	*-136.90*	
		For >20 To 40, Deduct	*-273.80*	
		For >40, Deduct	*-463.16*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,639.07	1,111.98
		For Galvanized Finish, Add	*102.45*	
		For >10 To 20, Deduct	*-140.98*	
		For >20 To 40, Deduct	*-281.95*	
		For >40, Deduct	*-478.53*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,739.87	1,174.92
		For Galvanized Finish, Add	*101.70*	
		For >10 To 20, Deduct	*-143.50*	
		For >20 To 40, Deduct	*-286.99*	
		For >40, Deduct	*-489.24*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,714.48	1,091.00
		For Galvanized Finish, Add	*105.97*	
		For >10 To 20, Deduct	*-142.86*	
		For >20 To 40, Deduct	*-285.72*	
		For >40, Deduct	*-483.14*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,845.05	1,153.95
		For Galvanized Finish, Add	*106.11*	
		For >10 To 20, Deduct	*-146.13*	
		For >20 To 40, Deduct	*-292.25*	
		For >40, Deduct	*-496.08*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,978.03	1,216.89
		For Galvanized Finish, Add	*106.33*	
		For >10 To 20, Deduct	*-149.45*	
		For >20 To 40, Deduct	*-298.90*	
		For >40, Deduct	*-509.20*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,442.78	671.39
		For Galvanized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-86.07*	
		For >20 To 40, Deduct	*-172.14*	
		For >40, Deduct	*-291.78*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,892.08	755.31
		For Galvanized Finish, Add	*71.44*	
		For >10 To 20, Deduct	*-97.30*	
		For >20 To 40, Deduct	*-194.60*	
		For >40, Deduct	*-329.67*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,015.19	797.27
		For Galvanized Finish, Add	*72.62*	
		For >10 To 20, Deduct	*-100.38*	
		For >20 To 40, Deduct	*-200.76*	
		For >40, Deduct	*-341.00*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,700.22	839.23
		For Galvanized Finish, Add	*90.65*	
		For >10 To 20, Deduct	*-117.51*	
		For >20 To 40, Deduct	*-235.01*	
		For >40, Deduct	*-394.48*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,283.41	671.39
		For Galvanized Finish, Add	*88.22*	
		For >10 To 20, Deduct	*-107.09*	
		For >20 To 40, Deduct	*-214.17*	
		For >40, Deduct	*-354.83*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,319.45	671.39
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-107.99*	
		For >20 To 40, Deduct	*-215.97*	
		For >40, Deduct	*-357.53*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,335.90	671.39
		For Galvanized Finish, Add	*89.79*	
		For >10 To 20, Deduct	*-108.40*	
		For >20 To 40, Deduct	*-216.80*	
		For >40, Deduct	*-358.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,487.30	755.31
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-112.18*	
		For >20 To 40, Deduct	*-224.37*	
		For >40, Deduct	*-374.31*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,493.59	755.31
		For Galvanized Finish, Add	*89.49*	
		For >10 To 20, Deduct	*-112.34*	
		For >20 To 40, Deduct	*-224.68*	
		For >40, Deduct	*-374.78*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,558.57	755.31
		For Galvanized Finish, Add	*91.44*	
		For >10 To 20, Deduct	*-113.96*	
		For >20 To 40, Deduct	*-227.93*	
		For >40, Deduct	*-379.66*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,592.60	797.27
		For Galvanized Finish, Add	*89.94*	
		For >10 To 20, Deduct	*-114.82*	
		For >20 To 40, Deduct	*-229.63*	
		For >40, Deduct	*-384.31*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,630.65	797.27
		For Galvanized Finish, Add	*91.08*	
		For >10 To 20, Deduct	*-115.77*	
		For >20 To 40, Deduct	*-231.53*	
		For >40, Deduct	*-387.16*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,830.19	797.27
		For Galvanized Finish, Add	*97.07*	
		For >10 To 20, Deduct	*-120.75*	
		For >20 To 40, Deduct	*-241.51*	
		For >40, Deduct	*-402.13*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,577.86	839.23
		For Galvanized Finish, Add	*116.98*	
		For >10 To 20, Deduct	*-139.45*	
		For >20 To 40, Deduct	*-278.89*	
		For >40, Deduct	*-460.30*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,696.28	881.19
		For Galvanized Finish, Add	*118.02*	
		For >10 To 20, Deduct	*-142.41*	
		For >20 To 40, Deduct	*-284.81*	
		For >40, Deduct	*-471.28*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,915.64	923.16
		For Galvanized Finish, Add	*122.08*	
		For >10 To 20, Deduct	*-147.89*	
		For >20 To 40, Deduct	*-295.78*	
		For >40, Deduct	*-489.83*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,725.70	923.16
		For Galvanized Finish, Add	*116.38*	
		For >10 To 20, Deduct	*-143.14*	
		For >20 To 40, Deduct	*-286.29*	
		For >40, Deduct	*-475.59*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,987.88	965.11
		For Galvanized Finish, Add	*121.73*	
		For >10 To 20, Deduct	*-149.70*	
		For >20 To 40, Deduct	*-299.39*	
		For >40, Deduct	*-497.35*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,159.52	1,007.08
		For Galvanized Finish, Add	*124.36*	
		For >10 To 20, Deduct	*-153.99*	
		For >20 To 40, Deduct	*-307.98*	
		For >40, Deduct	*-512.32*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,909.20	965.11
		For Galvanized Finish, Add	*119.37*	
		For >10 To 20, Deduct	*-147.73*	
		For >20 To 40, Deduct	*-295.46*	
		For >40, Deduct	*-491.45*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,247.40	1,007.08
		For Galvanized Finish, Add	*127.00*	
		For >10 To 20, Deduct	*-156.19*	
		For >20 To 40, Deduct	*-312.37*	
		For >40, Deduct	*-518.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,461.92	1,049.04
		For Galvanized Finish, Add	*130.92*	
		For >10 To 20, Deduct	*-161.55*	
		For >20 To 40, Deduct	*-323.10*	
		For >40, Deduct	*-537.10*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,727.47	503.54
		For >10 To 20, Deduct	*-68.19*	
		For >20 To 40, Deduct	*-136.37*	
		For >40, Deduct	*-229.74*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,748.29	503.54
		For >10 To 20, Deduct	*-68.71*	
		For >20 To 40, Deduct	*-137.41*	
		For >40, Deduct	*-231.30*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,377.51	671.39
		For >10 To 20, Deduct	*-84.44*	
		For >20 To 40, Deduct	*-168.88*	
		For >40, Deduct	*-286.88*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,416.86	671.39
		For >10 To 20, Deduct	*-85.42*	
		For >20 To 40, Deduct	*-170.84*	
		For >40, Deduct	*-289.83*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,453.05	671.39
		For >10 To 20, Deduct	*-86.33*	
		For >20 To 40, Deduct	*-172.65*	
		For >40, Deduct	*-292.55*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,867.32	755.31
		For >10 To 20, Deduct	*-96.68*	
		For >20 To 40, Deduct	*-193.37*	
		For >40, Deduct	*-327.81*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,900.52	755.31
		For >10 To 20, Deduct	*-97.51*	
		For >20 To 40, Deduct	*-195.03*	
		For >40, Deduct	*-330.30*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,937.65	755.31
		For >10 To 20, Deduct	*-98.44*	
		For >20 To 40, Deduct	*-196.88*	
		For >40, Deduct	*-333.09*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,476.51	797.27
		For >10 To 20, Deduct	*-111.91*	
		For >20 To 40, Deduct	*-223.83*	
		For >40, Deduct	*-375.60*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,509.63	797.27
		For >10 To 20, Deduct	*-112.74*	
		For >20 To 40, Deduct	*-225.48*	
		For >40, Deduct	*-378.09*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,537.37	797.27
		For >10 To 20, Deduct	*-113.43*	
		For >20 To 40, Deduct	*-226.87*	
		For >40, Deduct	*-380.17*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,131.74	587.47
		For >10 To 20, Deduct	*-78.29*	
		For >20 To 40, Deduct	*-156.59*	
		For >40, Deduct	*-264.25*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,335.82	587.47
		For >10 To 20, Deduct	*-83.40*	
		For >20 To 40, Deduct	*-166.79*	
		For >40, Deduct	*-279.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,459.52	629.42
		For >10 To 20, Deduct	*-86.49*	
		For >20 To 40, Deduct	*-172.98*	
		For >40, Deduct	*-290.94*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,770.61	755.31
		For >10 To 20, Deduct	*-94.27*	
		For >20 To 40, Deduct	*-188.53*	
		For >40, Deduct	*-320.56*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,942.48	776.29
		For >10 To 20, Deduct	*-98.56*	
		For >20 To 40, Deduct	*-197.12*	
		For >40, Deduct	*-334.50*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,184.61	797.27
		For >10 To 20, Deduct	*-104.62*	
		For >20 To 40, Deduct	*-209.23*	
		For >40, Deduct	*-353.71*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,331.94	839.23
		For >10 To 20, Deduct	*-108.30*	
		For >20 To 40, Deduct	*-216.60*	
		For >40, Deduct	*-366.86*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,494.41	860.21
		For >10 To 20, Deduct	*-112.36*	
		For >20 To 40, Deduct	*-224.72*	
		For >40, Deduct	*-380.09*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,689.85	881.19
		For >10 To 20, Deduct	*-117.25*	
		For >20 To 40, Deduct	*-234.49*	
		For >40, Deduct	*-395.80*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,870.37	881.19
		For >10 To 20, Deduct	*-121.76*	
		For >20 To 40, Deduct	*-243.52*	
		For >40, Deduct	*-409.34*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,288.06	902.18
		For >10 To 20, Deduct	*-132.20*	
		For >20 To 40, Deduct	*-264.40*	
		For >40, Deduct	*-441.71*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,771.72	923.16
		For >10 To 20, Deduct	*-144.29*	
		For >20 To 40, Deduct	*-288.59*	
		For >40, Deduct	*-479.04*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,628.11	671.39
		For >10 To 20, Deduct	*-90.70*	
		For >20 To 40, Deduct	*-181.41*	
		For >40, Deduct	*-305.68*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,877.11	713.35
		For >10 To 20, Deduct	*-96.93*	
		For >20 To 40, Deduct	*-193.86*	
		For >40, Deduct	*-326.45*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,425.92	839.23
		For >10 To 20, Deduct	*-110.65*	
		For >20 To 40, Deduct	*-221.30*	
		For >40, Deduct	*-373.91*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,619.00	881.19
		For >10 To 20, Deduct	*-115.48*	
		For >20 To 40, Deduct	*-230.95*	
		For >40, Deduct	*-390.48*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,837.53	923.16
		For >10 To 20, Deduct	*-120.94*	
		For >20 To 40, Deduct	*-241.88*	
		For >40, Deduct	*-408.97*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,015.43	965.11
		For >10 To 20, Deduct	*-125.39*	
		For >20 To 40, Deduct	*-250.77*	
		For >40, Deduct	*-424.41*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,210.89	965.11
		For >10 To 20, Deduct	*-130.27*	
		For >20 To 40, Deduct	*-260.54*	
		For >40, Deduct	*-439.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,641.69	1,007.08
		For >10 To 20, Deduct	*-141.04*	
		For >20 To 40, Deduct	*-282.08*	
		For >40, Deduct	*-473.48*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	12,092.52	1,049.04
		For >10 To 20, Deduct	*-302.31*	
		For >20 To 40, Deduct	*-604.63*	
		For >40, Deduct	*-959.39*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,795.45	755.31
		For >10 To 20, Deduct	*-94.89*	
		For >20 To 40, Deduct	*-189.77*	
		For >40, Deduct	*-322.42*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,920.41	755.31
		For >10 To 20, Deduct	*-98.01*	
		For >20 To 40, Deduct	*-196.02*	
		For >40, Deduct	*-331.80*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,845.29	923.16
		For >10 To 20, Deduct	*-121.13*	
		For >20 To 40, Deduct	*-242.26*	
		For >40, Deduct	*-409.55*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,237.57	986.10
		For >10 To 20, Deduct	*-130.94*	
		For >20 To 40, Deduct	*-261.88*	
		For >40, Deduct	*-442.12*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,449.73	1,007.08
		For >10 To 20, Deduct	*-136.24*	
		For >20 To 40, Deduct	*-272.49*	
		For >40, Deduct	*-459.08*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,814.35	1,070.02
		For >10 To 20, Deduct	*-145.36*	
		For >20 To 40, Deduct	*-290.72*	
		For >40, Deduct	*-489.58*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,731.75	1,049.04
		For >10 To 20, Deduct	*-143.29*	
		For >20 To 40, Deduct	*-286.59*	
		For >40, Deduct	*-482.33*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,469.37	1,111.98
		For >10 To 20, Deduct	*-161.73*	
		For >20 To 40, Deduct	*-323.47*	
		For >40, Deduct	*-540.80*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,125.98	1,174.92
		For >10 To 20, Deduct	*-178.15*	
		For >20 To 40, Deduct	*-356.30*	
		For >40, Deduct	*-593.19*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,955.70	671.39
		For >10 To 20, Deduct	*-98.89*	
		For >20 To 40, Deduct	*-197.79*	
		For >40, Deduct	*-330.25*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,983.53	671.39
		For >10 To 20, Deduct	*-99.59*	
		For >20 To 40, Deduct	*-199.18*	
		For >40, Deduct	*-332.33*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,054.62	671.39
		For >10 To 20, Deduct	*-101.37*	
		For >20 To 40, Deduct	*-202.73*	
		For >40, Deduct	*-337.67*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,161.32	671.39
		For >10 To 20, Deduct	*-104.03*	
		For >20 To 40, Deduct	*-208.07*	
		For >40, Deduct	*-345.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,453.44	755.31
		For >10 To 20, Deduct	*-111.34*	
		For >20 To 40, Deduct	*-222.67*	
		For >40, Deduct	*-371.77*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,516.18	755.31
		For >10 To 20, Deduct	*-112.90*	
		For >20 To 40, Deduct	*-225.81*	
		For >40, Deduct	*-376.48*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,583.09	755.31
		For >10 To 20, Deduct	*-114.58*	
		For >20 To 40, Deduct	*-229.15*	
		For >40, Deduct	*-381.50*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,986.73	755.31
		For >10 To 20, Deduct	*-124.67*	
		For >20 To 40, Deduct	*-249.34*	
		For >40, Deduct	*-411.77*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,824.42	797.27
		For >10 To 20, Deduct	*-120.61*	
		For >20 To 40, Deduct	*-241.22*	
		For >40, Deduct	*-401.70*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,342.34	797.27
		For >10 To 20, Deduct	*-133.56*	
		For >20 To 40, Deduct	*-267.12*	
		For >40, Deduct	*-440.54*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,392.79	797.27
		For >10 To 20, Deduct	*-134.82*	
		For >20 To 40, Deduct	*-269.64*	
		For >40, Deduct	*-444.32*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,713.03	797.27
		For >10 To 20, Deduct	*-142.83*	
		For >20 To 40, Deduct	*-285.65*	
		For >40, Deduct	*-468.34*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,005.11	797.27
		For >10 To 20, Deduct	*-150.13*	
		For >20 To 40, Deduct	*-300.26*	
		For >40, Deduct	*-490.25*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,114.04	839.23
		For >10 To 20, Deduct	*-127.85*	
		For >20 To 40, Deduct	*-255.70*	
		For >40, Deduct	*-425.51*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,269.06	881.19
		For >10 To 20, Deduct	*-131.73*	
		For >20 To 40, Deduct	*-263.45*	
		For >40, Deduct	*-439.24*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,398.73	923.16
		For >10 To 20, Deduct	*-134.97*	
		For >20 To 40, Deduct	*-269.94*	
		For >40, Deduct	*-451.06*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,520.61	923.16
		For >10 To 20, Deduct	*-138.02*	
		For >20 To 40, Deduct	*-276.03*	
		For >40, Deduct	*-460.20*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,975.15	965.11
		For >10 To 20, Deduct	*-149.38*	
		For >20 To 40, Deduct	*-298.76*	
		For >40, Deduct	*-496.39*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,790.29	1,007.08
		For >10 To 20, Deduct	*-169.76*	
		For >20 To 40, Deduct	*-339.51*	
		For >40, Deduct	*-559.63*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,561.61	965.11
		For >10 To 20, Deduct	*-164.04*	
		For >20 To 40, Deduct	*-328.08*	
		For >40, Deduct	*-540.38*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,705.11	1,007.08
		For >10 To 20, Deduct	*-167.63*	
		For >20 To 40, Deduct	*-335.26*	
		For >40, Deduct	*-553.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,039.46	1,049.04
		For >10 To 20, Deduct	*-200.99*	
		For >20 To 40, Deduct	*-401.97*	
		For >40, Deduct	*-655.41*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,213.81	503.54
		For >10 To 20, Deduct	*-80.35*	
		For >20 To 40, Deduct	*-160.69*	
		For >40, Deduct	*-266.21*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,292.42	503.54
		For >10 To 20, Deduct	*-82.31*	
		For >20 To 40, Deduct	*-164.62*	
		For >40, Deduct	*-272.11*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,371.20	503.54
		For >10 To 20, Deduct	*-84.28*	
		For >20 To 40, Deduct	*-168.56*	
		For >40, Deduct	*-278.02*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,870.94	671.39
		For >10 To 20, Deduct	*-96.77*	
		For >20 To 40, Deduct	*-193.55*	
		For >40, Deduct	*-323.89*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,930.86	671.39
		For >10 To 20, Deduct	*-98.27*	
		For >20 To 40, Deduct	*-196.54*	
		For >40, Deduct	*-328.38*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,996.33	671.39
		For >10 To 20, Deduct	*-99.91*	
		For >20 To 40, Deduct	*-199.82*	
		For >40, Deduct	*-333.29*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,367.23	755.31
		For >10 To 20, Deduct	*-109.18*	
		For >20 To 40, Deduct	*-218.36*	
		For >40, Deduct	*-365.31*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,448.58	755.31
		For >10 To 20, Deduct	*-111.21*	
		For >20 To 40, Deduct	*-222.43*	
		For >40, Deduct	*-371.41*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,460.78	755.31
		For >10 To 20, Deduct	*-111.52*	
		For >20 To 40, Deduct	*-223.04*	
		For >40, Deduct	*-372.32*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,740.60	797.27
		For >10 To 20, Deduct	*-118.52*	
		For >20 To 40, Deduct	*-237.03*	
		For >40, Deduct	*-395.41*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,776.28	797.27
		For >10 To 20, Deduct	*-119.41*	
		For >20 To 40, Deduct	*-238.81*	
		For >40, Deduct	*-398.08*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,859.92	797.27
		For >10 To 20, Deduct	*-121.50*	
		For >20 To 40, Deduct	*-243.00*	
		For >40, Deduct	*-404.36*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,448.70	293.73
		For Galvanized Finish, Add	*25.84*	
		For >10 To 20, Deduct	*-49.14*	
		For >20 To 40, Deduct	*-89.66*	
		For >40, Deduct	*-187.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,580.33	335.69
		For Galvanized Finish, Add	*27.27*	
		For >10 To 20, Deduct	*-53.14*	
		For >20 To 40, Deduct	*-97.20*	
		For >40, Deduct	*-203.48*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,766.84	377.66
		For Galvanized Finish, Add	*30.35*	
		For >10 To 20, Deduct	*-59.34*	
		For >20 To 40, Deduct	*-108.57*	
		For >40, Deduct	*-227.26*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,958.11	419.61
		For Galvanized Finish, Add	*33.57*	
		For >10 To 20, Deduct	*-65.74*	
		For >20 To 40, Deduct	*-120.28*	
		For >40, Deduct	*-251.76*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,089.76	461.58
		For Galvanized Finish, Add	*35.00*	
		For >10 To 20, Deduct	*-69.74*	
		For >20 To 40, Deduct	*-127.82*	
		For >40, Deduct	*-267.31*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,209.46	503.54
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-73.27*	
		For >20 To 40, Deduct	*-134.52*	
		For >40, Deduct	*-281.07*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,510.73	293.73
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-51.62*	
		For >20 To 40, Deduct	*-94.00*	
		For >40, Deduct	*-197.24*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,644.75	335.69
		For Galvanized Finish, Add	*29.20*	
		For >10 To 20, Deduct	*-55.72*	
		For >20 To 40, Deduct	*-101.70*	
		For >40, Deduct	*-213.14*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,895.67	377.66
		For Galvanized Finish, Add	*34.21*	
		For >10 To 20, Deduct	*-64.50*	
		For >20 To 40, Deduct	*-117.59*	
		For >40, Deduct	*-246.59*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,041.61	419.61
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-69.08*	
		For >20 To 40, Deduct	*-126.13*	
		For >40, Deduct	*-264.28*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,180.41	461.58
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-73.37*	
		For >20 To 40, Deduct	*-134.17*	
		For >40, Deduct	*-280.90*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,295.35	503.54
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-76.71*	
		For >20 To 40, Deduct	*-140.53*	
		For >40, Deduct	*-293.95*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,719.31	671.39
		For Galvanized Finish, Add	*41.30*	
		For >10 To 20, Deduct	*-88.63*	
		For >20 To 40, Deduct	*-163.50*	
		For >40, Deduct	*-340.76*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,510.73	293.73
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-51.62*	
		For >20 To 40, Deduct	*-94.00*	
		For >40, Deduct	*-197.24*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,651.90	335.69
		For Galvanized Finish, Add	*29.42*	
		For >10 To 20, Deduct	*-56.01*	
		For >20 To 40, Deduct	*-102.21*	
		For >40, Deduct	*-214.22*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,933.84	377.66
		For Galvanized Finish, Add	*35.36*	
		For >10 To 20, Deduct	*-66.02*	
		For >20 To 40, Deduct	*-120.26*	
		For >40, Deduct	*-252.31*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,048.77	419.61
		For Galvanized Finish, Add	*36.29*	
		For >10 To 20, Deduct	*-69.36*	
		For >20 To 40, Deduct	*-126.63*	
		For >40, Deduct	*-265.35*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,180.41	461.58
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-73.37*	
		For >20 To 40, Deduct	*-134.17*	
		For >40, Deduct	*-280.90*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,295.35	503.54
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-76.71*	
		For >20 To 40, Deduct	*-140.53*	
		For >40, Deduct	*-293.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,786.11	671.39
		For Galvanized Finish, Add	*43.30*	
		For >10 To 20, Deduct	*-91.30*	
		For >20 To 40, Deduct	*-168.17*	
		For >40, Deduct	*-350.78*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	3,078.01	755.31
		For Galvanized Finish, Add	*47.02*	
		For >10 To 20, Deduct	*-100.46*	
		For >20 To 40, Deduct	*-185.25*	
		For >40, Deduct	*-386.17*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,448.03	503.54
		For Galvanized Finish, Add	*43.23*	
		For >10 To 20, Deduct	*-82.82*	
		For >20 To 40, Deduct	*-151.22*	
		For >40, Deduct	*-316.85*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,817.12	671.39
		For Galvanized Finish, Add	*44.23*	
		For >10 To 20, Deduct	*-92.54*	
		For >20 To 40, Deduct	*-170.34*	
		For >40, Deduct	*-355.43*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	3,137.65	755.31
		For Galvanized Finish, Add	*48.81*	
		For >10 To 20, Deduct	*-102.85*	
		For >20 To 40, Deduct	*-189.42*	
		For >40, Deduct	*-395.12*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,987.19	503.54
		For Galvanized Finish, Add	*59.40*	
		For >10 To 20, Deduct	*-104.38*	
		For >20 To 40, Deduct	*-188.96*	
		For >40, Deduct	*-397.72*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,061.15	503.54
		For Galvanized Finish, Add	*61.62*	
		For >10 To 20, Deduct	*-107.34*	
		For >20 To 40, Deduct	*-194.14*	
		For >40, Deduct	*-408.82*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,559.07	671.39
		For Galvanized Finish, Add	*66.49*	
		For >10 To 20, Deduct	*-122.22*	
		For >20 To 40, Deduct	*-222.28*	
		For >40, Deduct	*-466.72*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,711.75	671.39
		For Galvanized Finish, Add	*71.07*	
		For >10 To 20, Deduct	*-128.33*	
		For >20 To 40, Deduct	*-232.97*	
		For >40, Deduct	*-489.62*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,965.48	755.31
		For Galvanized Finish, Add	*73.65*	
		For >10 To 20, Deduct	*-135.96*	
		For >20 To 40, Deduct	*-247.37*	
		For >40, Deduct	*-519.29*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,220.75	755.31
		For Galvanized Finish, Add	*81.30*	
		For >10 To 20, Deduct	*-146.17*	
		For >20 To 40, Deduct	*-265.24*	
		For >40, Deduct	*-557.58*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,357.17	797.27
		For Galvanized Finish, Add	*82.88*	
		For >10 To 20, Deduct	*-150.37*	
		For >20 To 40, Deduct	*-273.11*	
		For >40, Deduct	*-573.85*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,514.62	797.27
		For Galvanized Finish, Add	*87.60*	
		For >10 To 20, Deduct	*-156.67*	
		For >20 To 40, Deduct	*-284.13*	
		For >40, Deduct	*-597.47*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,891.56	797.27
		For Galvanized Finish, Add	*98.91*	
		For >10 To 20, Deduct	*-171.74*	
		For >20 To 40, Deduct	*-310.52*	
		For >40, Deduct	*-654.01*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,946.85	839.23
		For Galvanized Finish, Add	*98.05*	
		For >10 To 20, Deduct	*-172.70*	
		For >20 To 40, Deduct	*-312.71*	
		For >40, Deduct	*-658.10*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,013.65	839.23
		For Galvanized Finish, Add	*100.06*	
		For >10 To 20, Deduct	*-175.37*	
		For >20 To 40, Deduct	*-317.39*	
		For >40, Deduct	*-668.12*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,803.06	1,091.00
		For Galvanized Finish, Add	*138.63*	
		For >10 To 20, Deduct	*-239.39*	
		For >20 To 40, Deduct	*-432.57*	
		For >40, Deduct	*-911.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,124.45	1,258.85
		For Galvanized Finish, Add	*138.20*	
		For >10 To 20, Deduct	*-247.21*	
		For >20 To 40, Deduct	*-448.36*	
		For >40, Deduct	*-942.78*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,747.14	671.39
		For Galvanized Finish, Add	*102.13*	
		For >10 To 20, Deduct	*-169.74*	
		For >20 To 40, Deduct	*-305.44*	
		For >40, Deduct	*-644.93*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,387.35	755.31
		For Galvanized Finish, Add	*116.30*	
		For >10 To 20, Deduct	*-192.83*	
		For >20 To 40, Deduct	*-346.90*	
		For >40, Deduct	*-732.57*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,232.73	839.23
		For Galvanized Finish, Add	*136.63*	
		For >10 To 20, Deduct	*-224.13*	
		For >20 To 40, Deduct	*-402.72*	
		For >40, Deduct	*-850.99*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,547.39	1,091.00
		For Galvanized Finish, Add	*160.96*	
		For >10 To 20, Deduct	*-269.17*	
		For >20 To 40, Deduct	*-484.68*	
		For >40, Deduct	*-1,023.01*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,803.97	1,258.85
		For Galvanized Finish, Add	*188.59*	
		For >10 To 20, Deduct	*-314.39*	
		For >20 To 40, Deduct	*-565.92*	
		For >40, Deduct	*-1,194.71*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,774.94	1,258.85
		For Galvanized Finish, Add	*217.72*	
		For >10 To 20, Deduct	*-353.23*	
		For >20 To 40, Deduct	*-633.89*	
		For >40, Deduct	*-1,340.36*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	13,019.46	1,258.85
		For Galvanized Finish, Add	*315.05*	
		For >10 To 20, Deduct	*-483.01*	
		For >20 To 40, Deduct	*-861.01*	
		For >40, Deduct	*-1,827.03*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	14,594.01	1,258.85
		For Galvanized Finish, Add	*362.29*	
		For >10 To 20, Deduct	*-545.99*	
		For >20 To 40, Deduct	*-971.23*	
		For >40, Deduct	*-2,063.22*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,429.61	293.73
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-48.37*	
		For >20 To 40, Deduct	*-88.32*	
		For >40, Deduct	*-185.07*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,513.53	335.69
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-50.47*	
		For >20 To 40, Deduct	*-92.52*	
		For >40, Deduct	*-193.46*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,638.01	377.66
		For Galvanized Finish, Add	*26.48*	
		For >10 To 20, Deduct	*-54.19*	
		For >20 To 40, Deduct	*-99.55*	
		For >40, Deduct	*-207.94*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,737.23	398.63
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-57.53*	
		For >20 To 40, Deduct	*-105.66*	
		For >40, Deduct	*-220.72*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,779.19	419.61
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-58.58*	
		For >20 To 40, Deduct	*-107.76*	
		For >40, Deduct	*-224.92*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,889.36	461.58
		For Galvanized Finish, Add	*28.99*	
		For >10 To 20, Deduct	*-61.73*	
		For >20 To 40, Deduct	*-113.79*	
		For >40, Deduct	*-237.25*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,994.75	503.54
		For Galvanized Finish, Add	*29.63*	
		For >10 To 20, Deduct	*-64.68*	
		For >20 To 40, Deduct	*-119.49*	
		For >40, Deduct	*-248.86*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,473.58	671.39
		For Galvanized Finish, Add	*33.92*	
		For >10 To 20, Deduct	*-78.80*	
		For >20 To 40, Deduct	*-146.30*	
		For >40, Deduct	*-303.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,316.82	503.54
		For Galvanized Finish, Add	*39.29*	
		For >10 To 20, Deduct	*-77.57*	
		For >20 To 40, Deduct	*-142.04*	
		For >40, Deduct	*-297.17*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,917.32	671.39
		For Galvanized Finish, Add	*47.24*	
		For >10 To 20, Deduct	*-96.55*	
		For >20 To 40, Deduct	*-177.36*	
		For >40, Deduct	*-370.46*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,345.21	755.31
		For Galvanized Finish, Add	*55.04*	
		For >10 To 20, Deduct	*-111.15*	
		For >20 To 40, Deduct	*-203.95*	
		For >40, Deduct	*-426.25*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,228.55	503.54
		For Galvanized Finish, Add	*36.64*	
		For >10 To 20, Deduct	*-74.04*	
		For >20 To 40, Deduct	*-135.86*	
		For >40, Deduct	*-283.93*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,745.55	671.39
		For Galvanized Finish, Add	*42.08*	
		For >10 To 20, Deduct	*-89.68*	
		For >20 To 40, Deduct	*-165.33*	
		For >40, Deduct	*-344.69*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,197.30	755.31
		For Galvanized Finish, Add	*50.60*	
		For >10 To 20, Deduct	*-105.23*	
		For >20 To 40, Deduct	*-193.60*	
		For >40, Deduct	*-404.06*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,531.53	503.54
		For Galvanized Finish, Add	*45.73*	
		For >10 To 20, Deduct	*-86.16*	
		For >20 To 40, Deduct	*-157.07*	
		For >40, Deduct	*-329.38*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,132.03	671.39
		For Galvanized Finish, Add	*53.68*	
		For >10 To 20, Deduct	*-105.14*	
		For >20 To 40, Deduct	*-192.39*	
		For >40, Deduct	*-402.67*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,547.99	755.31
		For Galvanized Finish, Add	*61.12*	
		For >10 To 20, Deduct	*-119.26*	
		For >20 To 40, Deduct	*-218.15*	
		For >40, Deduct	*-456.67*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,927.75	797.27
		For Galvanized Finish, Add	*70.00*	
		For >10 To 20, Deduct	*-133.19*	
		For >20 To 40, Deduct	*-243.05*	
		For >40, Deduct	*-509.44*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,017.97	755.31
		For Galvanized Finish, Add	*75.22*	
		For >10 To 20, Deduct	*-138.06*	
		For >20 To 40, Deduct	*-251.05*	
		For >40, Deduct	*-527.16*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,400.11	797.27
		For Galvanized Finish, Add	*84.17*	
		For >10 To 20, Deduct	*-152.09*	
		For >20 To 40, Deduct	*-276.12*	
		For >40, Deduct	*-580.29*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,653.41	839.23
		For Galvanized Finish, Add	*89.25*	
		For >10 To 20, Deduct	*-160.96*	
		For >20 To 40, Deduct	*-292.17*	
		For >40, Deduct	*-614.09*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,963.04	503.54
		For Galvanized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-183.42*	
		For >20 To 40, Deduct	*-327.27*	
		For >40, Deduct	*-694.10*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,567.70	671.39
		For Galvanized Finish, Add	*126.75*	
		For >10 To 20, Deduct	*-202.57*	
		For >20 To 40, Deduct	*-362.88*	
		For >40, Deduct	*-768.02*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,745.25	755.31
		For Galvanized Finish, Add	*187.04*	
		For >10 To 20, Deduct	*-287.15*	
		For >20 To 40, Deduct	*-511.96*	
		For >40, Deduct	*-1,086.26*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,059.46	503.54
		For Galvanized Finish, Add	*121.57*	
		For >10 To 20, Deduct	*-187.27*	
		For >20 To 40, Deduct	*-334.02*	
		For >40, Deduct	*-708.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,128.49	671.39
		For Galvanized Finish, Add	*143.57*	
		For >10 To 20, Deduct	*-225.00*	
		For >20 To 40, Deduct	*-402.14*	
		For >40, Deduct	*-852.14*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,580.08	755.31
		For Galvanized Finish, Add	*212.08*	
		For >10 To 20, Deduct	*-320.54*	
		For >20 To 40, Deduct	*-570.39*	
		For >40, Deduct	*-1,211.48*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,828.72	797.27
		For Galvanized Finish, Add	*247.03*	
		For >10 To 20, Deduct	*-369.23*	
		For >20 To 40, Deduct	*-656.12*	
		For >40, Deduct	*-1,394.58*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,529.03	839.23
		For Galvanized Finish, Add	*295.52*	
		For >10 To 20, Deduct	*-435.98*	
		For >20 To 40, Deduct	*-773.46*	
		For >40, Deduct	*-1,645.43*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,810.79	503.54
		For Galvanized Finish, Add	*114.11*	
		For >10 To 20, Deduct	*-177.33*	
		For >20 To 40, Deduct	*-316.61*	
		For >40, Deduct	*-671.26*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,324.10	671.39
		For Galvanized Finish, Add	*119.44*	
		For >10 To 20, Deduct	*-192.82*	
		For >20 To 40, Deduct	*-345.83*	
		For >40, Deduct	*-731.48*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,316.41	755.31
		For Galvanized Finish, Add	*174.17*	
		For >10 To 20, Deduct	*-270.00*	
		For >20 To 40, Deduct	*-481.94*	
		For >40, Deduct	*-1,021.93*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,985.87	503.54
		For Galvanized Finish, Add	*119.36*	
		For >10 To 20, Deduct	*-184.33*	
		For >20 To 40, Deduct	*-328.87*	
		For >40, Deduct	*-697.53*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,900.11	671.39
		For Galvanized Finish, Add	*136.72*	
		For >10 To 20, Deduct	*-215.86*	
		For >20 To 40, Deduct	*-386.15*	
		For >40, Deduct	*-817.88*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,262.90	755.31
		For Galvanized Finish, Add	*202.57*	
		For >10 To 20, Deduct	*-307.86*	
		For >20 To 40, Deduct	*-548.19*	
		For >40, Deduct	*-1,163.90*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,254.85	503.54
		For Galvanized Finish, Add	*127.43*	
		For >10 To 20, Deduct	*-195.09*	
		For >20 To 40, Deduct	*-347.70*	
		For >40, Deduct	*-737.87*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,384.77	671.39
		For Galvanized Finish, Add	*151.26*	
		For >10 To 20, Deduct	*-235.25*	
		For >20 To 40, Deduct	*-420.08*	
		For >40, Deduct	*-890.58*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,833.83	755.31
		For Galvanized Finish, Add	*219.70*	
		For >10 To 20, Deduct	*-330.69*	
		For >20 To 40, Deduct	*-588.16*	
		For >40, Deduct	*-1,249.54*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,138.30	797.27
		For Galvanized Finish, Add	*256.31*	
		For >10 To 20, Deduct	*-381.61*	
		For >20 To 40, Deduct	*-677.79*	
		For >40, Deduct	*-1,441.02*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,693.97	839.23
		For Galvanized Finish, Add	*300.47*	
		For >10 To 20, Deduct	*-442.58*	
		For >20 To 40, Deduct	*-785.01*	
		For >40, Deduct	*-1,670.17*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,791.17	503.54
		For Galvanized Finish, Add	*83.52*	
		For >10 To 20, Deduct	*-136.54*	
		For >20 To 40, Deduct	*-245.24*	
		For >40, Deduct	*-518.32*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,618.31	671.39
		For Galvanized Finish, Add	*98.27*	
		For >10 To 20, Deduct	*-164.59*	
		For >20 To 40, Deduct	*-296.43*	
		For >40, Deduct	*-625.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,141.62	755.31
		For Galvanized Finish, Add	*108.93*	
		For >10 To 20, Deduct	*-183.01*	
		For >20 To 40, Deduct	*-329.70*	
		For >40, Deduct	*-695.71*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,695.53	797.27
		For Galvanized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-203.90*	
		For >20 To 40, Deduct	*-366.80*	
		For >40, Deduct	*-774.60*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,003.71	839.23
		For Galvanized Finish, Add	*129.76*	
		For >10 To 20, Deduct	*-214.97*	
		For >20 To 40, Deduct	*-386.69*	
		For >40, Deduct	*-816.63*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,862.34	503.54
		For Galvanized Finish, Add	*115.66*	
		For >10 To 20, Deduct	*-179.39*	
		For >20 To 40, Deduct	*-320.22*	
		For >40, Deduct	*-679.00*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,458.07	671.39
		For Galvanized Finish, Add	*123.46*	
		For >10 To 20, Deduct	*-198.18*	
		For >20 To 40, Deduct	*-355.21*	
		For >40, Deduct	*-751.57*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,828.70	755.31
		For Galvanized Finish, Add	*129.54*	
		For >10 To 20, Deduct	*-210.49*	
		For >20 To 40, Deduct	*-377.80*	
		For >40, Deduct	*-798.77*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,458.52	755.31
		For Galvanized Finish, Add	*148.44*	
		For >10 To 20, Deduct	*-235.68*	
		For >20 To 40, Deduct	*-421.88*	
		For >40, Deduct	*-893.25*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,995.73	797.27
		For Galvanized Finish, Add	*162.04*	
		For >10 To 20, Deduct	*-255.91*	
		For >20 To 40, Deduct	*-457.81*	
		For >40, Deduct	*-969.63*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,775.85	797.27
		For Galvanized Finish, Add	*185.44*	
		For >10 To 20, Deduct	*-287.12*	
		For >20 To 40, Deduct	*-512.42*	
		For >40, Deduct	*-1,086.65*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,115.43	839.23
		For Galvanized Finish, Add	*163.11*	
		For >10 To 20, Deduct	*-259.44*	
		For >20 To 40, Deduct	*-464.51*	
		For >40, Deduct	*-983.39*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,035.91	839.23
		For Galvanized Finish, Add	*220.72*	
		For >10 To 20, Deduct	*-336.26*	
		For >20 To 40, Deduct	*-598.94*	
		For >40, Deduct	*-1,271.46*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,427.71	1,091.00
		For Galvanized Finish, Add	*187.37*	
		For >10 To 20, Deduct	*-304.38*	
		For >20 To 40, Deduct	*-546.30*	
		For >40, Deduct	*-1,155.06*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,737.45	1,091.00
		For Galvanized Finish, Add	*226.66*	
		For >10 To 20, Deduct	*-356.77*	
		For >20 To 40, Deduct	*-637.98*	
		For >40, Deduct	*-1,351.52*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,139.95	1,258.85
		For Galvanized Finish, Add	*228.67*	
		For >10 To 20, Deduct	*-367.83*	
		For >20 To 40, Deduct	*-659.44*	
		For >40, Deduct	*-1,395.11*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	84.58
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	125.79
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	127.96

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	884.96	251.77
		For Bronze Or Satin Anodized Finish, Add	*38.14*	
		For Black Anodized Finish, Add	*76.28*	
		For >10 To 20, Deduct	*-27.85*	
		For >20 To 40, Deduct	*-51.88*	
		For >40, Deduct	*-107.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	988.45	293.73
		For Bronze Or Satin Anodized Finish, Add	*40.10*	
		For Black Anodized Finish, Add	*80.20*	
		For >10 To 20, Deduct	*-30.73*	
		For >20 To 40, Deduct	*-57.44*	
		For >40, Deduct	*-118.89*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,096.82	335.69
		For Bronze Or Satin Anodized Finish, Add	*42.54*	
		For Black Anodized Finish, Add	*85.09*	
		For >10 To 20, Deduct	*-33.80*	
		For >20 To 40, Deduct	*-63.35*	
		For >40, Deduct	*-130.95*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,206.17	377.66
		For Bronze Or Satin Anodized Finish, Add	*45.09*	
		For Black Anodized Finish, Add	*90.17*	
		For >10 To 20, Deduct	*-36.92*	
		For >20 To 40, Deduct	*-69.33*	
		For >40, Deduct	*-143.16*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,264.76	398.63
		For Bronze Or Satin Anodized Finish, Add	*46.75*	
		For Black Anodized Finish, Add	*93.50*	
		For >10 To 20, Deduct	*-38.63*	
		For >20 To 40, Deduct	*-72.59*	
		For >40, Deduct	*-149.85*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,322.37	419.61
		For Bronze Or Satin Anodized Finish, Add	*48.31*	
		For Black Anodized Finish, Add	*96.63*	
		For >10 To 20, Deduct	*-40.31*	
		For >20 To 40, Deduct	*-75.78*	
		For >40, Deduct	*-156.39*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,381.05	419.61
		For Bronze Or Satin Anodized Finish, Add	*54.18*	
		For Black Anodized Finish, Add	*108.36*	
		For >10 To 20, Deduct	*-42.65*	
		For >20 To 40, Deduct	*-79.89*	
		For >40, Deduct	*-165.20*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,502.14	461.58
		For Bronze Or Satin Anodized Finish, Add	*57.90*	
		For Black Anodized Finish, Add	*115.80*	
		For >10 To 20, Deduct	*-46.24*	
		For >20 To 40, Deduct	*-86.69*	
		For >40, Deduct	*-179.16*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,617.36	503.54
		For Bronze Or Satin Anodized Finish, Add	*61.03*	
		For Black Anodized Finish, Add	*122.06*	
		For >10 To 20, Deduct	*-49.59*	
		For >20 To 40, Deduct	*-93.07*	
		For >40, Deduct	*-192.25*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,480.90	398.63
		For Bronze Or Satin Anodized Finish, Add	*68.36*	
		For Black Anodized Finish, Add	*136.73*	
		For >10 To 20, Deduct	*-47.28*	
		For >20 To 40, Deduct	*-87.72*	
		For >40, Deduct	*-182.27*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,833.50	503.54
		For Bronze Or Satin Anodized Finish, Add	*82.64*	
		For Black Anodized Finish, Add	*165.28*	
		For >10 To 20, Deduct	*-58.23*	
		For >20 To 40, Deduct	*-108.20*	
		For >40, Deduct	*-224.67*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,943.04	503.54
		For Bronze Or Satin Anodized Finish, Add	*93.60*	
		For Black Anodized Finish, Add	*187.19*	
		For >10 To 20, Deduct	*-62.62*	
		For >20 To 40, Deduct	*-115.87*	
		For >40, Deduct	*-241.10*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,381.42	671.39
		For Bronze Or Satin Anodized Finish, Add	*103.87*	
		For Black Anodized Finish, Add	*207.73*	
		For >10 To 20, Deduct	*-75.12*	
		For >20 To 40, Deduct	*-139.84*	
		For >40, Deduct	*-290.07*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,743.89	755.31
		For Bronze Or Satin Anodized Finish, Add	*123.33*	
		For Black Anodized Finish, Add	*246.65*	
		For >10 To 20, Deduct	*-87.10*	
		For >20 To 40, Deduct	*-161.86*	
		For >40, Deduct	*-336.05*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,684.84	503.54
		For Bronze Or Satin Anodized Finish, Add	*67.78*	
		For Black Anodized Finish, Add	*135.55*	
		For >10 To 20, Deduct	*-52.29*	
		For >20 To 40, Deduct	*-97.80*	
		For >40, Deduct	*-202.37*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,934.23	503.54
		For Bronze Or Satin Anodized Finish, Add	*92.72*	
		For Black Anodized Finish, Add	*185.43*	
		For >10 To 20, Deduct	*-62.26*	
		For >20 To 40, Deduct	*-115.25*	
		For >40, Deduct	*-239.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,365.77	671.39
		For Bronze Or Satin Anodized Finish, Add	*102.30*	
		For Black Anodized Finish, Add	*204.60*	
		For >10 To 20, Deduct	*-74.49*	
		For >20 To 40, Deduct	*-138.75*	
		For >40, Deduct	*-287.73*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,507.58	671.39
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-80.16*	
		For >20 To 40, Deduct	*-148.68*	
		For >40, Deduct	*-309.00*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,904.28	755.31
		For Bronze Or Satin Anodized Finish, Add	*139.37*	
		For Black Anodized Finish, Add	*278.73*	
		For >10 To 20, Deduct	*-93.51*	
		For >20 To 40, Deduct	*-173.09*	
		For >40, Deduct	*-360.11*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	984.72	251.77
		For Bronze, Satin Or Black Anodized Finish, Add	*72.18*	
		For >10 To 20, Deduct	*-31.84*	
		For >20 To 40, Deduct	*-58.86*	
		For >40, Deduct	*-122.53*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,107.77	293.73
		For Bronze, Satin Or Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-35.50*	
		For >20 To 40, Deduct	*-65.79*	
		For >40, Deduct	*-136.79*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,226.90	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*83.33*	
		For >10 To 20, Deduct	*-39.01*	
		For >20 To 40, Deduct	*-72.46*	
		For >40, Deduct	*-150.47*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,327.45	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*85.82*	
		For >10 To 20, Deduct	*-41.77*	
		For >20 To 40, Deduct	*-77.82*	
		For >40, Deduct	*-161.35*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,439.73	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*90.08*	
		For >10 To 20, Deduct	*-45.00*	
		For >20 To 40, Deduct	*-84.00*	
		For >40, Deduct	*-174.00*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,128.31	293.73
		For Bronze, Satin Or Black Anodized Finish, Add	*81.13*	
		For >10 To 20, Deduct	*-36.32*	
		For >20 To 40, Deduct	*-67.23*	
		For >40, Deduct	*-139.87*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,245.48	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*86.11*	
		For >10 To 20, Deduct	*-39.75*	
		For >20 To 40, Deduct	*-73.76*	
		For >40, Deduct	*-153.25*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,365.59	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-43.29*	
		For >20 To 40, Deduct	*-80.49*	
		For >40, Deduct	*-167.07*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,484.72	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*96.82*	
		For >10 To 20, Deduct	*-46.80*	
		For >20 To 40, Deduct	*-87.15*	
		For >40, Deduct	*-180.75*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,608.74	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-50.50*	
		For >20 To 40, Deduct	*-94.15*	
		For >40, Deduct	*-195.15*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,726.90	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*107.97*	
		For >10 To 20, Deduct	*-53.97*	
		For >20 To 40, Deduct	*-100.74*	
		For >40, Deduct	*-208.68*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,283.62	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*91.83*	
		For >10 To 20, Deduct	*-41.27*	
		For >20 To 40, Deduct	*-76.43*	
		For >40, Deduct	*-158.97*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,410.58	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*98.29*	
		For >10 To 20, Deduct	*-45.09*	
		For >20 To 40, Deduct	*-83.63*	
		For >40, Deduct	*-173.82*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,536.55	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*104.60*	
		For >10 To 20, Deduct	*-48.87*	
		For >20 To 40, Deduct	*-90.77*	
		For >40, Deduct	*-188.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,664.49	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*111.20*	
		For >10 To 20, Deduct	*-52.73*	
		For >20 To 40, Deduct	*-98.05*	
		For >40, Deduct	*-203.52*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,591.32	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*112.81*	
		For >10 To 20, Deduct	*-51.06*	
		For >20 To 40, Deduct	*-94.61*	
		For >40, Deduct	*-196.74*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,855.01	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*127.19*	
		For >10 To 20, Deduct	*-59.09*	
		For >20 To 40, Deduct	*-109.71*	
		For >40, Deduct	*-227.90*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,319.81	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*97.26*	
		For >10 To 20, Deduct	*-42.72*	
		For >20 To 40, Deduct	*-78.96*	
		For >40, Deduct	*-164.40*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,457.52	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*105.33*	
		For >10 To 20, Deduct	*-46.97*	
		For >20 To 40, Deduct	*-86.92*	
		For >40, Deduct	*-180.86*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,585.45	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*111.93*	
		For >10 To 20, Deduct	*-50.83*	
		For >20 To 40, Deduct	*-94.20*	
		For >40, Deduct	*-195.86*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,719.26	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-54.92*	
		For >20 To 40, Deduct	*-101.89*	
		For >40, Deduct	*-211.73*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,850.12	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*126.46*	
		For >10 To 20, Deduct	*-58.90*	
		For >20 To 40, Deduct	*-109.37*	
		For >40, Deduct	*-227.16*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,656.85	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*122.64*	
		For >10 To 20, Deduct	*-53.69*	
		For >20 To 40, Deduct	*-99.19*	
		For >40, Deduct	*-206.57*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,799.46	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*131.45*	
		For >10 To 20, Deduct	*-58.13*	
		For >20 To 40, Deduct	*-107.50*	
		For >40, Deduct	*-223.76*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,880.44	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*131.00*	
		For >10 To 20, Deduct	*-60.11*	
		For >20 To 40, Deduct	*-111.49*	
		For >40, Deduct	*-231.71*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	779.52	209.81
		For Bronze Or Satin Anodized Finish, Add	*35.99*	
		For Black Anodized Finish, Add	*71.98*	
		For >10 To 20, Deduct	*-24.89*	
		For >20 To 40, Deduct	*-46.17*	
		For >40, Deduct	*-95.95*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	840.07	230.79
		For Bronze Or Satin Anodized Finish, Add	*37.85*	
		For Black Anodized Finish, Add	*75.70*	
		For >10 To 20, Deduct	*-26.68*	
		For >20 To 40, Deduct	*-49.57*	
		For >40, Deduct	*-102.93*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	926.04	251.77
		For Bronze Or Satin Anodized Finish, Add	*42.25*	
		For Black Anodized Finish, Add	*84.50*	
		For >10 To 20, Deduct	*-29.49*	
		For >20 To 40, Deduct	*-54.75*	
		For >40, Deduct	*-113.73*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	948.53	251.77
		For Bronze Or Satin Anodized Finish, Add	*44.50*	
		For Black Anodized Finish, Add	*89.00*	
		For >10 To 20, Deduct	*-30.39*	
		For >20 To 40, Deduct	*-56.33*	
		For >40, Deduct	*-117.10*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	976.90	251.77
		For Bronze Or Satin Anodized Finish, Add	*47.34*	
		For Black Anodized Finish, Add	*94.67*	
		For >10 To 20, Deduct	*-31.52*	
		For >20 To 40, Deduct	*-58.31*	
		For >40, Deduct	*-121.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,104.92	272.76
		For Bronze Or Satin Anodized Finish, Add	*55.94*	
		For Black Anodized Finish, Add	*111.88*	
		For >10 To 20, Deduct	*-36.01*	
		For >20 To 40, Deduct	*-66.43*	
		For >40, Deduct	*-138.46*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,183.08	293.73
		For Bronze Or Satin Anodized Finish, Add	*59.56*	
		For Black Anodized Finish, Add	*119.12*	
		For >10 To 20, Deduct	*-38.51*	
		For >20 To 40, Deduct	*-71.07*	
		For >40, Deduct	*-148.09*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,334.67	293.73
		For Bronze Or Satin Anodized Finish, Add	*74.72*	
		For Black Anodized Finish, Add	*149.44*	
		For >10 To 20, Deduct	*-44.57*	
		For >20 To 40, Deduct	*-81.68*	
		For >40, Deduct	*-170.83*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,613.21	335.69
		For Bronze Or Satin Anodized Finish, Add	*94.18*	
		For Black Anodized Finish, Add	*188.36*	
		For >10 To 20, Deduct	*-54.46*	
		For >20 To 40, Deduct	*-99.50*	
		For >40, Deduct	*-208.41*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,828.19	377.66
		For Bronze Or Satin Anodized Finish, Add	*107.29*	
		For Black Anodized Finish, Add	*214.58*	
		For >10 To 20, Deduct	*-61.80*	
		For >20 To 40, Deduct	*-112.87*	
		For >40, Deduct	*-236.46*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,007.16	377.66
		For Bronze Or Satin Anodized Finish, Add	*125.19*	
		For Black Anodized Finish, Add	*250.37*	
		For >10 To 20, Deduct	*-68.96*	
		For >20 To 40, Deduct	*-125.40*	
		For >40, Deduct	*-263.31*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	780.32	251.77
		For Bronze Or Satin Anodized Finish, Add	*27.68*	
		For Black Anodized Finish, Add	*55.36*	
		For >10 To 20, Deduct	*-23.66*	
		For >20 To 40, Deduct	*-44.55*	
		For >40, Deduct	*-91.87*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	886.74	293.73
		For Bronze Or Satin Anodized Finish, Add	*29.93*	
		For Black Anodized Finish, Add	*59.85*	
		For >10 To 20, Deduct	*-26.66*	
		For >20 To 40, Deduct	*-50.32*	
		For >40, Deduct	*-103.64*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	993.16	335.69
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.35*	
		For >10 To 20, Deduct	*-29.66*	
		For >20 To 40, Deduct	*-56.09*	
		For >40, Deduct	*-115.40*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,108.37	377.66
		For Bronze Or Satin Anodized Finish, Add	*35.31*	
		For Black Anodized Finish, Add	*70.61*	
		For >10 To 20, Deduct	*-33.01*	
		For >20 To 40, Deduct	*-62.48*	
		For >40, Deduct	*-128.49*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,222.61	419.61
		For Bronze Or Satin Anodized Finish, Add	*38.34*	
		For Black Anodized Finish, Add	*76.68*	
		For >10 To 20, Deduct	*-36.32*	
		For >20 To 40, Deduct	*-68.80*	
		For >40, Deduct	*-141.43*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	912.17	293.73
		For Bronze Or Satin Anodized Finish, Add	*32.47*	
		For Black Anodized Finish, Add	*64.94*	
		For >10 To 20, Deduct	*-27.67*	
		For >20 To 40, Deduct	*-52.10*	
		For >40, Deduct	*-107.45*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,033.25	335.69
		For Bronze Or Satin Anodized Finish, Add	*36.19*	
		For Black Anodized Finish, Add	*72.37*	
		For >10 To 20, Deduct	*-31.26*	
		For >20 To 40, Deduct	*-58.90*	
		For >40, Deduct	*-121.42*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,151.40	377.66
		For Bronze Or Satin Anodized Finish, Add	*39.61*	
		For Black Anodized Finish, Add	*79.22*	
		For >10 To 20, Deduct	*-34.73*	
		For >20 To 40, Deduct	*-65.49*	
		For >40, Deduct	*-134.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,380.87	461.58
		For Bronze Or Satin Anodized Finish, Add	*45.77*	
		For Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-41.39*	
		For >20 To 40, Deduct	*-78.20*	
		For >40, Deduct	*-160.97*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,489.24	503.54
		For Bronze Or Satin Anodized Finish, Add	*48.22*	
		For Black Anodized Finish, Add	*96.43*	
		For >10 To 20, Deduct	*-44.46*	
		For >20 To 40, Deduct	*-84.11*	
		For >40, Deduct	*-173.03*	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,069.44	335.69
		For Bronze Or Satin Anodized Finish, Add	*39.81*	
		For Black Anodized Finish, Add	*79.61*	
		For >10 To 20, Deduct	*-32.71*	
		For >20 To 40, Deduct	*-61.43*	
		For >40, Deduct	*-126.85*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,193.46	377.66
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-36.41*	
		For >20 To 40, Deduct	*-68.44*	
		For >40, Deduct	*-141.25*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,324.32	419.61
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-40.38*	
		For >20 To 40, Deduct	*-75.92*	
		For >40, Deduct	*-156.69*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,437.59	461.58
		For Bronze Or Satin Anodized Finish, Add	*51.44*	
		For Black Anodized Finish, Add	*102.89*	
		For >10 To 20, Deduct	*-43.66*	
		For >20 To 40, Deduct	*-82.17*	
		For >40, Deduct	*-169.48*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,564.55	503.54
		For Bronze Or Satin Anodized Finish, Add	*55.75*	
		For Black Anodized Finish, Add	*111.49*	
		For >10 To 20, Deduct	*-47.48*	
		For >20 To 40, Deduct	*-89.38*	
		For >40, Deduct	*-184.33*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,420.17	419.61
		For Bronze Or Satin Anodized Finish, Add	*58.09*	
		For Black Anodized Finish, Add	*116.19*	
		For >10 To 20, Deduct	*-44.22*	
		For >20 To 40, Deduct	*-82.63*	
		For >40, Deduct	*-171.06*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,559.84	461.58
		For Bronze Or Satin Anodized Finish, Add	*63.67*	
		For Black Anodized Finish, Add	*127.34*	
		For >10 To 20, Deduct	*-48.55*	
		For >20 To 40, Deduct	*-90.73*	
		For >40, Deduct	*-187.82*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,659.41	503.54
		For Bronze Or Satin Anodized Finish, Add	*65.23*	
		For Black Anodized Finish, Add	*130.47*	
		For >10 To 20, Deduct	*-51.27*	
		For >20 To 40, Deduct	*-96.02*	
		For >40, Deduct	*-198.56*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,914.30	587.47
		For Bronze Or Satin Anodized Finish, Add	*73.94*	
		For Black Anodized Finish, Add	*147.88*	
		For >10 To 20, Deduct	*-58.95*	
		For >20 To 40, Deduct	*-110.50*	
		For >40, Deduct	*-228.40*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,175.06	671.39
		For Bronze Or Satin Anodized Finish, Add	*83.23*	
		For Black Anodized Finish, Add	*166.46*	
		For >10 To 20, Deduct	*-66.86*	
		For >20 To 40, Deduct	*-125.40*	
		For >40, Deduct	*-259.12*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,655.69	461.58
		For Bronze Or Satin Anodized Finish, Add	*73.25*	
		For Black Anodized Finish, Add	*146.51*	
		For >10 To 20, Deduct	*-52.38*	
		For >20 To 40, Deduct	*-97.44*	
		For >40, Deduct	*-202.20*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,775.80	503.54
		For Bronze Or Satin Anodized Finish, Add	*76.87*	
		For Black Anodized Finish, Add	*153.74*	
		For >10 To 20, Deduct	*-55.93*	
		For >20 To 40, Deduct	*-104.16*	
		For >40, Deduct	*-216.02*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,006.23	587.47
		For Bronze Or Satin Anodized Finish, Add	*83.13*	
		For Black Anodized Finish, Add	*166.26*	
		For >10 To 20, Deduct	*-62.63*	
		For >20 To 40, Deduct	*-116.94*	
		For >40, Deduct	*-242.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,245.47	671.39
		For Bronze Or Satin Anodized Finish, Add	*90.27*	
		For Black Anodized Finish, Add	*180.54*	
		For >10 To 20, Deduct	*-69.68*	
		For >20 To 40, Deduct	*-130.33*	
		For >40, Deduct	*-269.68*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,408.61	713.35
		For Bronze Or Satin Anodized Finish, Add	*98.19*	
		For Black Anodized Finish, Add	*196.38*	
		For >10 To 20, Deduct	*-74.94*	
		For >20 To 40, Deduct	*-140.07*	
		For >40, Deduct	*-289.96*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,573.72	755.31
		For Bronze Or Satin Anodized Finish, Add	*106.31*	
		For Black Anodized Finish, Add	*212.62*	
		For >10 To 20, Deduct	*-80.29*	
		For >20 To 40, Deduct	*-149.95*	
		For >40, Deduct	*-310.53*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,097.18	587.47
		For Bronze Or Satin Anodized Finish, Add	*92.23*	
		For Black Anodized Finish, Add	*184.45*	
		For >10 To 20, Deduct	*-66.26*	
		For >20 To 40, Deduct	*-123.30*	
		For >40, Deduct	*-255.83*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,306.11	671.39
		For Bronze Or Satin Anodized Finish, Add	*96.33*	
		For Black Anodized Finish, Add	*192.67*	
		For >10 To 20, Deduct	*-72.10*	
		For >20 To 40, Deduct	*-134.57*	
		For >40, Deduct	*-278.78*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,474.14	713.35
		For Bronze Or Satin Anodized Finish, Add	*104.75*	
		For Black Anodized Finish, Add	*209.49*	
		For >10 To 20, Deduct	*-77.57*	
		For >20 To 40, Deduct	*-144.66*	
		For >40, Deduct	*-299.79*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,675.43	755.31
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-84.36*	
		For >20 To 40, Deduct	*-157.07*	
		For >40, Deduct	*-325.78*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,761.40	776.29
		For Bronze Or Satin Anodized Finish, Add	*120.88*	
		For Black Anodized Finish, Add	*241.76*	
		For >10 To 20, Deduct	*-87.17*	
		For >20 To 40, Deduct	*-162.25*	
		For >40, Deduct	*-336.58*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,921.71	797.27
		For Bronze Or Satin Anodized Finish, Add	*132.72*	
		For Black Anodized Finish, Add	*265.43*	
		For >10 To 20, Deduct	*-92.95*	
		For >20 To 40, Deduct	*-172.63*	
		For >40, Deduct	*-358.53*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,109.54	335.69
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-34.31*	
		For >20 To 40, Deduct	*-64.24*	
		For >40, Deduct	*-132.86*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,240.40	377.66
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-38.29*	
		For >20 To 40, Deduct	*-71.72*	
		For >40, Deduct	*-148.29*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,375.18	419.61
		For Bronze Or Satin Anodized Finish, Add	*53.60*	
		For Black Anodized Finish, Add	*107.19*	
		For >10 To 20, Deduct	*-42.42*	
		For >20 To 40, Deduct	*-79.48*	
		For >40, Deduct	*-164.32*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,499.21	461.58
		For Bronze Or Satin Anodized Finish, Add	*57.61*	
		For Black Anodized Finish, Add	*115.21*	
		For >10 To 20, Deduct	*-46.12*	
		For >20 To 40, Deduct	*-86.48*	
		For >40, Deduct	*-178.72*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,622.25	503.54
		For Bronze Or Satin Anodized Finish, Add	*61.52*	
		For Black Anodized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-49.78*	
		For >20 To 40, Deduct	*-93.42*	
		For >40, Deduct	*-192.98*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,481.78	419.61
		For Bronze Or Satin Anodized Finish, Add	*64.26*	
		For Black Anodized Finish, Add	*128.51*	
		For >10 To 20, Deduct	*-46.68*	
		For >20 To 40, Deduct	*-86.94*	
		For >40, Deduct	*-180.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,624.39	461.58
		For Bronze Or Satin Anodized Finish, Add	*70.12*	
		For Black Anodized Finish, Add	*140.25*	
		For >10 To 20, Deduct	*-51.13*	
		For >20 To 40, Deduct	*-95.24*	
		For >40, Deduct	*-197.50*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,736.68	503.54
		For Bronze Or Satin Anodized Finish, Add	*72.96*	
		For Black Anodized Finish, Add	*145.92*	
		For >10 To 20, Deduct	*-54.36*	
		For >20 To 40, Deduct	*-101.43*	
		For >40, Deduct	*-210.15*	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,986.67	587.47
		For Bronze Or Satin Anodized Finish, Add	*81.18*	
		For Black Anodized Finish, Add	*162.35*	
		For >10 To 20, Deduct	*-61.84*	
		For >20 To 40, Deduct	*-115.57*	
		For >40, Deduct	*-239.25*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,242.54	671.39
		For Bronze Or Satin Anodized Finish, Add	*89.98*	
		For Black Anodized Finish, Add	*179.95*	
		For >10 To 20, Deduct	*-69.56*	
		For >20 To 40, Deduct	*-130.12*	
		For >40, Deduct	*-269.24*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,207.70	587.47
		For Bronze Or Satin Anodized Finish, Add	*103.28*	
		For Black Anodized Finish, Add	*206.56*	
		For >10 To 20, Deduct	*-70.68*	
		For >20 To 40, Deduct	*-131.04*	
		For >40, Deduct	*-272.41*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,452.81	671.39
		For Bronze Or Satin Anodized Finish, Add	*111.00*	
		For Black Anodized Finish, Add	*222.01*	
		For >10 To 20, Deduct	*-77.97*	
		For >20 To 40, Deduct	*-144.84*	
		For >40, Deduct	*-300.78*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,632.58	713.35
		For Bronze Or Satin Anodized Finish, Add	*120.59*	
		For Black Anodized Finish, Add	*241.18*	
		For >10 To 20, Deduct	*-83.90*	
		For >20 To 40, Deduct	*-155.75*	
		For >40, Deduct	*-323.55*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,795.73	755.31
		For Bronze Or Satin Anodized Finish, Add	*128.51*	
		For Black Anodized Finish, Add	*257.02*	
		For >10 To 20, Deduct	*-89.17*	
		For >20 To 40, Deduct	*-165.49*	
		For >40, Deduct	*-343.83*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,932.55	776.29
		For Bronze Or Satin Anodized Finish, Add	*138.00*	
		For Black Anodized Finish, Add	*275.99*	
		For >10 To 20, Deduct	*-94.01*	
		For >20 To 40, Deduct	*-174.23*	
		For >40, Deduct	*-362.25*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,053.74	797.27
		For Bronze Or Satin Anodized Finish, Add	*145.92*	
		For Black Anodized Finish, Add	*291.84*	
		For >10 To 20, Deduct	*-98.23*	
		For >20 To 40, Deduct	*-181.87*	
		For >40, Deduct	*-378.33*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,159.26	818.26
		For Bronze Or Satin Anodized Finish, Add	*152.28*	
		For Black Anodized Finish, Add	*304.55*	
		For >10 To 20, Deduct	*-101.82*	
		For >20 To 40, Deduct	*-188.42*	
		For >40, Deduct	*-392.06*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,338.15	839.23
		For Bronze Or Satin Anodized Finish, Add	*165.97*	
		For Black Anodized Finish, Add	*331.94*	
		For >10 To 20, Deduct	*-108.35*	
		For >20 To 40, Deduct	*-200.10*	
		For >40, Deduct	*-416.80*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,055.08	713.35
		For Bronze Or Satin Anodized Finish, Add	*162.84*	
		For Black Anodized Finish, Add	*325.68*	
		For >10 To 20, Deduct	*-100.80*	
		For >20 To 40, Deduct	*-185.32*	
		For >40, Deduct	*-386.93*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,284.73	755.31
		For Bronze Or Satin Anodized Finish, Add	*177.41*	
		For Black Anodized Finish, Add	*354.82*	
		For >10 To 20, Deduct	*-108.73*	
		For >20 To 40, Deduct	*-199.72*	
		For >40, Deduct	*-417.18*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,441.12	776.29
		For Bronze Or Satin Anodized Finish, Add	*188.85*	
		For Black Anodized Finish, Add	*377.71*	
		For >10 To 20, Deduct	*-114.36*	
		For >20 To 40, Deduct	*-209.83*	
		For >40, Deduct	*-438.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,563.28	797.27
		For Bronze Or Satin Anodized Finish, Add	*196.87*	
		For Black Anodized Finish, Add	*393.75*	
		For >10 To 20, Deduct	*-118.61*	
		For >20 To 40, Deduct	*-217.54*	
		For >40, Deduct	*-454.76*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,637.51	818.26
		For Bronze Or Satin Anodized Finish, Add	*200.10*	
		For Black Anodized Finish, Add	*400.20*	
		For >10 To 20, Deduct	*-120.95*	
		For >20 To 40, Deduct	*-221.90*	
		For >40, Deduct	*-463.80*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,833.03	839.23
		For Bronze Or Satin Anodized Finish, Add	*215.46*	
		For Black Anodized Finish, Add	*430.91*	
		For >10 To 20, Deduct	*-128.14*	
		For >20 To 40, Deduct	*-234.74*	
		For >40, Deduct	*-491.03*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,921.09	713.35
		For Bronze Or Satin Anodized Finish, Add	*149.44*	
		For Black Anodized Finish, Add	*298.88*	
		For >10 To 20, Deduct	*-95.44*	
		For >20 To 40, Deduct	*-175.94*	
		For >40, Deduct	*-366.83*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,133.14	755.31
		For Bronze Or Satin Anodized Finish, Add	*162.25*	
		For Black Anodized Finish, Add	*324.50*	
		For >10 To 20, Deduct	*-102.67*	
		For >20 To 40, Deduct	*-189.11*	
		For >40, Deduct	*-394.44*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,219.11	776.29
		For Bronze Or Satin Anodized Finish, Add	*166.65*	
		For Black Anodized Finish, Add	*333.31*	
		For >10 To 20, Deduct	*-105.48*	
		For >20 To 40, Deduct	*-194.29*	
		For >40, Deduct	*-405.24*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,417.56	797.27
		For Bronze Or Satin Anodized Finish, Add	*182.30*	
		For Black Anodized Finish, Add	*364.60*	
		For >10 To 20, Deduct	*-112.78*	
		For >20 To 40, Deduct	*-207.34*	
		For >40, Deduct	*-432.91*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,522.10	818.26
		For Bronze Or Satin Anodized Finish, Add	*188.56*	
		For Black Anodized Finish, Add	*377.12*	
		For >10 To 20, Deduct	*-116.34*	
		For >20 To 40, Deduct	*-213.82*	
		For >40, Deduct	*-446.49*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,718.60	839.23
		For Bronze Or Satin Anodized Finish, Add	*204.01*	
		For Black Anodized Finish, Add	*408.03*	
		For >10 To 20, Deduct	*-123.57*	
		For >20 To 40, Deduct	*-226.73*	
		For >40, Deduct	*-473.87*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,533.32	713.35
		For Bronze Or Satin Anodized Finish, Add	*210.66*	
		For Black Anodized Finish, Add	*421.33*	
		For >10 To 20, Deduct	*-119.93*	
		For >20 To 40, Deduct	*-218.80*	
		For >40, Deduct	*-458.66*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,736.57	755.31
		For Bronze Or Satin Anodized Finish, Add	*222.60*	
		For Black Anodized Finish, Add	*445.19*	
		For >10 To 20, Deduct	*-126.80*	
		For >20 To 40, Deduct	*-231.35*	
		For >40, Deduct	*-484.95*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,894.91	776.29
		For Bronze Or Satin Anodized Finish, Add	*234.23*	
		For Black Anodized Finish, Add	*468.47*	
		For >10 To 20, Deduct	*-132.51*	
		For >20 To 40, Deduct	*-241.59*	
		For >40, Deduct	*-506.61*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,132.49	797.27
		For Bronze Or Satin Anodized Finish, Add	*253.79*	
		For Black Anodized Finish, Add	*507.59*	
		For >10 To 20, Deduct	*-141.38*	
		For >20 To 40, Deduct	*-257.38*	
		For >40, Deduct	*-540.15*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,195.95	818.26
		For Bronze Or Satin Anodized Finish, Add	*255.95*	
		For Black Anodized Finish, Add	*511.89*	
		For >10 To 20, Deduct	*-143.29*	
		For >20 To 40, Deduct	*-260.99*	
		For >40, Deduct	*-547.57*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,432.55	839.23
		For Bronze Or Satin Anodized Finish, Add	*275.41*	
		For Black Anodized Finish, Add	*550.82*	
		For >10 To 20, Deduct	*-152.12*	
		For >20 To 40, Deduct	*-276.71*	
		For >40, Deduct	*-580.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,724.59	1,258.85
		For Bronze Or Satin Anodized Finish, Add	*320.69*	
		For Black Anodized Finish, Add	*641.38*	
		For >10 To 20, Deduct	*-191.22*	
		For >20 To 40, Deduct	*-350.37*	
		For >40, Deduct	*-732.80*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,845.87	1,258.85
		For Bronze Or Satin Anodized Finish, Add	*332.82*	
		For Black Anodized Finish, Add	*665.63*	
		For >10 To 20, Deduct	*-196.07*	
		For >20 To 40, Deduct	*-358.86*	
		For >40, Deduct	*-751.00*	

26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	990.59	251.77
		For Bronze, Satin Or Black Anodized Finish, Add	*73.06*	
		For >10 To 20, Deduct	*-32.07*	
		For >20 To 40, Deduct	*-59.27*	
		For >40, Deduct	*-123.41*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,095.06	293.73
		For Bronze, Satin Or Black Anodized Finish, Add	*76.14*	
		For >10 To 20, Deduct	*-34.99*	
		For >20 To 40, Deduct	*-64.90*	
		For >40, Deduct	*-134.89*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,200.49	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*79.37*	
		For >10 To 20, Deduct	*-37.95*	
		For >20 To 40, Deduct	*-70.61*	
		For >40, Deduct	*-146.50*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,307.89	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*82.89*	
		For >10 To 20, Deduct	*-40.99*	
		For >20 To 40, Deduct	*-76.45*	
		For >40, Deduct	*-158.42*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,414.30	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*86.26*	
		For >10 To 20, Deduct	*-43.98*	
		For >20 To 40, Deduct	*-82.22*	
		For >40, Deduct	*-170.18*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,106.79	293.73
		For Bronze, Satin Or Black Anodized Finish, Add	*77.90*	
		For >10 To 20, Deduct	*-35.46*	
		For >20 To 40, Deduct	*-65.73*	
		For >40, Deduct	*-136.65*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,214.19	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*81.42*	
		For >10 To 20, Deduct	*-38.50*	
		For >20 To 40, Deduct	*-71.57*	
		For >40, Deduct	*-148.56*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,323.53	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*85.23*	
		For >10 To 20, Deduct	*-41.61*	
		For >20 To 40, Deduct	*-77.54*	
		For >40, Deduct	*-160.76*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,431.90	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*88.90*	
		For >10 To 20, Deduct	*-44.69*	
		For >20 To 40, Deduct	*-83.45*	
		For >40, Deduct	*-172.82*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,553.00	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*94.48*	
		For >10 To 20, Deduct	*-48.27*	
		For >20 To 40, Deduct	*-90.25*	
		For >40, Deduct	*-186.79*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,665.28	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*98.73*	
		For >10 To 20, Deduct	*-51.51*	
		For >20 To 40, Deduct	*-96.43*	
		For >40, Deduct	*-199.44*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,252.33	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*87.14*	
		For >10 To 20, Deduct	*-40.02*	
		For >20 To 40, Deduct	*-74.24*	
		For >40, Deduct	*-154.28*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,366.57	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-43.33*	
		For >20 To 40, Deduct	*-80.55*	
		For >40, Deduct	*-167.22*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,492.54	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*98.00*	
		For >10 To 20, Deduct	*-47.11*	
		For >20 To 40, Deduct	*-87.69*	
		For >40, Deduct	*-181.92*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,608.74	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-50.50*	
		For >20 To 40, Deduct	*-94.15*	
		For >40, Deduct	*-195.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,737.65	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*109.59*	
		For >10 To 20, Deduct	*-54.40*	
		For >20 To 40, Deduct	*-101.49*	
		For >40, Deduct	*-210.29*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,548.29	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-49.34*	
		For >20 To 40, Deduct	*-91.60*	
		For >40, Deduct	*-190.28*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,684.05	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*114.13*	
		For >10 To 20, Deduct	*-53.51*	
		For >20 To 40, Deduct	*-99.42*	
		For >40, Deduct	*-206.45*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,798.29	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-56.83*	
		For >20 To 40, Deduct	*-105.74*	
		For >40, Deduct	*-219.39*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,282.65	335.69
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-41.24*	
		For >20 To 40, Deduct	*-76.36*	
		For >40, Deduct	*-158.83*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,412.53	377.66
		For Bronze, Satin Or Black Anodized Finish, Add	*98.58*	
		For >10 To 20, Deduct	*-45.17*	
		For >20 To 40, Deduct	*-83.77*	
		For >40, Deduct	*-174.11*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,548.29	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-49.34*	
		For >20 To 40, Deduct	*-91.60*	
		For >40, Deduct	*-190.28*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,672.32	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*112.37*	
		For >10 To 20, Deduct	*-53.05*	
		For >20 To 40, Deduct	*-98.60*	
		For >40, Deduct	*-204.69*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,803.18	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-57.02*	
		For >20 To 40, Deduct	*-106.08*	
		For >40, Deduct	*-220.12*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,611.86	419.61
		For Bronze, Satin Or Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-51.89*	
		For >20 To 40, Deduct	*-96.05*	
		For >40, Deduct	*-199.82*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,755.45	461.58
		For Bronze, Satin Or Black Anodized Finish, Add	*124.84*	
		For >10 To 20, Deduct	*-56.37*	
		For >20 To 40, Deduct	*-104.42*	
		For >40, Deduct	*-217.16*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,874.57	503.54
		For Bronze, Satin Or Black Anodized Finish, Add	*130.12*	
		For >10 To 20, Deduct	*-59.88*	
		For >20 To 40, Deduct	*-111.08*	
		For >40, Deduct	*-230.83*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	709.10	209.81
		For Bronze Or Satin Anodized Finish, Add	*28.95*	
		For Black Anodized Finish, Add	*57.90*	
		For >10 To 20, Deduct	*-22.07*	
		For >20 To 40, Deduct	*-41.24*	
		For >40, Deduct	*-85.38*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	736.49	209.81
		For Bronze Or Satin Anodized Finish, Add	*31.69*	
		For Black Anodized Finish, Add	*63.38*	
		For >10 To 20, Deduct	*-23.17*	
		For >20 To 40, Deduct	*-43.16*	
		For >40, Deduct	*-89.49*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	800.95	230.79
		For Bronze Or Satin Anodized Finish, Add	*33.94*	
		For Black Anodized Finish, Add	*67.87*	
		For >10 To 20, Deduct	*-25.11*	
		For >20 To 40, Deduct	*-46.83*	
		For >40, Deduct	*-97.06*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	858.56	251.77
		For Bronze Or Satin Anodized Finish, Add	*35.50*	
		For Black Anodized Finish, Add	*71.00*	
		For >10 To 20, Deduct	*-26.79*	
		For >20 To 40, Deduct	*-50.03*	
		For >40, Deduct	*-103.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	893.77	251.77
		For Bronze Or Satin Anodized Finish, Add	*39.02*	
		For Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-28.20*	
		For >20 To 40, Deduct	*-52.49*	
		For >40, Deduct	*-108.89*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	827.36	230.79
		For Bronze Or Satin Anodized Finish, Add	*36.58*	
		For Black Anodized Finish, Add	*73.16*	
		For >10 To 20, Deduct	*-26.17*	
		For >20 To 40, Deduct	*-48.68*	
		For >40, Deduct	*-101.03*	
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	896.70	251.77
		For Bronze Or Satin Anodized Finish, Add	*39.32*	
		For Black Anodized Finish, Add	*78.63*	
		For >10 To 20, Deduct	*-28.31*	
		For >20 To 40, Deduct	*-52.70*	
		For >40, Deduct	*-109.33*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	916.26	251.77
		For Bronze Or Satin Anodized Finish, Add	*41.27*	
		For Black Anodized Finish, Add	*82.54*	
		For >10 To 20, Deduct	*-29.10*	
		For >20 To 40, Deduct	*-54.07*	
		For >40, Deduct	*-112.26*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	989.52	272.76
		For Bronze Or Satin Anodized Finish, Add	*44.40*	
		For Black Anodized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-31.40*	
		For >20 To 40, Deduct	*-58.36*	
		For >40, Deduct	*-121.15*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,058.87	293.73
		For Bronze Or Satin Anodized Finish, Add	*47.14*	
		For Black Anodized Finish, Add	*94.28*	
		For >10 To 20, Deduct	*-33.54*	
		For >20 To 40, Deduct	*-62.37*	
		For >40, Deduct	*-129.46*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	972.98	251.77
		For Bronze Or Satin Anodized Finish, Add	*46.94*	
		For Black Anodized Finish, Add	*93.89*	
		For >10 To 20, Deduct	*-31.37*	
		For >20 To 40, Deduct	*-58.04*	
		For >40, Deduct	*-120.77*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,052.11	272.76
		For Bronze Or Satin Anodized Finish, Add	*50.66*	
		For Black Anodized Finish, Add	*101.32*	
		For >10 To 20, Deduct	*-33.90*	
		For >20 To 40, Deduct	*-62.74*	
		For >40, Deduct	*-130.54*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,126.35	293.73
		For Bronze Or Satin Anodized Finish, Add	*53.89*	
		For Black Anodized Finish, Add	*107.78*	
		For >10 To 20, Deduct	*-36.24*	
		For >20 To 40, Deduct	*-67.10*	
		For >40, Deduct	*-139.58*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,132.31	272.76
		For Bronze Or Satin Anodized Finish, Add	*58.68*	
		For Black Anodized Finish, Add	*117.36*	
		For >10 To 20, Deduct	*-37.11*	
		For >20 To 40, Deduct	*-68.35*	
		For >40, Deduct	*-142.57*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,441.08	335.69
		For Bronze Or Satin Anodized Finish, Add	*76.97*	
		For Black Anodized Finish, Add	*153.94*	
		For >10 To 20, Deduct	*-47.57*	
		For >20 To 40, Deduct	*-87.45*	
		For >40, Deduct	*-182.59*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,551.60	335.69
		For Bronze Or Satin Anodized Finish, Add	*88.02*	
		For Black Anodized Finish, Add	*176.04*	
		For >10 To 20, Deduct	*-51.99*	
		For >20 To 40, Deduct	*-95.18*	
		For >40, Deduct	*-199.17*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,730.39	377.66
		For Bronze Or Satin Anodized Finish, Add	*97.51*	
		For Black Anodized Finish, Add	*195.02*	
		For >10 To 20, Deduct	*-57.89*	
		For >20 To 40, Deduct	*-106.02*	
		For >40, Deduct	*-221.79*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,850.68	377.66
		For Bronze Or Satin Anodized Finish, Add	*109.54*	
		For Black Anodized Finish, Add	*219.07*	
		For >10 To 20, Deduct	*-62.70*	
		For >20 To 40, Deduct	*-114.44*	
		For >40, Deduct	*-239.84*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	907.46	251.77
		For Bronze Or Satin Anodized Finish, Add	*40.39*	
		For Black Anodized Finish, Add	*80.78*	
		For >10 To 20, Deduct	*-28.75*	
		For >20 To 40, Deduct	*-53.45*	
		For >40, Deduct	*-110.94*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,011.93	293.73
		For Bronze Or Satin Anodized Finish, Add	*42.45*	
		For Black Anodized Finish, Add	*84.89*	
		For >10 To 20, Deduct	*-31.67*	
		For >20 To 40, Deduct	*-59.09*	
		For >40, Deduct	*-122.42*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,124.21	335.69
		For Bronze Or Satin Anodized Finish, Add	*45.28*	
		For Black Anodized Finish, Add	*90.56*	
		For >10 To 20, Deduct	*-34.90*	
		For >20 To 40, Deduct	*-65.27*	
		For >40, Deduct	*-135.06*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,235.51	377.66
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-38.09*	
		For >20 To 40, Deduct	*-71.38*	
		For >40, Deduct	*-147.56*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,295.08	398.63
		For Bronze Or Satin Anodized Finish, Add	*49.78*	
		For Black Anodized Finish, Add	*99.56*	
		For >10 To 20, Deduct	*-39.84*	
		For >20 To 40, Deduct	*-74.71*	
		For >40, Deduct	*-154.40*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,354.64	419.61
		For Bronze Or Satin Anodized Finish, Add	*51.54*	
		For Black Anodized Finish, Add	*103.08*	
		For >10 To 20, Deduct	*-41.60*	
		For >20 To 40, Deduct	*-78.04*	
		For >40, Deduct	*-161.23*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,471.82	461.58
		For Bronze Or Satin Anodized Finish, Add	*54.87*	
		For Black Anodized Finish, Add	*109.73*	
		For >10 To 20, Deduct	*-45.03*	
		For >20 To 40, Deduct	*-84.56*	
		For >40, Deduct	*-174.62*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,597.80	503.54
		For Bronze Or Satin Anodized Finish, Add	*59.07*	
		For Black Anodized Finish, Add	*118.14*	
		For >10 To 20, Deduct	*-48.81*	
		For >20 To 40, Deduct	*-91.70*	
		For >40, Deduct	*-189.32*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,422.12	419.61
		For Bronze Or Satin Anodized Finish, Add	*58.29*	
		For Black Anodized Finish, Add	*116.58*	
		For >10 To 20, Deduct	*-44.30*	
		For >20 To 40, Deduct	*-82.76*	
		For >40, Deduct	*-171.36*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,541.26	461.58
		For Bronze Or Satin Anodized Finish, Add	*61.81*	
		For Black Anodized Finish, Add	*123.62*	
		For >10 To 20, Deduct	*-47.80*	
		For >20 To 40, Deduct	*-89.43*	
		For >40, Deduct	*-185.03*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,673.10	503.54
		For Bronze Or Satin Anodized Finish, Add	*66.60*	
		For Black Anodized Finish, Add	*133.20*	
		For >10 To 20, Deduct	*-51.82*	
		For >20 To 40, Deduct	*-96.98*	
		For >40, Deduct	*-200.61*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,588.48	398.63
		For Bronze Or Satin Anodized Finish, Add	*79.12*	
		For Black Anodized Finish, Add	*158.24*	
		For >10 To 20, Deduct	*-51.58*	
		For >20 To 40, Deduct	*-95.25*	
		For >40, Deduct	*-198.41*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,953.79	503.54
		For Bronze Or Satin Anodized Finish, Add	*94.67*	
		For Black Anodized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-63.05*	
		For >20 To 40, Deduct	*-116.62*	
		For >40, Deduct	*-242.71*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,411.73	671.39
		For Bronze Or Satin Anodized Finish, Add	*106.90*	
		For Black Anodized Finish, Add	*213.79*	
		For >10 To 20, Deduct	*-76.33*	
		For >20 To 40, Deduct	*-141.97*	
		For >40, Deduct	*-294.62*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,733.74	503.54
		For Bronze Or Satin Anodized Finish, Add	*72.67*	
		For Black Anodized Finish, Add	*145.33*	
		For >10 To 20, Deduct	*-54.24*	
		For >20 To 40, Deduct	*-101.22*	
		For >40, Deduct	*-209.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,072.13	503.54
		For Bronze Or Satin Anodized Finish, Add	*106.51*	
		For Black Anodized Finish, Add	*213.01*	
		For >10 To 20, Deduct	*-67.78*	
		For >20 To 40, Deduct	*-124.91*	
		For >40, Deduct	*-260.47*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,519.32	671.39
		For Bronze Or Satin Anodized Finish, Add	*117.66*	
		For Black Anodized Finish, Add	*235.31*	
		For >10 To 20, Deduct	*-80.63*	
		For >20 To 40, Deduct	*-149.50*	
		For >40, Deduct	*-310.76*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,257.95	503.54
		For Bronze Or Satin Anodized Finish, Add	*125.09*	
		For Black Anodized Finish, Add	*250.17*	
		For >10 To 20, Deduct	*-75.21*	
		For >20 To 40, Deduct	*-137.91*	
		For >40, Deduct	*-288.34*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,761.86	671.39
		For Bronze Or Satin Anodized Finish, Add	*141.91*	
		For Black Anodized Finish, Add	*283.82*	
		For >10 To 20, Deduct	*-90.33*	
		For >20 To 40, Deduct	*-166.47*	
		For >40, Deduct	*-347.14*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,182.04	755.31
		For Bronze Or Satin Anodized Finish, Add	*167.14*	
		For Black Anodized Finish, Add	*334.28*	
		For >10 To 20, Deduct	*-104.62*	
		For >20 To 40, Deduct	*-192.53*	
		For >40, Deduct	*-401.78*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	804.95	209.81
		For Bronze Or Satin Anodized Finish, Add	*38.53*	
		For Black Anodized Finish, Add	*77.07*	
		For >10 To 20, Deduct	*-25.90*	
		For >20 To 40, Deduct	*-47.95*	
		For >40, Deduct	*-99.76*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	896.79	230.79
		For Bronze Or Satin Anodized Finish, Add	*43.52*	
		For Black Anodized Finish, Add	*87.04*	
		For >10 To 20, Deduct	*-28.95*	
		For >20 To 40, Deduct	*-53.54*	
		For >40, Deduct	*-111.44*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	959.29	251.77
		For Bronze Or Satin Anodized Finish, Add	*45.58*	
		For Black Anodized Finish, Add	*91.15*	
		For >10 To 20, Deduct	*-30.82*	
		For >20 To 40, Deduct	*-57.08*	
		For >40, Deduct	*-118.72*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	983.74	251.77
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-31.80*	
		For >20 To 40, Deduct	*-58.79*	
		For >40, Deduct	*-122.38*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,014.06	251.77
		For Bronze Or Satin Anodized Finish, Add	*51.05*	
		For Black Anodized Finish, Add	*102.10*	
		For >10 To 20, Deduct	*-33.01*	
		For >20 To 40, Deduct	*-60.91*	
		For >40, Deduct	*-126.93*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,159.69	272.76
		For Bronze Or Satin Anodized Finish, Add	*61.42*	
		For Black Anodized Finish, Add	*122.84*	
		For >10 To 20, Deduct	*-38.21*	
		For >20 To 40, Deduct	*-70.27*	
		For >40, Deduct	*-146.68*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,243.71	293.73
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.25*	
		For >10 To 20, Deduct	*-40.94*	
		For >20 To 40, Deduct	*-75.31*	
		For >40, Deduct	*-157.18*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,397.26	293.73
		For Bronze Or Satin Anodized Finish, Add	*80.98*	
		For Black Anodized Finish, Add	*161.96*	
		For >10 To 20, Deduct	*-47.08*	
		For >20 To 40, Deduct	*-86.06*	
		For >40, Deduct	*-180.22*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,604.41	335.69
		For Bronze Or Satin Anodized Finish, Add	*93.30*	
		For Black Anodized Finish, Add	*186.60*	
		For >10 To 20, Deduct	*-54.11*	
		For >20 To 40, Deduct	*-98.88*	
		For >40, Deduct	*-207.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,947.69	335.69
		For Bronze Or Satin Anodized Finish, Add	*127.63*	
		For Black Anodized Finish, Add	*255.26*	
		For >10 To 20, Deduct	*-67.84*	
		For >20 To 40, Deduct	*-122.91*	
		For >40, Deduct	*-258.58*	
26 56 13 00-0506		**Factory Accessories For Aluminum Area Light Poles** *(26 56 13 00-0294)*		
26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	84.58	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	36.45	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	127.96	
26 56 13 00-0510		**Fiberglass Area Light Poles** *(26 56 13 00-0177)*		
		Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511		**Round Tapered, Fiberglass Area Light Poles** *(26 56 13 00-0510)*		
26 56 13 00-0512		**Round Tapered, Fiberglass Area Light Poles, Anchor Base** *(26 56 13 00-0511)*		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,368.42	293.73
		For >10 To 20, Deduct	*-45.92*	
		For >20 To 40, Deduct	*-84.04*	
		For >40, Deduct	*-175.89*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,498.82	335.69
		For >10 To 20, Deduct	*-49.88*	
		For >20 To 40, Deduct	*-91.49*	
		For >40, Deduct	*-191.25*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,630.55	377.66
		For >10 To 20, Deduct	*-53.89*	
		For >20 To 40, Deduct	*-99.03*	
		For >40, Deduct	*-206.82*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,760.96	419.61
		For >10 To 20, Deduct	*-57.85*	
		For >20 To 40, Deduct	*-106.48*	
		For >40, Deduct	*-222.18*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,915.28	461.58
		For >10 To 20, Deduct	*-62.76*	
		For >20 To 40, Deduct	*-115.61*	
		For >40, Deduct	*-241.13*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,048.34	503.54
		For >10 To 20, Deduct	*-66.83*	
		For >20 To 40, Deduct	*-123.24*	
		For >40, Deduct	*-256.90*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,263.99	587.47
		For >10 To 20, Deduct	*-72.94*	
		For >20 To 40, Deduct	*-134.98*	
		For >40, Deduct	*-280.85*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,478.33	671.39
		For >10 To 20, Deduct	*-78.99*	
		For >20 To 40, Deduct	*-146.63*	
		For >40, Deduct	*-304.61*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,585.91	671.39
		For >10 To 20, Deduct	*-83.29*	
		For >20 To 40, Deduct	*-154.16*	
		For >40, Deduct	*-320.75*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,764.13	713.35
		For >10 To 20, Deduct	*-89.16*	
		For >20 To 40, Deduct	*-164.96*	
		For >40, Deduct	*-343.29*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,942.35	755.31
		For >10 To 20, Deduct	*-95.03*	
		For >20 To 40, Deduct	*-175.75*	
		For >40, Deduct	*-365.82*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,490.61	293.73
		For >10 To 20, Deduct	*-50.81*	
		For >20 To 40, Deduct	*-92.59*	
		For >40, Deduct	*-194.22*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,597.10	335.69
		For >10 To 20, Deduct	*-53.81*	
		For >20 To 40, Deduct	*-98.37*	
		For >40, Deduct	*-206.00*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,704.93	377.66
		For >10 To 20, Deduct	*-56.87*	
		For >20 To 40, Deduct	*-104.24*	
		For >40, Deduct	*-217.97*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,815.41	419.61
		For >10 To 20, Deduct	*-60.03*	
		For >20 To 40, Deduct	*-110.29*	
		For >40, Deduct	*-230.35*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,932.55	461.58
		For >10 To 20, Deduct	*-63.45*	
		For >20 To 40, Deduct	*-116.82*	
		For >40, Deduct	*-243.72*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,048.34	503.54
		For >10 To 20, Deduct	*-66.83*	
		For >20 To 40, Deduct	*-123.24*	
		For >40, Deduct	*-256.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,248.06	587.47
		For >10 To 20, Deduct	*-72.30*	
		For >20 To 40, Deduct	*-133.87*	
		For >40, Deduct	*-278.46*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,478.33	671.39
		For >10 To 20, Deduct	*-78.99*	
		For >20 To 40, Deduct	*-146.63*	
		For >40, Deduct	*-304.61*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,523.49	671.39
		For >10 To 20, Deduct	*-80.80*	
		For >20 To 40, Deduct	*-149.79*	
		For >40, Deduct	*-311.39*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,653.89	713.35
		For >10 To 20, Deduct	*-84.76*	
		For >20 To 40, Deduct	*-157.24*	
		For >40, Deduct	*-326.75*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,784.31	755.31
		For >10 To 20, Deduct	*-88.71*	
		For >20 To 40, Deduct	*-164.69*	
		For >40, Deduct	*-342.12*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,669.90	293.73
		For >10 To 20, Deduct	*-57.98*	
		For >20 To 40, Deduct	*-105.14*	
		For >40, Deduct	*-221.11*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,795.00	335.69
		For >10 To 20, Deduct	*-61.73*	
		For >20 To 40, Deduct	*-112.22*	
		For >40, Deduct	*-235.68*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,920.09	377.66
		For >10 To 20, Deduct	*-65.47*	
		For >20 To 40, Deduct	*-119.30*	
		For >40, Deduct	*-250.25*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,046.51	419.61
		For >10 To 20, Deduct	*-69.27*	
		For >20 To 40, Deduct	*-126.47*	
		For >40, Deduct	*-265.02*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,178.25	461.58
		For >10 To 20, Deduct	*-73.28*	
		For >20 To 40, Deduct	*-134.01*	
		For >40, Deduct	*-280.58*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,317.95	503.54
		For >10 To 20, Deduct	*-77.61*	
		For >20 To 40, Deduct	*-142.11*	
		For >40, Deduct	*-297.34*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,553.53	587.47
		For >10 To 20, Deduct	*-84.52*	
		For >20 To 40, Deduct	*-155.25*	
		For >40, Deduct	*-324.28*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,790.44	671.39
		For >10 To 20, Deduct	*-91.48*	
		For >20 To 40, Deduct	*-168.48*	
		For >40, Deduct	*-351.43*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,859.51	671.39
		For >10 To 20, Deduct	*-94.24*	
		For >20 To 40, Deduct	*-173.31*	
		For >40, Deduct	*-361.79*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,052.33	713.35
		For >10 To 20, Deduct	*-100.69*	
		For >20 To 40, Deduct	*-185.13*	
		For >40, Deduct	*-386.52*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,214.62	755.31
		For >10 To 20, Deduct	*-105.93*	
		For >20 To 40, Deduct	*-194.81*	
		For >40, Deduct	*-406.66*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,334.94	776.29
		For >10 To 20, Deduct	*-110.11*	
		For >20 To 40, Deduct	*-202.39*	
		For >40, Deduct	*-422.61*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,455.27	797.27
		For >10 To 20, Deduct	*-114.29*	
		For >20 To 40, Deduct	*-209.98*	
		For >40, Deduct	*-438.56*	
26 56 13 00-0548		Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*		
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	865.87	209.81
		For >10 To 20, Deduct	*-28.34*	
		For >20 To 40, Deduct	*-52.22*	
		For >40, Deduct	*-108.90*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	933.07	230.79
		For >10 To 20, Deduct	*-30.40*	
		For >20 To 40, Deduct	*-56.08*	
		For >40, Deduct	*-116.88*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	998.94	251.77
		For >10 To 20, Deduct	*-32.40*	
		For >20 To 40, Deduct	*-59.86*	
		For >40, Deduct	*-124.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,021.51	251.77
		For >10 To 20, Deduct	*-33.31*	
		For >20 To 40, Deduct	*-61.43*	
		For >40, Deduct	*-128.05*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,100.66	272.76
		For >10 To 20, Deduct	*-35.84*	
		For >20 To 40, Deduct	*-66.14*	
		For >40, Deduct	*-137.82*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,169.20	293.73
		For >10 To 20, Deduct	*-37.96*	
		For >20 To 40, Deduct	*-70.09*	
		For >40, Deduct	*-146.01*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,241.69	314.71
		For >10 To 20, Deduct	*-40.23*	
		For >20 To 40, Deduct	*-74.33*	
		For >40, Deduct	*-154.78*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,320.85	335.69
		For >10 To 20, Deduct	*-42.76*	
		For >20 To 40, Deduct	*-79.03*	
		For >40, Deduct	*-164.56*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,448.35	335.69
		For >10 To 20, Deduct	*-47.86*	
		For >20 To 40, Deduct	*-87.96*	
		For >40, Deduct	*-183.68*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,617.81	356.68
		For >10 To 20, Deduct	*-54.01*	
		For >20 To 40, Deduct	*-98.98*	
		For >40, Deduct	*-207.00*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,787.27	377.66
		For >10 To 20, Deduct	*-60.16*	
		For >20 To 40, Deduct	*-110.00*	
		For >40, Deduct	*-230.33*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	988.05	209.81
		For >10 To 20, Deduct	*-33.23*	
		For >20 To 40, Deduct	*-60.77*	
		For >40, Deduct	*-127.23*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,061.90	230.79
		For >10 To 20, Deduct	*-35.55*	
		For >20 To 40, Deduct	*-65.10*	
		For >40, Deduct	*-136.21*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,135.73	251.77
		For >10 To 20, Deduct	*-37.88*	
		For >20 To 40, Deduct	*-69.43*	
		For >40, Deduct	*-145.18*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,168.94	251.77
		For >10 To 20, Deduct	*-39.20*	
		For >20 To 40, Deduct	*-71.76*	
		For >40, Deduct	*-150.16*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,242.77	272.76
		For >10 To 20, Deduct	*-41.53*	
		For >20 To 40, Deduct	*-76.08*	
		For >40, Deduct	*-159.14*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,316.62	293.73
		For >10 To 20, Deduct	*-43.85*	
		For >20 To 40, Deduct	*-80.41*	
		For >40, Deduct	*-168.12*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,390.44	314.71
		For >10 To 20, Deduct	*-46.18*	
		For >20 To 40, Deduct	*-84.74*	
		For >40, Deduct	*-177.10*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,494.84	335.69
		For >10 To 20, Deduct	*-49.72*	
		For >20 To 40, Deduct	*-91.21*	
		For >40, Deduct	*-190.66*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,618.35	335.69
		For >10 To 20, Deduct	*-54.66*	
		For >20 To 40, Deduct	*-99.86*	
		For >40, Deduct	*-209.18*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,785.16	356.68
		For >10 To 20, Deduct	*-60.71*	
		For >20 To 40, Deduct	*-110.69*	
		For >40, Deduct	*-232.11*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,950.64	377.66
		For >10 To 20, Deduct	*-66.70*	
		For >20 To 40, Deduct	*-121.44*	
		For >40, Deduct	*-254.83*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,095.63	209.81
		For >10 To 20, Deduct	*-37.53*	
		For >20 To 40, Deduct	*-68.30*	
		For >40, Deduct	*-143.36*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,161.51	230.79
		For >10 To 20, Deduct	*-39.54*	
		For >20 To 40, Deduct	*-72.07*	
		For >40, Deduct	*-151.15*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,226.05	251.77
		For >10 To 20, Deduct	*-41.49*	
		For >20 To 40, Deduct	*-75.75*	
		For >40, Deduct	*-158.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,248.63	251.77
		For >10 To 20, Deduct	*-42.39*	
		For >20 To 40, Deduct	*-77.33*	
		For >40, Deduct	*-162.12*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,313.16	272.76
		For >10 To 20, Deduct	*-44.34*	
		For >20 To 40, Deduct	*-81.01*	
		For >40, Deduct	*-169.70*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,379.04	293.73
		For >10 To 20, Deduct	*-46.35*	
		For >20 To 40, Deduct	*-84.78*	
		For >40, Deduct	*-177.48*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,490.05	314.71
		For >10 To 20, Deduct	*-50.16*	
		For >20 To 40, Deduct	*-91.72*	
		For >40, Deduct	*-192.04*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,617.03	335.69
		For >10 To 20, Deduct	*-54.61*	
		For >20 To 40, Deduct	*-99.76*	
		For >40, Deduct	*-208.99*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,694.06	335.69
		For >10 To 20, Deduct	*-57.69*	
		For >20 To 40, Deduct	*-105.16*	
		For >40, Deduct	*-220.54*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,814.38	356.68
		For >10 To 20, Deduct	*-61.87*	
		For >20 To 40, Deduct	*-112.74*	
		For >40, Deduct	*-236.49*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,934.70	377.66
		For >10 To 20, Deduct	*-66.06*	
		For >20 To 40, Deduct	*-120.32*	
		For >40, Deduct	*-252.44*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.09	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.09	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	89.35	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	118.33	

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,658.21	713.35
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,803.72	755.31
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,905.82	776.29
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,554.67	797.27
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,932.59	839.23
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,885.64	1,091.00
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,865.43	1,342.77
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,481.28	713.35
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	6,302.42	755.31
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	784.81	251.77
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,279.62	503.37
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	304.78	102.72
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	624.15	205.44

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,705.71	335.69
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,071.40	419.61
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,405.51	503.54
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,763.81	755.31
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,467.76	797.27
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,227.73	839.23
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	7,260.50	1,091.00

26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,710.81	1,888.27
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	23,653.37	2,423.72
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	28,111.67	3,274.15

26 56 13 00-0614 Treated Wood Area Light Poles *(26 56 13 00-0177)*

See CSI section 26 05 46 00-0001 for wood poles.

26 56 13 00-0615 Cast Iron Decorative Light Posts *(26 56 13 00-0177)*

26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*

Note: As manufactured by Hadco and King Luminaries or an approved equal.

26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,421.36	209.81
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,511.75	241.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,632.88	251.77
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,996.48	293.73
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,316.68	318.91
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,651.61	344.08
26 56 13 00-0623		Landscape Light Poles *(26 56 13 00-0001)*		
		Note: Excludes lighting fixtures.		
26 56 13 00-0624		Aluminum Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0625		Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*		
26 56 13 00-0626		Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	590.57	251.77
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	946.84	335.69
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	549.61	251.77
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	905.88	335.69
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	647.95	251.77
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	615.60	251.77
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	679.81	50.35
		For Galvanized Finish, Add	*57.91*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	854.53	50.35
		For Galvanized Finish, Add	*75.38*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	907.86	50.35
		For Galvanized Finish, Add	*80.72*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,237.07	50.35
		For Galvanized Finish, Add	*113.64*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,288.34	50.35
		For Galvanized Finish, Add	*118.76*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	260.13	50.35
		For Bronze Or Satin Anodized Finish, Add	*15.94*	
		For Black Anodized Finish, Add	*31.88*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	310.98	50.35
		For Bronze Or Satin Anodized Finish, Add	*21.03*	
		For Black Anodized Finish, Add	*42.05*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	324.67	50.35
		For Bronze Or Satin Anodized Finish, Add	*22.40*	
		For Black Anodized Finish, Add	*44.79*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	372.60	50.35
		For Bronze Or Satin Anodized Finish, Add	*27.19*	
		For Black Anodized Finish, Add	*54.38*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	382.38	50.35
		For Bronze Or Satin Anodized Finish, Add	*28.17*	
		For Black Anodized Finish, Add	*56.33*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	729.70	50.35
		For Galvanized Finish, Add	*62.90*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	897.06	50.35
		For Galvanized Finish, Add	*79.64*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,093.62	50.35
		For Galvanized Finish, Add	*99.29*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,291.09	50.35
		For Galvanized Finish, Add	*119.04*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	703.49	83.92
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,046.03	83.92
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,451.33	83.92
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,584.67	83.92
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	418.20	75.53
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	443.94	83.92
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	517.41	104.90
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	608.08	83.92
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	681.09	104.90
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	826.27	125.89
26 56 13 00-0675		Aluminum, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	277.35	83.92
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	333.52	83.92
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	442.22	104.90
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	574.18	125.89
26 56 13 00-0680		Area Light Arms *(26 56 13 00-0666)*		
26 56 13 00-0681		Steel Area Light Arms *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	778.57	83.92
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,208.09	92.32
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,341.78	100.71
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,589.97	109.10
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	930.29	104.90
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,316.86	113.29
26 56 13 00-0688		Aluminum Area Light Arms *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	327.26	83.92
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	404.43	104.90
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	483.56	125.89
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	325.30	83.92
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	447.71	92.32
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	400.52	104.90
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	546.41	113.29
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	485.51	125.89
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	661.71	134.28
26 56 13 00-0698		Removal And Reinstallation Of Lighting Pole *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,769.74	
26 56 13 00-0700		High Mast Lighting *(26 56 13 00-0001)*		
26 56 13 00-0701		High Mast Lighting Assemblies *(26 56 13 00-0700)*		
		Note: Includes Non Latching System, Ring Assembly With Internal Bumper, Acrylic Top Cover, Pulley Supports, Cast Arm Filter For Pipe Tenion, Transition Assembly, Standard Head Frame Assembly, Standard Hoist, Pole. As Manufactured By Metrolux		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	59,617.77	2,690.42
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	62,969.11	2,817.81
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	66,371.35	3,001.84
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	69,822.46	3,242.51
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	73,303.22	3,539.71
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	77,783.39	3,893.94
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	81,416.65	4,247.89
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	84,778.71	4,601.84
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	88,411.97	4,955.96
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	92,812.63	5,309.91
26 56 13 00-0712		High Mast Light Poles As Manufactured By Metrolux *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	22,942.96	1,615.81
26 56 13 00-0714	EA	70' High Mast Light Poles	26,256.03	1,692.35
26 56 13 00-0715	EA	80' High Mast Light Poles	29,602.98	1,802.91
26 56 13 00-0716	EA	90' High Mast Light Poles	32,981.82	1,947.49
26 56 13 00-0717	EA	100' High Mast Light Poles	36,394.54	2,126.07
26 56 13 00-0718	EA	110' High Mast Light Poles	39,841.14	2,338.68
26 56 13 00-0719	EA	120' High Mast Light Poles	42,464.09	2,551.29
26 56 13 00-0720	EA	130' High Mast Light Poles	42,049.94	4,728.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0721	EA	140' High Mast Light Poles	47,436.78	2,976.50
26 56 13 00-0722	EA	150' High Mast Light Poles	50,332.94	3,189.11
26 56 13 00-0723		High Mast Lighting Accessories *(26 56 13 00-0700)*		
		Note: As Manufactured By Metrolux See CSI section 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,071.20	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,992.70	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,266.11	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	962.99	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,812.16	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,141.53	
26 56 13 00-0731		Concrete Bases *(26 56 13 00-0001)*		
26 56 13 00-0732		Concrete Bases, Cast In Place *(26 56 13 00-0731)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Minimum Charge For Cast In Place Concrete Base For Poles	693.12	
		Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	70.42	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	102.20	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	141.18	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	188.52	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	253.99	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	321.90	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	473.39	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	656.42	
26 56 13 00-0742		Precast Concrete Light Pole Base, Square And Round *(26 56 13 00-0731)*		
26 56 13 00-0743	LF	Square 12" x 12" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	157.71	
26 56 13 00-0744	LF	Square 18" x 18" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	171.34	
26 56 13 00-0745	LF	Square 24" x 24" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	209.06	
26 56 13 00-0746	LF	Square 30" x 30" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	217.46	
26 56 13 00-0747	LF	Round 24" Precast Concrete Light Pole Base	171.71	
26 56 13 00-0748	LF	Round 30" Precast Concrete Light Pole Base	191.38	
26 56 13 00-0749	LF	Round 36" Precast Concrete Light Pole Base	227.03	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		Exterior Globe *(26 56 18)*		
26 56 18 00-0002		Incandescent, Exterior Globe *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	73.34	29.23
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	106.46	29.23
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	83.30	29.23
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	110.29	29.23
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	322.47	116.93
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	337.15	124.23
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	369.11	131.54
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	367.75	146.15
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	414.89	168.08
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		LED, Roadway Lighting *(26 56 19)*		
26 56 19 00-0002		LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0001)*		
26 56 19 00-0003		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0002)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0004	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,564.78	205.95
		For >50 To 100, Deduct	*-78.24*	
		For >100 To 250, Deduct	*-117.36*	
		For >250 To 500, Deduct	*-185.30*	
		For >500 To 1,000, Deduct	*-253.24*	
		For >1,000, Deduct	*-321.18*	
26 56 19 00-0005	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,390.14	211.51
		For >50 To 100, Deduct	*-119.51*	
		For >100 To 250, Deduct	*-179.26*	
		For >250 To 500, Deduct	*-288.19*	
		For >500 To 1,000, Deduct	*-397.12*	
		For >1,000, Deduct	*-506.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0006		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)** *(26 56 19 00-0002)* Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0007	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,275.01	205.95
		For >50 To 100, Deduct	*-63.75*	
		For >100 To 250, Deduct	*-95.63*	
		For >250 To 500, Deduct	*-149.08*	
		For >500 To 1,000, Deduct	*-202.53*	
		For >1,000, Deduct	*-255.99*	
26 56 19 00-0008	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,361.32	205.95
		For >50 To 100, Deduct	*-68.07*	
		For >100 To 250, Deduct	*-102.10*	
		For >250 To 500, Deduct	*-159.87*	
		For >500 To 1,000, Deduct	*-217.64*	
		For >1,000, Deduct	*-275.41*	
26 56 19 00-0009	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,447.63	205.95
		For >50 To 100, Deduct	*-72.38*	
		For >100 To 250, Deduct	*-108.57*	
		For >250 To 500, Deduct	*-170.66*	
		For >500 To 1,000, Deduct	*-232.74*	
		For >1,000, Deduct	*-294.83*	
26 56 19 00-0010		**LED Roadway Lighting (Lithonia)** *(26 56 19 00-0001)*		
26 56 19 00-0011		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)** *(26 56 19 00-0010)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,492.08	194.81
		For >50 To 100, Deduct	*-124.60*	
		For >100 To 250, Deduct	*-186.91*	
		For >250 To 500, Deduct	*-301.77*	
		For >500 To 1,000, Deduct	*-416.63*	
		For >1,000, Deduct	*-531.50*	
26 56 19 00-0013	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	4,089.24	200.38
		For >50 To 100, Deduct	*-204.46*	
		For >100 To 250, Deduct	*-306.69*	
		For >250 To 500, Deduct	*-501.14*	
		For >500 To 1,000, Deduct	*-695.58*	
		For >1,000, Deduct	*-890.02*	
26 56 19 00-0014		**LED Roadway Lighting (CREE® BetaLED®)** *(26 56 19 00-0001)*		
26 56 19 00-0015		**Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)** *(26 56 19 00-0014)* Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0016	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,013.06	189.25
		For >50 To 100, Deduct	*-50.65*	
		For >100 To 250, Deduct	*-75.98*	
		For >250 To 500, Deduct	*-117.17*	
		For >500 To 1,000, Deduct	*-158.36*	
		For >1,000, Deduct	*-199.55*	
26 56 19 00-0017	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,131.81	194.81
		For >50 To 100, Deduct	*-56.59*	
		For >100 To 250, Deduct	*-84.89*	
		For >250 To 500, Deduct	*-131.74*	
		For >500 To 1,000, Deduct	*-178.59*	
		For >1,000, Deduct	*-225.44*	
26 56 19 00-0018	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,274.68	200.38
		For >50 To 100, Deduct	*-63.73*	
		For >100 To 250, Deduct	*-95.60*	
		For >250 To 500, Deduct	*-149.32*	
		For >500 To 1,000, Deduct	*-203.03*	
		For >1,000, Deduct	*-256.75*	
26 56 19 00-0019	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,395.28	205.95
		For >50 To 100, Deduct	*-69.76*	
		For >100 To 250, Deduct	*-104.65*	
		For >250 To 500, Deduct	*-164.11*	
		For >500 To 1,000, Deduct	*-223.58*	
		For >1,000, Deduct	*-283.05*	
26 56 19 00-0020	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,515.89	211.51
		For >50 To 100, Deduct	*-75.79*	
		For >100 To 250, Deduct	*-113.69*	
		For >250 To 500, Deduct	*-178.91*	
		For >500 To 1,000, Deduct	*-244.13*	
		For >1,000, Deduct	*-309.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0021	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,799.77	217.08
		For >50 To 100, Deduct	*-89.99*	
		For >100 To 250, Deduct	*-134.98*	
		For >250 To 500, Deduct	*-214.12*	
		For >500 To 1,000, Deduct	*-293.25*	
		For >1,000, Deduct	*-372.39*	
26 56 19 00-0022	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,920.38	222.65
		For >50 To 100, Deduct	*-96.02*	
		For >100 To 250, Deduct	*-144.03*	
		For >250 To 500, Deduct	*-228.92*	
		For >500 To 1,000, Deduct	*-313.80*	
		For >1,000, Deduct	*-398.69*	
26 56 19 00-0023	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,039.12	228.21
		For >50 To 100, Deduct	*-101.96*	
		For >100 To 250, Deduct	*-152.93*	
		For >250 To 500, Deduct	*-243.48*	
		For >500 To 1,000, Deduct	*-334.03*	
		For >1,000, Deduct	*-424.57*	
26 56 19 00-0024	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,269.21	233.77
		For >50 To 100, Deduct	*-113.46*	
		For >100 To 250, Deduct	*-170.19*	
		For >250 To 500, Deduct	*-271.96*	
		For >500 To 1,000, Deduct	*-373.73*	
		For >1,000, Deduct	*-475.51*	
26 56 19 00-0025	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,389.80	239.34
		For >50 To 100, Deduct	*-119.49*	
		For >100 To 250, Deduct	*-179.24*	
		For >250 To 500, Deduct	*-286.76*	
		For >500 To 1,000, Deduct	*-394.28*	
		For >1,000, Deduct	*-501.80*	
26 56 19 00-0026	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,510.41	244.91
		For >50 To 100, Deduct	*-125.52*	
		For >100 To 250, Deduct	*-188.28*	
		For >250 To 500, Deduct	*-301.56*	
		For >500 To 1,000, Deduct	*-414.83*	
		For >1,000, Deduct	*-528.11*	

26 56 19 00-0027 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0014)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0028	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,951.92	200.38
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-97.60*	
		For >100 To 250, Deduct	*-146.39*	
		For >250 To 500, Deduct	*-233.97*	
		For >500 To 1,000, Deduct	*-321.55*	
		For >1,000, Deduct	*-409.13*	
26 56 19 00-0029	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,246.94	211.51
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-112.35*	
		For >100 To 250, Deduct	*-168.52*	
		For >250 To 500, Deduct	*-270.29*	
		For >500 To 1,000, Deduct	*-372.06*	
		For >1,000, Deduct	*-473.83*	
26 56 19 00-0030	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,541.95	222.65
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-127.10*	
		For >100 To 250, Deduct	*-190.65*	
		For >250 To 500, Deduct	*-306.61*	
		For >500 To 1,000, Deduct	*-422.58*	
		For >1,000, Deduct	*-538.54*	
26 56 19 00-0031	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,836.98	233.77
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-141.85*	
		For >100 To 250, Deduct	*-212.77*	
		For >250 To 500, Deduct	*-342.93*	
		For >500 To 1,000, Deduct	*-473.09*	
		For >1,000, Deduct	*-603.25*	
26 56 19 00-0032	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,710.89	244.91
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-185.54*	
		For >100 To 250, Deduct	*-278.32*	
		For >250 To 500, Deduct	*-451.62*	
		For >500 To 1,000, Deduct	*-624.91*	
		For >1,000, Deduct	*-798.21*	
26 56 19 00-0033	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,005.90	256.04
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-200.30*	
		For >100 To 250, Deduct	*-300.44*	
		For >250 To 500, Deduct	*-487.94*	
		For >500 To 1,000, Deduct	*-675.43*	
		For >1,000, Deduct	*-862.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0034	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,300.92	267.17
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-215.05*	
		For >100 To 250, Deduct	*-322.57*	
		For >250 To 500, Deduct	*-524.26*	
		For >500 To 1,000, Deduct	*-725.94*	
		For >1,000, Deduct	*-927.63*	

26 56 19 00-0035 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0014)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0036	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	858.02	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*40.73*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*61.40*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-42.90*	
		For >100 To 250, Deduct	*-64.35*	
		For >250 To 500, Deduct	*-97.23*	
		For >500 To 1,000, Deduct	*-130.12*	
		For >1,000, Deduct	*-163.00*	
26 56 19 00-0037	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	858.02	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*40.73*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*61.40*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-42.90*	
		For >100 To 250, Deduct	*-64.35*	
		For >250 To 500, Deduct	*-97.23*	
		For >500 To 1,000, Deduct	*-130.12*	
		For >1,000, Deduct	*-163.00*	
26 56 19 00-0038	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	940.73	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*40.73*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*61.40*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-47.04*	
		For >100 To 250, Deduct	*-70.55*	
		For >250 To 500, Deduct	*-107.57*	
		For >500 To 1,000, Deduct	*-144.59*	
		For >1,000, Deduct	*-181.61*	
26 56 19 00-0039	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	940.73	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*40.73*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*61.40*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-47.04*	
		For >100 To 250, Deduct	*-70.55*	
		For >250 To 500, Deduct	*-107.57*	
		For >500 To 1,000, Deduct	*-144.59*	
		For >1,000, Deduct	*-181.61*	
26 56 19 00-0040	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,087.78	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*56.80*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*98.17*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-54.39*	
		For >100 To 250, Deduct	*-81.58*	
		For >250 To 500, Deduct	*-125.95*	
		For >500 To 1,000, Deduct	*-170.32*	
		For >1,000, Deduct	*-214.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0041	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,087.78	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*56.80*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*98.17*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-54.39*	
		For >100 To 250, Deduct	*-81.58*	
		For >250 To 500, Deduct	*-125.95*	
		For >500 To 1,000, Deduct	*-170.32*	
		For >1,000, Deduct	*-214.69*	
26 56 19 00-0042	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,225.66	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*56.80*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*98.17*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-61.28*	
		For >100 To 250, Deduct	*-91.92*	
		For >250 To 500, Deduct	*-143.19*	
		For >500 To 1,000, Deduct	*-194.45*	
		For >1,000, Deduct	*-245.72*	
26 56 19 00-0043	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,225.66	200.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*56.80*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*98.17*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-61.28*	
		For >100 To 250, Deduct	*-91.92*	
		For >250 To 500, Deduct	*-143.19*	
		For >500 To 1,000, Deduct	*-194.45*	
		For >1,000, Deduct	*-245.72*	
26 56 19 00-0044	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	710.96	200.38
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-35.55*	
		For >100 To 250, Deduct	*-53.32*	
		For >250 To 500, Deduct	*-78.85*	
		For >500 To 1,000, Deduct	*-104.38*	
		For >1,000, Deduct	*-129.91*	
26 56 19 00-0045	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	710.96	200.38
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-35.55*	
		For >100 To 250, Deduct	*-53.32*	
		For >250 To 500, Deduct	*-78.85*	
		For >500 To 1,000, Deduct	*-104.38*	
		For >1,000, Deduct	*-129.91*	
26 56 19 00-0046	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	745.43	200.38
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-37.27*	
		For >100 To 250, Deduct	*-55.91*	
		For >250 To 500, Deduct	*-83.16*	
		For >500 To 1,000, Deduct	*-110.41*	
		For >1,000, Deduct	*-137.66*	
26 56 19 00-0047	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	745.43	200.38
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-37.27*	
		For >100 To 250, Deduct	*-55.91*	
		For >250 To 500, Deduct	*-83.16*	
		For >500 To 1,000, Deduct	*-110.41*	
		For >1,000, Deduct	*-137.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 19 00-0048	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	756.91	200.38
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
			For Field Adjustable Output, Add	*32.83*	
			For Field Adjustable Output And Utility Label, Add	*43.77*	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
			For 0 To 10 Volt Dimming, Add	*65.65*	
			For >50 To 100, Deduct	*-37.85*	
			For >100 To 250, Deduct	*-56.77*	
			For >250 To 500, Deduct	*-84.59*	
			For >500 To 1,000, Deduct	*-112.42*	
			For >1,000, Deduct	*-140.25*	
	26 56 19 00-0049	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	756.91	200.38
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
			For Field Adjustable Output, Add	*32.83*	
			For Field Adjustable Output And Utility Label, Add	*43.77*	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
			For 0 To 10 Volt Dimming, Add	*65.65*	
			For >50 To 100, Deduct	*-37.85*	
			For >100 To 250, Deduct	*-56.77*	
			For >250 To 500, Deduct	*-84.59*	
			For >500 To 1,000, Deduct	*-112.42*	
			For >1,000, Deduct	*-140.25*	

26 56 19 00-0050 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0014)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

	26 56 19 00-0051	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	733.94	200.38
			For Field Adjustable Output, Add	*32.83*	
			For Backlight Control Shield, Add	*74.75*	
			For Bird Spikes, Add	*98.82*	
			For >50 To 100, Deduct	*-36.70*	
			For >100 To 250, Deduct	*-55.05*	
			For >250 To 500, Deduct	*-81.72*	
			For >500 To 1,000, Deduct	*-108.40*	
			For >1,000, Deduct	*-135.08*	
	26 56 19 00-0052	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	733.94	200.38
			For Field Adjustable Output, Add	*32.83*	
			For Backlight Control Shield, Add	*74.75*	
			For Bird Spikes, Add	*98.82*	
			For >50 To 100, Deduct	*-36.70*	
			For >100 To 250, Deduct	*-55.05*	
			For >250 To 500, Deduct	*-81.72*	
			For >500 To 1,000, Deduct	*-108.40*	
			For >1,000, Deduct	*-135.08*	
	26 56 19 00-0053	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	756.91	200.38
			For Field Adjustable Output, Add	*32.83*	
			For Backlight Control Shield, Add	*74.75*	
			For Bird Spikes, Add	*98.82*	
			For >50 To 100, Deduct	*-37.85*	
			For >100 To 250, Deduct	*-56.77*	
			For >250 To 500, Deduct	*-84.59*	
			For >500 To 1,000, Deduct	*-112.42*	
			For >1,000, Deduct	*-140.25*	
	26 56 19 00-0054	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	756.91	200.38
			For Field Adjustable Output, Add	*32.83*	
			For Backlight Control Shield, Add	*74.75*	
			For Bird Spikes, Add	*98.82*	
			For >50 To 100, Deduct	*-37.85*	
			For >100 To 250, Deduct	*-56.77*	
			For >250 To 500, Deduct	*-84.59*	
			For >500 To 1,000, Deduct	*-112.42*	
			For >1,000, Deduct	*-140.25*	

26 56 19 00-0055 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0001)*

26 56 19 00-0056 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0055)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0057	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,123.75	200.38
			For >50 To 100, Deduct	*-56.19*	
			For >100 To 250, Deduct	*-84.28*	
			For >250 To 500, Deduct	*-130.45*	
			For >500 To 1,000, Deduct	*-176.62*	
			For >1,000, Deduct	*-222.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0058	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,510.59	222.65
		For >50 To 100, Deduct	*-75.53*	
		For >100 To 250, Deduct	*-113.29*	
		For >250 To 500, Deduct	*-177.69*	
		For >500 To 1,000, Deduct	*-242.09*	
		For >1,000, Deduct	*-306.49*	
26 56 19 00-0059	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,624.74	256.04
		For >50 To 100, Deduct	*-81.24*	
		For >100 To 250, Deduct	*-121.86*	
		For >250 To 500, Deduct	*-190.29*	
		For >500 To 1,000, Deduct	*-258.73*	
		For >1,000, Deduct	*-327.16*	
26 56 19 00-0060	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,391.15	278.31
		For >50 To 100, Deduct	*-119.56*	
		For >100 To 250, Deduct	*-179.34*	
		For >250 To 500, Deduct	*-284.98*	
		For >500 To 1,000, Deduct	*-390.62*	
		For >1,000, Deduct	*-496.26*	
26 56 19 00-0061	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	3,123.78	316.84
		For >50 To 100, Deduct	*-156.19*	
		For >100 To 250, Deduct	*-234.28*	
		For >250 To 500, Deduct	*-374.63*	
		For >500 To 1,000, Deduct	*-514.98*	
		For >1,000, Deduct	*-655.32*	

26 56 19 00-0062 LED Roadway Lighting (PlanLED) *(26 56 19 00-0001)*

26 56 19 00-0063 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0062)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0064	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,338.76	194.81
		For >50 To 100, Deduct	*-66.94*	
		For >100 To 250, Deduct	*-100.41*	
		For >250 To 500, Deduct	*-157.60*	
		For >500 To 1,000, Deduct	*-214.80*	
		For >1,000, Deduct	*-272.00*	
26 56 19 00-0065	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,452.39	196.96
		For >50 To 100, Deduct	*-72.62*	
		For >100 To 250, Deduct	*-108.93*	
		For >250 To 500, Deduct	*-171.70*	
		For >500 To 1,000, Deduct	*-234.47*	
		For >1,000, Deduct	*-297.24*	
26 56 19 00-0066	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,542.34	200.38
		For >50 To 100, Deduct	*-77.12*	
		For >100 To 250, Deduct	*-115.68*	
		For >250 To 500, Deduct	*-182.77*	
		For >500 To 1,000, Deduct	*-249.87*	
		For >1,000, Deduct	*-316.97*	

26 56 19 00-0067 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0062)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0068	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	898.50	190.10
		For >50 To 100, Deduct	*-44.93*	
		For >100 To 250, Deduct	*-67.39*	
		For >250 To 500, Deduct	*-102.81*	
		For >500 To 1,000, Deduct	*-138.23*	
		For >1,000, Deduct	*-173.65*	
26 56 19 00-0069	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	960.04	193.53
		For >50 To 100, Deduct	*-48.00*	
		For >100 To 250, Deduct	*-72.00*	
		For >250 To 500, Deduct	*-110.33*	
		For >500 To 1,000, Deduct	*-148.65*	
		For >1,000, Deduct	*-186.98*	
26 56 19 00-0070	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	1,056.55	196.96
		For >50 To 100, Deduct	*-52.83*	
		For >100 To 250, Deduct	*-79.24*	
		For >250 To 500, Deduct	*-122.22*	
		For >500 To 1,000, Deduct	*-165.20*	
		For >1,000, Deduct	*-208.18*	

26 56 19 00-0071 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0062)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0072	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,119.97	196.96
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*94.53*	
		For >50 To 100, Deduct	*-56.00*	
		For >100 To 250, Deduct	*-84.00*	
		For >250 To 500, Deduct	*-130.15*	
		For >500 To 1,000, Deduct	*-176.30*	
		For >1,000, Deduct	*-222.45*	
26 56 19 00-0073	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,237.12	198.67
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*28.56*	
		For >50 To 100, Deduct	*-61.86*	
		For >100 To 250, Deduct	*-92.78*	
		For >250 To 500, Deduct	*-144.71*	
		For >500 To 1,000, Deduct	*-196.63*	
		For >1,000, Deduct	*-248.55*	
26 56 19 00-0074	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,328.02	200.38
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*118.07*	
		For >50 To 100, Deduct	*-66.40*	
		For >100 To 250, Deduct	*-99.60*	
		For >250 To 500, Deduct	*-155.98*	
		For >500 To 1,000, Deduct	*-212.37*	
		For >1,000, Deduct	*-268.75*	

26 56 19 00-0075 LED Roadway Lighting (General Electric) *(26 56 19 00-0001)*

26 56 19 00-0076 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0075)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0077	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	697.91	189.25
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-34.90*	
		For >100 To 250, Deduct	*-52.34*	
		For >250 To 500, Deduct	*-77.78*	
		For >500 To 1,000, Deduct	*-103.21*	
		For >1,000, Deduct	*-128.64*	
26 56 19 00-0078	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	703.05	191.82
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-35.15*	
		For >100 To 250, Deduct	*-52.73*	
		For >250 To 500, Deduct	*-78.29*	
		For >500 To 1,000, Deduct	*-103.85*	
		For >1,000, Deduct	*-129.41*	
26 56 19 00-0079	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	731.14	194.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-36.56*	
		For >100 To 250, Deduct	*-54.84*	
		For >250 To 500, Deduct	*-81.65*	
		For >500 To 1,000, Deduct	*-108.47*	
		For >1,000, Deduct	*-135.28*	
26 56 19 00-0080	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	759.53	196.96
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-37.98*	
		For >100 To 250, Deduct	*-56.96*	
		For >250 To 500, Deduct	*-85.09*	
		For >500 To 1,000, Deduct	*-113.22*	
		For >1,000, Deduct	*-141.35*	
26 56 19 00-0081	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	834.38	201.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-41.72*	
		For >100 To 250, Deduct	*-62.58*	
		For >250 To 500, Deduct	*-94.24*	
		For >500 To 1,000, Deduct	*-125.89*	
		For >1,000, Deduct	*-157.55*	
26 56 19 00-0082	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	873.97	202.95
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-43.70*	
		For >100 To 250, Deduct	*-65.55*	
		For >250 To 500, Deduct	*-99.10*	
		For >500 To 1,000, Deduct	*-132.65*	
		For >1,000, Deduct	*-166.20*	
26 56 19 00-0083	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	948.27	205.95
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-47.41*	
		For >100 To 250, Deduct	*-71.12*	
		For >250 To 500, Deduct	*-108.24*	
		For >500 To 1,000, Deduct	*-145.35*	
		For >1,000, Deduct	*-182.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0084	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,106.06	211.51
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-55.30*	
		For >100 To 250, Deduct	*-82.95*	
		For >250 To 500, Deduct	*-127.68*	
		For >500 To 1,000, Deduct	*-172.41*	
		For >1,000, Deduct	*-217.14*	
26 56 19 00-0085	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,289.03	222.65
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-64.45*	
		For >100 To 250, Deduct	*-96.68*	
		For >250 To 500, Deduct	*-150.00*	
		For >500 To 1,000, Deduct	*-203.32*	
		For >1,000, Deduct	*-256.64*	

26 56 19 00-0086 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0001)*

26 56 19 00-0087 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0086)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0088	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,299.45	194.81
		For >50 To 100, Deduct	*-64.97*	
		For >100 To 250, Deduct	*-97.46*	
		For >250 To 500, Deduct	*-152.69*	
		For >500 To 1,000, Deduct	*-207.92*	
		For >1,000, Deduct	*-263.15*	
26 56 19 00-0089	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,602.34	200.38
		For >50 To 100, Deduct	*-80.12*	
		For >100 To 250, Deduct	*-120.18*	
		For >250 To 500, Deduct	*-190.27*	
		For >500 To 1,000, Deduct	*-260.37*	
		For >1,000, Deduct	*-330.47*	
26 56 19 00-0090	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,214.41	205.95
		For >50 To 100, Deduct	*-110.72*	
		For >100 To 250, Deduct	*-166.08*	
		For >250 To 500, Deduct	*-266.50*	
		For >500 To 1,000, Deduct	*-366.93*	
		For >1,000, Deduct	*-467.35*	
26 56 19 00-0091	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,831.46	214.08
		For >50 To 100, Deduct	*-141.57*	
		For >100 To 250, Deduct	*-212.36*	
		For >250 To 500, Deduct	*-343.23*	
		For >500 To 1,000, Deduct	*-474.10*	
		For >1,000, Deduct	*-604.97*	
26 56 19 00-0092	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,433.98	220.08
		For >50 To 100, Deduct	*-171.70*	
		For >100 To 250, Deduct	*-257.55*	
		For >250 To 500, Deduct	*-418.24*	
		For >500 To 1,000, Deduct	*-578.94*	
		For >1,000, Deduct	*-739.63*	

26 56 19 00-0093 LED Roadway Lighting (Leotek) *(26 56 19 00-0001)*

26 56 19 00-0094 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0093)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0095	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	714.47	194.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-35.72*	
		For >100 To 250, Deduct	*-53.59*	
		For >250 To 500, Deduct	*-79.57*	
		For >500 To 1,000, Deduct	*-105.55*	
		For >1,000, Deduct	*-131.53*	
26 56 19 00-0096	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	729.30	196.96
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-36.47*	
		For >100 To 250, Deduct	*-54.70*	
		For >250 To 500, Deduct	*-81.31*	
		For >500 To 1,000, Deduct	*-107.93*	
		For >1,000, Deduct	*-134.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0097	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	774.05	198.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-38.70*	
		For >100 To 250, Deduct	*-58.05*	
		For >250 To 500, Deduct	*-86.84*	
		For >500 To 1,000, Deduct	*-115.63*	
		For >1,000, Deduct	*-144.43*	
26 56 19 00-0098	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	890.71	205.95
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.54*	
		For >100 To 250, Deduct	*-66.80*	
		For >250 To 500, Deduct	*-101.04*	
		For >500 To 1,000, Deduct	*-135.28*	
		For >1,000, Deduct	*-169.52*	
26 56 19 00-0099	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	1,032.63	211.51
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-51.63*	
		For >100 To 250, Deduct	*-77.45*	
		For >250 To 500, Deduct	*-118.50*	
		For >500 To 1,000, Deduct	*-159.56*	
		For >1,000, Deduct	*-200.61*	
26 56 19 00-0100	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	1,039.47	214.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-51.97*	
		For >100 To 250, Deduct	*-77.96*	
		For >250 To 500, Deduct	*-119.19*	
		For >500 To 1,000, Deduct	*-160.41*	
		For >1,000, Deduct	*-201.64*	
26 56 19 00-0101	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,259.37	218.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-62.97*	
		For >100 To 250, Deduct	*-94.45*	
		For >250 To 500, Deduct	*-146.50*	
		For >500 To 1,000, Deduct	*-198.55*	
		For >1,000, Deduct	*-250.60*	
26 56 19 00-0102	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,318.56	222.65
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-65.93*	
		For >100 To 250, Deduct	*-98.89*	
		For >250 To 500, Deduct	*-153.69*	
		For >500 To 1,000, Deduct	*-208.48*	
		For >1,000, Deduct	*-263.28*	
26 56 19 00-0103	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,464.63	226.07
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-73.23*	
		For >100 To 250, Deduct	*-109.85*	
		For >250 To 500, Deduct	*-171.78*	
		For >500 To 1,000, Deduct	*-233.70*	
		For >1,000, Deduct	*-295.63*	
26 56 19 00-0104	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,566.40	229.50
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-78.32*	
		For >100 To 250, Deduct	*-117.48*	
		For >250 To 500, Deduct	*-184.33*	
		For >500 To 1,000, Deduct	*-251.17*	
		For >1,000, Deduct	*-318.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0105	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	817.89	196.96
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-40.89*	
		For >100 To 250, Deduct	*-61.34*	
		For >250 To 500, Deduct	*-92.39*	
		For >500 To 1,000, Deduct	*-123.44*	
		For >1,000, Deduct	*-154.48*	
26 56 19 00-0106	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	893.55	202.10
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.68*	
		For >100 To 250, Deduct	*-67.02*	
		For >250 To 500, Deduct	*-101.59*	
		For >500 To 1,000, Deduct	*-136.16*	
		For >1,000, Deduct	*-170.74*	
26 56 19 00-0107	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	960.32	205.95
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-48.02*	
		For >100 To 250, Deduct	*-72.02*	
		For >250 To 500, Deduct	*-109.74*	
		For >500 To 1,000, Deduct	*-147.46*	
		For >1,000, Deduct	*-185.18*	
26 56 19 00-0108	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	1,018.26	210.65
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-50.91*	
		For >100 To 250, Deduct	*-76.37*	
		For >250 To 500, Deduct	*-116.75*	
		For >500 To 1,000, Deduct	*-157.13*	
		For >1,000, Deduct	*-197.51*	
26 56 19 00-0109	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	1,076.52	212.37
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-53.83*	
		For >100 To 250, Deduct	*-80.74*	
		For >250 To 500, Deduct	*-123.95*	
		For >500 To 1,000, Deduct	*-167.15*	
		For >1,000, Deduct	*-210.36*	
26 56 19 00-0110	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,271.23	220.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-63.56*	
		For >100 To 250, Deduct	*-95.34*	
		For >250 To 500, Deduct	*-147.90*	
		For >500 To 1,000, Deduct	*-200.46*	
		For >1,000, Deduct	*-253.02*	
26 56 19 00-0111	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,429.56	224.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-71.48*	
		For >100 To 250, Deduct	*-107.22*	
		For >250 To 500, Deduct	*-167.48*	
		For >500 To 1,000, Deduct	*-227.74*	
		For >1,000, Deduct	*-288.00*	
26 56 19 00-0112	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,515.64	225.22
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-75.78*	
		For >100 To 250, Deduct	*-113.67*	
		For >250 To 500, Deduct	*-178.19*	
		For >500 To 1,000, Deduct	*-242.72*	
		For >1,000, Deduct	*-307.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0113	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,598.82	227.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-79.94*	
		For >100 To 250, Deduct	*-119.91*	
		For >250 To 500, Deduct	*-188.46*	
		For >500 To 1,000, Deduct	*-257.02*	
		For >1,000, Deduct	*-325.57*	
26 56 19 00-0114	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	879.16	214.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-43.96*	
		For >100 To 250, Deduct	*-65.94*	
		For >250 To 500, Deduct	*-99.15*	
		For >500 To 1,000, Deduct	*-132.36*	
		For >1,000, Deduct	*-165.57*	
26 56 19 00-0115	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	946.73	217.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-47.34*	
		For >100 To 250, Deduct	*-71.00*	
		For >250 To 500, Deduct	*-107.49*	
		For >500 To 1,000, Deduct	*-143.97*	
		For >1,000, Deduct	*-180.45*	
26 56 19 00-0116	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	686.26	196.53
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-34.31*	
		For >100 To 250, Deduct	*-51.47*	
		For >250 To 500, Deduct	*-75.96*	
		For >500 To 1,000, Deduct	*-100.44*	
		For >1,000, Deduct	*-124.93*	
26 56 19 00-0117	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	698.12	198.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-34.91*	
		For >100 To 250, Deduct	*-52.36*	
		For >250 To 500, Deduct	*-77.35*	
		For >500 To 1,000, Deduct	*-102.35*	
		For >1,000, Deduct	*-127.34*	
26 56 19 00-0118	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	754.33	202.10
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-37.72*	
		For >100 To 250, Deduct	*-56.57*	
		For >250 To 500, Deduct	*-84.19*	
		For >500 To 1,000, Deduct	*-111.80*	
		For >1,000, Deduct	*-139.41*	
26 56 19 00-0119	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,130.70	218.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-56.54*	
		For >100 To 250, Deduct	*-84.80*	
		For >250 To 500, Deduct	*-130.42*	
		For >500 To 1,000, Deduct	*-176.04*	
		For >1,000, Deduct	*-221.65*	
26 56 19 00-0120	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,456.58	225.22
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-72.83*	
		For >100 To 250, Deduct	*-109.24*	
		For >250 To 500, Deduct	*-170.81*	
		For >500 To 1,000, Deduct	*-232.38*	
		For >1,000, Deduct	*-293.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0121	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,306.42	226.07
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-65.32*	
		For >100 To 250, Deduct	*-97.98*	
		For >250 To 500, Deduct	*-152.00*	
		For >500 To 1,000, Deduct	*-206.02*	
		For >1,000, Deduct	*-260.03*	
26 56 19 00-0122	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	661.80	196.96
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-33.09*	
		For >100 To 250, Deduct	*-49.64*	
		For >250 To 500, Deduct	*-72.88*	
		For >500 To 1,000, Deduct	*-96.12*	
		For >1,000, Deduct	*-119.36*	

26 56 19 00-0123 LED, Wall Packs *(26 56 19)*

26 56 19 00-0124 Full Cutoff, LED Wall Packs *(26 56 19 00-0123)*

26 56 19 00-0125 Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0124)*

26 56 19 00-0126	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,057.86	149.86
		For >50 To 100, Deduct	*-52.89*	
		For >100 To 250, Deduct	*-79.34*	
		For >250 To 500, Deduct	*-124.74*	
		For >500 To 1,000, Deduct	*-170.14*	
		For >1,000, Deduct	*-215.54*	
26 56 19 00-0127	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,140.16	149.86
		For >50 To 100, Deduct	*-57.01*	
		For >100 To 250, Deduct	*-85.51*	
		For >250 To 500, Deduct	*-135.03*	
		For >500 To 1,000, Deduct	*-184.54*	
		For >1,000, Deduct	*-234.06*	

26 56 19 00-0128 Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0124)*

26 56 19 00-0129 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0128)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0130	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,083.87	145.58
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*55.92*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-54.19*	
		For >100 To 250, Deduct	*-81.29*	
		For >250 To 500, Deduct	*-128.21*	
		For >500 To 1,000, Deduct	*-175.12*	
		For >1,000, Deduct	*-222.03*	
26 56 19 00-0131	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,388.22	154.14
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*56.77*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-69.41*	
		For >100 To 250, Deduct	*-104.12*	
		For >250 To 500, Deduct	*-165.82*	
		For >500 To 1,000, Deduct	*-227.53*	
		For >1,000, Deduct	*-289.23*	
26 56 19 00-0132	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,553.72	162.70
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*57.63*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-77.69*	
		For >100 To 250, Deduct	*-116.53*	
		For >250 To 500, Deduct	*-186.08*	
		For >500 To 1,000, Deduct	*-255.63*	
		For >1,000, Deduct	*-325.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0133	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,996.93	171.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*58.49*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-99.85*	
		For >100 To 250, Deduct	*-149.77*	
		For >250 To 500, Deduct	*-241.05*	
		For >500 To 1,000, Deduct	*-332.34*	
		For >1,000, Deduct	*-423.62*	
26 56 19 00-0134	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,301.27	179.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*59.34*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-115.06*	
		For >100 To 250, Deduct	*-172.60*	
		For >250 To 500, Deduct	*-278.67*	
		For >500 To 1,000, Deduct	*-384.74*	
		For >1,000, Deduct	*-490.81*	
26 56 19 00-0135	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,605.63	188.39
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*60.20*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-130.28*	
		For >100 To 250, Deduct	*-195.42*	
		For >250 To 500, Deduct	*-316.28*	
		For >500 To 1,000, Deduct	*-437.15*	
		For >1,000, Deduct	*-558.01*	

26 56 19 00-0136 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0128)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0137	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	657.36	145.58
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-32.87*	
		For >100 To 250, Deduct	*-49.30*	
		For >250 To 500, Deduct	*-74.89*	
		For >500 To 1,000, Deduct	*-100.48*	
		For >1,000, Deduct	*-126.07*	
26 56 19 00-0138	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	759.92	154.14
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-38.00*	
		For >100 To 250, Deduct	*-56.99*	
		For >250 To 500, Deduct	*-87.28*	
		For >500 To 1,000, Deduct	*-117.57*	
		For >1,000, Deduct	*-147.86*	

26 56 19 00-0139 Full Cutoff, LED Wall Packs (McGraw-Edison) *(26 56 19 00-0124)*

26 56 19 00-0140	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,384.76	145.58
26 56 19 00-0141	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,712.39	154.14
26 56 19 00-0142	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,400.75	145.58
26 56 19 00-0143	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,858.51	154.14

26 56 19 00-0144 Open Face LED Wall Pack *(26 56 19 00-0123)*

Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass

26 56 19 00-0145	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	839.14	159.97
		For >50 To 100, Deduct	*-41.96*	
		For >100 To 250, Deduct	*-62.94*	
		For >250 To 500, Deduct	*-92.89*	
		For >500 To 1,000, Deduct	*-122.85*	
		For >1,000, Deduct	*-152.81*	
26 56 19 00-0146	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	857.76	159.97
		For >50 To 100, Deduct	*-42.89*	
		For >100 To 250, Deduct	*-64.33*	
		For >250 To 500, Deduct	*-95.22*	
		For >500 To 1,000, Deduct	*-126.11*	
		For >1,000, Deduct	*-157.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0147	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	897.81	159.97
		For >50 To 100, Deduct	*-44.89*	
		For >100 To 250, Deduct	*-67.34*	
		For >250 To 500, Deduct	*-100.23*	
		For >500 To 1,000, Deduct	*-133.12*	
		For >1,000, Deduct	*-166.01*	
26 56 19 00-0148	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	932.27	159.97
		For >50 To 100, Deduct	*-46.61*	
		For >100 To 250, Deduct	*-69.92*	
		For >250 To 500, Deduct	*-104.54*	
		For >500 To 1,000, Deduct	*-139.15*	
		For >1,000, Deduct	*-173.77*	
26 56 19 00-0149	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	993.46	159.97
		For >50 To 100, Deduct	*-49.67*	
		For >100 To 250, Deduct	*-74.51*	
		For >250 To 500, Deduct	*-112.18*	
		For >500 To 1,000, Deduct	*-149.86*	
		For >1,000, Deduct	*-187.53*	

26 56 19 00-0150 Wall Pack Accessories *(26 56 19 00-0123)*

26 56 19 00-0151	EA	Photocell For Wall Pack	160.45	39.99
26 56 19 00-0152	EA	Wire Guard For Mini And Small Wall Pack	177.27	39.99
26 56 19 00-0153	EA	Wire Guard For Medium And Large Wall Pack	247.61	39.99
26 56 19 00-0154	EA	Clear Polycarbonate Vandal Guard For Wall Packs	349.11	39.99
26 56 19 00-0155	EA	Full Cutoff Visor For Wall Pack	172.68	39.99

26 56 19 00-0156 LED, Area Lighting *(26 56 19)*

26 56 19 00-0157	EA	"The Edge" LED Area Lighting (Beta BLD ARE)	3,021.82	199.97
		For >50 To 100, Deduct	*-151.09*	
		For >100 To 250, Deduct	*-226.64*	
		For >250 To 500, Deduct	*-367.73*	
		For >500 To 1,000, Deduct	*-508.82*	
		For >1,000, Deduct	*-649.91*	
26 56 19 00-0158	EA	"Franklin Square" LED Area Lighting (Spring City ALMFKS-LE099EV1/XF-YS19-FAH-CT-M2 CB)	6,643.94	199.97
		For >3 To 5, Deduct	*-79.90*	
		For >5 To 10, Deduct	*-203.17*	
		For >10, Deduct	*-461.15*	
		For >50 To 100, Deduct	*-332.20*	
		For >100 To 250, Deduct	*-498.30*	
		For >250 To 500, Deduct	*-820.49*	
		For >500 To 1,000, Deduct	*-1,142.69*	
		For >1,000, Deduct	*-1,464.89*	
26 56 19 00-0159	EA	12' "Wellington" Pole (Spring City APSWLG 10 12 S4 TN2.88/3.00-323/1NW-CB)	3,087.03	199.97
		For >3 To 5, Deduct	*-281.39*	
		For >5 To 10, Deduct	*-641.52*	
		For >10, Deduct	*-856.12*	
		For >50 To 100, Deduct	*-154.35*	
		For >100 To 250, Deduct	*-231.53*	
		For >250 To 500, Deduct	*-375.88*	
		For >500 To 1,000, Deduct	*-520.23*	
		For >1,000, Deduct	*-664.59*	

26 56 19 00-0160 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0161 Pole Mount, LED Area Fixtures *(26 56 19 00-0160)*

26 56 19 00-0162 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0161)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0163	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,550.45	145.58
		For >50 To 100, Deduct	*-127.52*	
		For >100 To 250, Deduct	*-191.28*	
		For >250 To 500, Deduct	*-311.53*	
		For >500 To 1,000, Deduct	*-431.77*	
		For >1,000, Deduct	*-552.02*	
26 56 19 00-0164	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,748.32	154.14
		For >50 To 100, Deduct	*-137.42*	
		For >100 To 250, Deduct	*-206.12*	
		For >250 To 500, Deduct	*-335.83*	
		For >500 To 1,000, Deduct	*-465.54*	
		For >1,000, Deduct	*-595.25*	
26 56 19 00-0165	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,963.32	171.27
		For >50 To 100, Deduct	*-148.17*	
		For >100 To 250, Deduct	*-222.25*	
		For >250 To 500, Deduct	*-361.85*	
		For >500 To 1,000, Deduct	*-501.45*	
		For >1,000, Deduct	*-641.06*	
26 56 19 00-0166	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,980.44	179.83
		For >50 To 100, Deduct	*-149.02*	
		For >100 To 250, Deduct	*-223.53*	
		For >250 To 500, Deduct	*-363.56*	
		For >500 To 1,000, Deduct	*-503.59*	
		For >1,000, Deduct	*-643.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0167		Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0161)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0168	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,443.81	154.14
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*46.60*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-72.19*	
		For >100 To 250, Deduct	*-108.29*	
		For >250 To 500, Deduct	*-172.77*	
		For >500 To 1,000, Deduct	*-237.25*	
		For >1,000, Deduct	*-301.74*	
26 56 19 00-0169	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,733.70	162.70
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*47.46*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-86.69*	
		For >100 To 250, Deduct	*-130.03*	
		For >250 To 500, Deduct	*-208.58*	
		For >500 To 1,000, Deduct	*-287.13*	
		For >1,000, Deduct	*-365.68*	
26 56 19 00-0170	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,133.04	171.27
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*48.32*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-106.65*	
		For >100 To 250, Deduct	*-159.98*	
		For >250 To 500, Deduct	*-258.07*	
		For >500 To 1,000, Deduct	*-356.16*	
		For >1,000, Deduct	*-454.24*	
26 56 19 00-0171	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,422.92	179.83
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*49.17*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-121.15*	
		For >100 To 250, Deduct	*-181.72*	
		For >250 To 500, Deduct	*-293.87*	
		For >500 To 1,000, Deduct	*-406.03*	
		For >1,000, Deduct	*-518.18*	
26 56 19 00-0172	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,712.80	188.39
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*50.03*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-135.64*	
		For >100 To 250, Deduct	*-203.46*	
		For >250 To 500, Deduct	*-329.68*	
		For >500 To 1,000, Deduct	*-455.90*	
		For >1,000, Deduct	*-582.12*	
26 56 19 00-0173	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,089.89	196.96
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*50.89*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-154.49*	
		For >100 To 250, Deduct	*-231.74*	
		For >250 To 500, Deduct	*-376.39*	
		For >500 To 1,000, Deduct	*-521.04*	
		For >1,000, Deduct	*-665.68*	
26 56 19 00-0174	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,379.77	205.52
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*51.74*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-168.99*	
		For >100 To 250, Deduct	*-253.48*	
		For >250 To 500, Deduct	*-412.20*	
		For >500 To 1,000, Deduct	*-570.91*	
		For >1,000, Deduct	*-729.62*	
26 56 19 00-0175		Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0161)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0176	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,511.41	188.39
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*53.31*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.84*	
		For >50 To 100, Deduct	*-125.57*	
		For >100 To 250, Deduct	*-188.36*	
		For >250 To 500, Deduct	*-304.51*	
		For >500 To 1,000, Deduct	*-420.66*	
		For >1,000, Deduct	*-536.81*	
26 56 19 00-0177	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,205.50	231.20
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*78.28*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-210.28*	
		For >100 To 250, Deduct	*-315.41*	
		For >250 To 500, Deduct	*-514.13*	
		For >500 To 1,000, Deduct	*-712.84*	
		For >1,000, Deduct	*-911.56*	

26 56 19 00-0178 Wall Mount, LED Area Fixtures *(26 56 19 00-0160)*

26 56 19 00-0179 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0178)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0180	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,160.53	145.58
		For >50 To 100, Deduct	*-58.03*	
		For >100 To 250, Deduct	*-87.04*	
		For >250 To 500, Deduct	*-137.79*	
		For >500 To 1,000, Deduct	*-188.54*	
		For >1,000, Deduct	*-239.28*	
26 56 19 00-0181	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,194.79	162.70
		For >50 To 100, Deduct	*-59.74*	
		For >100 To 250, Deduct	*-89.61*	
		For >250 To 500, Deduct	*-141.21*	
		For >500 To 1,000, Deduct	*-192.82*	
		For >1,000, Deduct	*-244.42*	

26 56 19 00-0182 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0160)*

26 56 19 00-0183 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0182)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0184	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,280.53	154.14
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-64.03*	
		For >100 To 250, Deduct	*-96.04*	
		For >250 To 500, Deduct	*-152.36*	
		For >500 To 1,000, Deduct	*-208.68*	
		For >1,000, Deduct	*-265.00*	
26 56 19 00-0185	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,570.42	162.70
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-78.52*	
		For >100 To 250, Deduct	*-117.78*	
		For >250 To 500, Deduct	*-188.17*	
		For >500 To 1,000, Deduct	*-258.55*	
		For >1,000, Deduct	*-328.94*	
26 56 19 00-0186	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,860.29	171.27
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-93.01*	
		For >100 To 250, Deduct	*-139.52*	
		For >250 To 500, Deduct	*-223.97*	
		For >500 To 1,000, Deduct	*-308.42*	
		For >1,000, Deduct	*-392.88*	
26 56 19 00-0187	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,150.16	179.83
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-107.51*	
		For >100 To 250, Deduct	*-161.26*	
		For >250 To 500, Deduct	*-259.78*	
		For >500 To 1,000, Deduct	*-358.30*	
		For >1,000, Deduct	*-456.81*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0188		**Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304)** *(26 56 19 00-0182)* Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0189	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,236.00	154.14
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-61.80*	
		For >100 To 250, Deduct	*-92.70*	
		For >250 To 500, Deduct	*-146.79*	
		For >500 To 1,000, Deduct	*-200.89*	
		For >1,000, Deduct	*-254.98*	
26 56 19 00-0190	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,362.61	162.70
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-68.13*	
		For >100 To 250, Deduct	*-102.20*	
		For >250 To 500, Deduct	*-162.19*	
		For >500 To 1,000, Deduct	*-222.19*	
		For >1,000, Deduct	*-282.18*	
26 56 19 00-0191		**Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG)** *(26 56 19 00-0182)* Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0192	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,089.01	154.14
		For >50 To 100, Deduct	*-54.45*	
		For >100 To 250, Deduct	*-81.68*	
		For >250 To 500, Deduct	*-128.42*	
		For >500 To 1,000, Deduct	*-175.16*	
		For >1,000, Deduct	*-221.91*	
26 56 19 00-0193		**Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG)** *(26 56 19 00-0182)* Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0194	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,116.03	162.70
		For >50 To 100, Deduct	*-105.80*	
		For >100 To 250, Deduct	*-158.70*	
		For >250 To 500, Deduct	*-256.37*	
		For >500 To 1,000, Deduct	*-354.03*	
		For >1,000, Deduct	*-451.70*	
26 56 19 00-0195	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,150.27	179.83
		For >50 To 100, Deduct	*-107.51*	
		For >100 To 250, Deduct	*-161.27*	
		For >250 To 500, Deduct	*-259.79*	
		For >500 To 1,000, Deduct	*-358.31*	
		For >1,000, Deduct	*-456.84*	
26 56 19 00-0196		**Surface Mount, LED Canopy Fixtures** *(26 56 19 00-0160)*		
26 56 19 00-0197		**Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG)** *(26 56 19 00-0196)* Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0198	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,477.21	154.14
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-73.86*	
		For >100 To 250, Deduct	*-110.79*	
		For >250 To 500, Deduct	*-176.94*	
		For >500 To 1,000, Deduct	*-243.10*	
		For >1,000, Deduct	*-309.25*	
26 56 19 00-0199	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,767.10	162.70
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-88.36*	
		For >100 To 250, Deduct	*-132.53*	
		For >250 To 500, Deduct	*-212.75*	
		For >500 To 1,000, Deduct	*-292.97*	
		For >1,000, Deduct	*-373.19*	
26 56 19 00-0200	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,056.97	171.27
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-102.85*	
		For >100 To 250, Deduct	*-154.27*	
		For >250 To 500, Deduct	*-248.56*	
		For >500 To 1,000, Deduct	*-342.84*	
		For >1,000, Deduct	*-437.13*	
26 56 19 00-0201	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,346.84	179.83
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-117.34*	
		For >100 To 250, Deduct	*-176.01*	
		For >250 To 500, Deduct	*-284.36*	
		For >500 To 1,000, Deduct	*-392.71*	
		For >1,000, Deduct	*-501.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0202	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,636.72	188.39
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-131.84*	
		For >100 To 250, Deduct	*-197.75*	
		For >250 To 500, Deduct	*-320.17*	
		For >500 To 1,000, Deduct	*-442.59*	
		For >1,000, Deduct	*-565.00*	
26 56 19 00-0203	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,036.08	196.96
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-151.80*	
		For >100 To 250, Deduct	*-227.71*	
		For >250 To 500, Deduct	*-369.66*	
		For >500 To 1,000, Deduct	*-511.62*	
		For >1,000, Deduct	*-653.57*	
26 56 19 00-0204	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,325.96	205.52
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-166.30*	
		For >100 To 250, Deduct	*-249.45*	
		For >250 To 500, Deduct	*-405.47*	
		For >500 To 1,000, Deduct	*-561.49*	
		For >1,000, Deduct	*-717.51*	
26 56 19 00-0205	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,905.71	222.65
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-195.29*	
		For >100 To 250, Deduct	*-292.93*	
		For >250 To 500, Deduct	*-477.08*	
		For >500 To 1,000, Deduct	*-661.23*	
		For >1,000, Deduct	*-845.39*	
26 56 19 00-0206	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	4,468.35	231.20
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-223.42*	
		For >100 To 250, Deduct	*-335.13*	
		For >250 To 500, Deduct	*-546.98*	
		For >500 To 1,000, Deduct	*-758.84*	
		For >1,000, Deduct	*-970.70*	

26 56 19 00-0207 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0196)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0208	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	1,042.04	171.27
		For >50 To 100, Deduct	*-52.10*	
		For >100 To 250, Deduct	*-78.15*	
		For >250 To 500, Deduct	*-121.69*	
		For >500 To 1,000, Deduct	*-165.23*	
		For >1,000, Deduct	*-208.77*	

26 56 19 00-0209 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0160)*

26 56 19 00-0210 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0209)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0211	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,258.26	154.14
		For >50 To 100, Deduct	*-62.91*	
		For >100 To 250, Deduct	*-94.37*	
		For >250 To 500, Deduct	*-149.58*	
		For >500 To 1,000, Deduct	*-204.78*	
		For >1,000, Deduct	*-259.99*	
26 56 19 00-0212	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,384.87	162.70
		For >50 To 100, Deduct	*-69.24*	
		For >100 To 250, Deduct	*-103.87*	
		For >250 To 500, Deduct	*-164.97*	
		For >500 To 1,000, Deduct	*-226.08*	
		For >1,000, Deduct	*-287.19*	

26 56 19 00-0213 Surface Mount, LED Area Fixtures *(26 56 19 00-0160)*

26 56 19 00-0214 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0213)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0215	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	729.74	154.14
		For >50 To 100, Deduct	*-36.49*	
		For >100 To 250, Deduct	*-54.73*	
		For >250 To 500, Deduct	*-83.51*	
		For >500 To 1,000, Deduct	*-112.29*	
		For >1,000, Deduct	*-141.07*	
26 56 19 00-0216	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,554.01	154.14
		For >50 To 100, Deduct	*-77.70*	
		For >100 To 250, Deduct	*-116.55*	
		For >250 To 500, Deduct	*-186.54*	
		For >500 To 1,000, Deduct	*-256.54*	
		For >1,000, Deduct	*-326.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0217	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,306.47	171.27
		For >50 To 100, Deduct	*-65.32*	
		For >100 To 250, Deduct	*-97.99*	
		For >250 To 500, Deduct	*-154.75*	
		For >500 To 1,000, Deduct	*-211.51*	
		For >1,000, Deduct	*-268.27*	
26 56 19 00-0218	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,603.92	171.27
		For >50 To 100, Deduct	*-80.20*	
		For >100 To 250, Deduct	*-120.29*	
		For >250 To 500, Deduct	*-191.93*	
		For >500 To 1,000, Deduct	*-263.56*	
		For >1,000, Deduct	*-335.19*	

26 56 19 00-0219 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0213)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0220	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	238.14	57.59
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-11.91*	
		For >100 To 250, Deduct	*-17.86*	
		For >250 To 500, Deduct	*-27.37*	
		For >500 To 1,000, Deduct	*-36.88*	
		For >1,000, Deduct	*-46.38*	
26 56 19 00-0221	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	268.30	57.59
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-13.42*	
		For >100 To 250, Deduct	*-20.12*	
		For >250 To 500, Deduct	*-31.14*	
		For >500 To 1,000, Deduct	*-42.15*	
		For >1,000, Deduct	*-53.17*	
26 56 19 00-0222	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	325.74	57.59
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-16.29*	
		For >100 To 250, Deduct	*-24.43*	
		For >250 To 500, Deduct	*-38.32*	
		For >500 To 1,000, Deduct	*-52.21*	
		For >1,000, Deduct	*-66.09*	

26 56 19 00-0223 Surface Mount, LED Facade Fixtures *(26 56 19 00-0160)*

26 56 19 00-0224 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0223)*

26 56 19 00-0225	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	804.34	67.23
		For >50 To 100, Deduct	*-40.22*	
		For >100 To 250, Deduct	*-60.33*	
		For >250 To 500, Deduct	*-97.98*	
		For >500 To 1,000, Deduct	*-135.64*	
		For >1,000, Deduct	*-173.30*	
26 56 19 00-0226	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,296.03	61.39
		For >50 To 100, Deduct	*-64.80*	
		For >100 To 250, Deduct	*-97.20*	
		For >250 To 500, Deduct	*-159.81*	
		For >500 To 1,000, Deduct	*-222.42*	
		For >1,000, Deduct	*-285.03*	
26 56 19 00-0227	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,647.98	51.16
		For >50 To 100, Deduct	*-82.40*	
		For >100 To 250, Deduct	*-123.60*	
		For >250 To 500, Deduct	*-204.17*	
		For >500 To 1,000, Deduct	*-284.74*	
		For >1,000, Deduct	*-365.31*	
26 56 19 00-0228	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,999.89	40.93
		For >50 To 100, Deduct	*-99.99*	
		For >100 To 250, Deduct	*-149.99*	
		For >250 To 500, Deduct	*-248.52*	
		For >500 To 1,000, Deduct	*-347.06*	
		For >1,000, Deduct	*-445.59*	

26 56 19 00-0229 Post Top, LED Area Fixtures *(26 56 19 00-0160)*

26 56 19 00-0230 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0229)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0231	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,272.62	235.49
		For >50 To 100, Deduct	*-113.63*	
		For >100 To 250, Deduct	*-170.45*	
		For >250 To 500, Deduct	*-272.30*	
		For >500 To 1,000, Deduct	*-374.16*	
		For >1,000, Deduct	*-476.02*	
26 56 19 00-0232	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,502.50	235.49
		For >50 To 100, Deduct	*-125.13*	
		For >100 To 250, Deduct	*-187.69*	
		For >250 To 500, Deduct	*-301.04*	
		For >500 To 1,000, Deduct	*-414.39*	
		For >1,000, Deduct	*-527.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0233	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,684.21	235.49
		For >50 To 100, Deduct	*-134.21*	
		For >100 To 250, Deduct	*-201.32*	
		For >250 To 500, Deduct	*-323.75*	
		For >500 To 1,000, Deduct	*-446.19*	
		For >1,000, Deduct	*-568.62*	

26 56 19 00-0234 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0229)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0235	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,666.81	235.49
		For >50 To 100, Deduct	*-133.34*	
		For >100 To 250, Deduct	*-200.01*	
		For >250 To 500, Deduct	*-321.58*	
		For >500 To 1,000, Deduct	*-443.14*	
		For >1,000, Deduct	*-564.71*	
26 56 19 00-0236	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,725.87	235.49
		For >50 To 100, Deduct	*-136.29*	
		For >100 To 250, Deduct	*-204.44*	
		For >250 To 500, Deduct	*-328.96*	
		For >500 To 1,000, Deduct	*-453.48*	
		For >1,000, Deduct	*-578.00*	

26 56 19 00-0237 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0229)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0238	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,867.17	235.49
		For >50 To 100, Deduct	*-93.36*	
		For >100 To 250, Deduct	*-140.04*	
		For >250 To 500, Deduct	*-221.62*	
		For >500 To 1,000, Deduct	*-303.21*	
		For >1,000, Deduct	*-384.79*	
26 56 19 00-0239	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,955.56	235.49
		For >50 To 100, Deduct	*-97.78*	
		For >100 To 250, Deduct	*-146.67*	
		For >250 To 500, Deduct	*-232.67*	
		For >500 To 1,000, Deduct	*-318.67*	
		For >1,000, Deduct	*-404.68*	

26 56 19 00-0240 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0229)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0241	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,465.39	235.49
		For >50 To 100, Deduct	*-73.27*	
		For >100 To 250, Deduct	*-109.90*	
		For >250 To 500, Deduct	*-171.40*	
		For >500 To 1,000, Deduct	*-232.89*	
		For >1,000, Deduct	*-294.39*	
26 56 19 00-0242	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,553.78	235.49
		For >50 To 100, Deduct	*-77.69*	
		For >100 To 250, Deduct	*-116.53*	
		For >250 To 500, Deduct	*-182.45*	
		For >500 To 1,000, Deduct	*-248.36*	
		For >1,000, Deduct	*-314.28*	

26 56 19 00-0243 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0229)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 19 00-0244	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,298.69	235.49
		For >50 To 100, Deduct	*-164.93*	
		For >100 To 250, Deduct	*-247.40*	
		For >250 To 500, Deduct	*-400.56*	
		For >500 To 1,000, Deduct	*-553.72*	
		For >1,000, Deduct	*-706.88*	

26 56 19 00-0245 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0229)*

Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 56 19 00-0246	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	934.74	128.45
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-46.74*	
		For >100 To 250, Deduct	*-70.11*	
		For >250 To 500, Deduct	*-110.42*	
		For >500 To 1,000, Deduct	*-150.74*	
		For >1,000, Deduct	*-191.05*	

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	CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0247			LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0229)*			
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.			
	26 56 19 00-0248	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)		578.34	27.40
			For Backlight Control Shield, Add		*44.54*	
			For >50 To 100, Deduct		*-28.92*	
			For >100 To 250, Deduct		*-43.38*	
			For >250 To 500, Deduct		*-69.55*	
			For >500 To 1,000, Deduct		*-95.73*	
			For >1,000, Deduct		*-121.91*	
26 56 19 00-0249			Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0160)*			
	26 56 19 00-0250	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)		557.61	53.49
			For >50 To 100, Deduct		*-27.88*	
			For >100 To 250, Deduct		*-41.82*	
			For >250 To 500, Deduct		*-67.69*	
			For >500 To 1,000, Deduct		*-93.56*	
			For >1,000, Deduct		*-119.43*	
26 56 21			**HID Exterior Lighting** *(26 56)*			
26 56 21 00-0001			High Mast Fixtures *(26 56 21)*			
26 56 21 00-0002			Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*			
	26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux		2,064.36	211.21
	26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux		2,203.04	211.21
	26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux		2,191.35	241.30
	26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux		2,274.56	241.30
	26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux		2,313.39	301.61
	26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux		2,396.60	301.61
26 56 21 00-0009			High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*			
	26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux		2,131.17	211.21
	26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux		2,214.38	211.21
	26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux		2,572.16	223.28
	26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux		2,637.88	241.30
	26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux		2,801.52	301.61
26 56 21 00-0015			HID, Pole Mounted *(26 56 21)*			
26 56 21 00-0016			Metal Halide, Pole Mounted *(26 56 21 00-0015)*			
	26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture		832.76	344.41
	26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture		935.49	373.85
	26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture		1,085.26	402.15
	26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture		1,386.37	471.33
26 56 21 00-0021			High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*			
	26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture		934.17	402.15
	26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture		960.07	402.15
	26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture		1,003.77	402.15
	26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture		1,115.07	402.15
	26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture		1,288.18	402.15
	26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture		1,333.71	402.15
26 56 21 00-0028			Low Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*			
	26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed		838.90	218.77
	26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed		927.17	321.72
	26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed		1,076.47	321.72
26 56 21 00-0032			Metal Halide, Area Fixtures *(26 56 21)*			
26 56 21 00-0033			Metal Halide, Pole Mount, Area Fixtures *(26 56 21 00-0032)*			
			Note: Includes pulse start ballast.			
	26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount		1,252.36	209.81
	26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount		1,374.47	230.79
	26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount		1,519.21	251.77
	26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount		1,613.31	293.73
26 56 21 00-0038			High Pressure Sodium, Area Fixtures *(26 56 21)*			
26 56 21 00-0039			Pole Mount, High Pressure Sodium Area Fixtures *(26 56 21 00-0038)*			
	26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount		1,038.88	167.84
	26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount		1,137.14	209.81
	26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount		1,239.24	251.77
	26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount		1,313.29	293.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0044		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21)*		
26 56 21 00-0045		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0044)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0046	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	897.58	217.16
26 56 21 00-0047	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	933.95	241.30
26 56 21 00-0048	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,001.54	275.07
26 56 21 00-0049	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,030.66	292.77
26 56 21 00-0050	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,061.09	308.85
26 56 21 00-0051	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,111.43	321.72
26 56 21 00-0052	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,217.16	361.94
26 56 21 00-0053	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,469.48	402.15
26 56 21 00-0054		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0044)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0055	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	988.41	241.30
26 56 21 00-0056	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,047.72	275.07
26 56 21 00-0057	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,084.58	292.77
26 56 21 00-0058	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,131.59	308.85
26 56 21 00-0059	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,157.68	321.72
26 56 21 00-0060	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,265.78	361.94
26 56 21 00-0061	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,598.69	402.15
26 56 21 00-0062		Wall Packs *(26 56 21)*		
26 56 21 00-0063		Non-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0062)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0064	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	429.07	79.99
26 56 21 00-0065	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	456.85	79.99
26 56 21 00-0066	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	456.85	79.99
26 56 21 00-0067	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	591.55	79.99
26 56 21 00-0068		Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0062)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0069	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	808.97	79.99
26 56 21 00-0070	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	818.97	79.99
26 56 21 00-0071	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	827.61	79.99
26 56 21 00-0072	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	811.85	79.99
26 56 21 00-0073	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	747.02	79.99
26 56 21 00-0074	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	711.42	79.99
26 56 21 00-0075		Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0062)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0076	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	849.98	79.99
26 56 21 00-0077	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	859.09	79.99
26 56 21 00-0078	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	843.35	79.99
26 56 21 00-0079	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	856.03	79.99
26 56 21 00-0080	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	856.03	79.99
26 56 21 00-0081		Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0082	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	825.24	106.55
26 56 21 00-0083	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	825.24	106.55
26 56 21 00-0084	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	776.45	106.55
26 56 21 00-0085	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	795.15	106.55
26 56 21 00-0086	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	795.15	106.55
26 56 21 00-0087	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	741.06	106.55
26 56 21 00-0088		Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0089	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	854.14	106.55
26 56 21 00-0090	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	854.14	106.55
26 56 21 00-0091	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	854.14	106.55
26 56 21 00-0092	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	825.45	106.55
26 56 21 00-0093	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	825.45	106.55
26 56 21 00-0094	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	825.45	106.55
26 56 21 00-0095		Full Cutoff, Tempered Glass Lens, Small Wall Packs *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0096	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,087.65	106.55
26 56 21 00-0097		Cutoff, Borosilicate Glass Lens, Medium Wall Packs *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0098	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,039.46	131.98
26 56 21 00-0099	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,105.60	131.98
26 56 21 00-0100	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,184.45	131.98
26 56 21 00-0101	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,206.15	131.98
26 56 21 00-0102		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0062)* Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0103	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,124.53	131.98
26 56 21 00-0104	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,198.84	131.98
26 56 21 00-0105		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0062)* Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0106	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,057.08	159.97
26 56 21 00-0107	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	978.37	159.97
26 56 21 00-0108	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,038.86	159.97
26 56 21 00-0109	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,044.89	159.97
26 56 21 00-0110	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,051.20	159.97
26 56 21 00-0111		**Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0062)* Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0112	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,057.10	159.97
26 56 21 00-0113	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,083.36	159.97
26 56 21 00-0114	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,162.07	159.97
26 56 21 00-0115	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,109.60	159.97
26 56 21 00-0116	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,135.87	159.97
26 56 21 00-0117	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,188.29	159.97
26 56 21 00-0118		**Semi-Cutoff, Induction Wall Packs** *(26 56 21 00-0062)*		
26 56 21 00-0119		**Semi-Cutoff, Induction Wall Packs (Everlast®)** *(26 56 21 00-0118)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0120	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,296.62	145.58
26 56 21 00-0121	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,324.94	154.14
26 56 21 00-0122	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,353.28	162.70
26 56 21 00-0123	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,504.84	171.27
26 56 21 00-0124		**Non-Cutoff, Polycarbonate Lens, Small Wall Packs** *(26 56 21 00-0062)*		
26 56 21 00-0125	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	441.31	79.99
26 56 21 00-0126		**Induction, Roadway Lighting** *(26 56 21)*		
26 56 21 00-0127		**Induction Roadway Lighting (US Lighting Tech)** *(26 56 21 00-0126)* Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0128	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	776.11	256.89
26 56 21 00-0129	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	844.67	265.46
26 56 21 00-0130	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	878.93	282.58
26 56 21 00-0131	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	913.17	299.72
26 56 21 00-0132	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,048.61	308.27
26 56 21 00-0133	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,069.84	316.84
26 56 21 00-0134	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	732.91	256.89
26 56 21 00-0135	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	807.64	265.46
26 56 21 00-0136	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	841.90	282.58
26 56 21 00-0137	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	876.14	299.72
26 56 21 00-0138		**Induction, Area Fixtures** *(26 56 21)*		
26 56 21 00-0139		**Post Top, Induction Area Fixtures** *(26 56 21 00-0138)*		
26 56 21 00-0140		**Post Top, Induction Area Fixtures (US Lighting Tech)** *(26 56 21 00-0139)* Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0141	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	842.34	235.49
26 56 21 00-0142	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	902.00	235.49
26 56 21 00-0143	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	902.00	235.49
26 56 21 00-0144	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	902.00	235.49
26 56 21 00-0145		**Surface Mount, Induction Parking Structure Fixtures** *(26 56 21 00-0138)*		
26 56 21 00-0146		**Surface Mount, Induction Parking Structure Fixtures (Everlast®)** *(26 56 21 00-0145)*		
26 56 21 00-0147	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	765.31	214.08
26 56 21 00-0148	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	808.86	218.36
26 56 21 00-0149	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	821.53	222.65
26 56 21 00-0150	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	834.21	226.93
26 56 21 00-0151	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	846.89	231.20
26 56 21 00-0152	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	863.68	235.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0153	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	881.20	222.65
26 56 21 00-0154	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	893.87	226.93
26 56 21 00-0155	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	906.56	231.20
26 56 21 00-0156	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	940.83	235.49
26 56 21 00-0157		Pole Mount, Induction Area Fixtures *(26 56 21 00-0138)*		
26 56 21 00-0158		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0157)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0159	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,352.63	145.58
26 56 21 00-0160	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,392.16	154.14
26 56 21 00-0161	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,431.70	162.70

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	210.33	43.28
27 05 26 00-0002	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	225.25	43.28
27 05 26 00-0003	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	411.44	43.28
27 05 26 00-0004	EA	#6 AWG, Cable Runway Ground Strap	81.63	8.01
27 05 26 00-0005	EA	1/4" Screw Size, #6 AWG Compression Lug	30.61	8.01
27 05 26 00-0006	EA	3/8" Screw Size, #6 AWG Compression Lug	32.40	8.01
27 05 26 00-0007	EA	Two Mounting Hole, Ground Terminal Block	35.73	8.01
27 05 26 00-0008	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,155.62	163.80
27 05 26 00-0009	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,488.14	218.45
27 05 26 00-0010	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,344.15	327.60
27 05 26 00-0011	EA	Lucent 3B1-EW, Gas Tube Protector Unit	13.99	2.40
27 05 26 00-0012	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	103.49	43.28

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	11.64	4.01
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
		For Painted Powder Coated Finish, Add	*0.74*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	12.20	4.01
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.82*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
		For Painted Powder Coated Finish, Add	*2.58*	
		For Low Friction Xylan® Coated Finish, Add	*9.20*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	13.07	4.01
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.91*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
		For Painted Powder Coated Finish, Add	*3.17*	
		For Low Friction Xylan® Coated Finish, Add	*11.44*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	20.60	4.01
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.66*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
		For Painted Powder Coated Finish, Add	*1.69*	
		For Low Friction Xylan® Coated Finish, Add	*10.14*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	12.96	4.01
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.90*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	16.35	4.01
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.24*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	18.00	4.01
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	23.90	4.01
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.79*	
		For >500, Deduct	*-3.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	13.59	4.01
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.96*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	15.85	4.01
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.19*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	17.02	4.01
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.30*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	22.60	4.01
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.86*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	16.06	4.01
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.21*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	19.88	4.01
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.59*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	20.88	4.01
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	13.29	4.01
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.93*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	13.81	4.01
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.98*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	16.45	4.01
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.25*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	16.15	4.01
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.22*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	17.39	4.01
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.34*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	23.55	4.01
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.96*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	15.98	4.01
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	18.19	4.01
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.42*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	19.36	4.01
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-3.54*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	25.79	4.01
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-4.18*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	44.28	5.28
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-5.32*	
		For >500, Deduct	*-7.63*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*4.10*	
		For Work In Restricted Working Space, Add	*4.80*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.11	5.28
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 500, Deduct	*-5.38*	
		For >500, Deduct	*-7.71*	
		For Work In Restricted Working Space, Add	*4.80*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	49.41	5.28
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-5.71*	
		For >500, Deduct	*-8.14*	
		For Work In Restricted Working Space, Add	*4.80*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	44.14	5.28
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-5.31*	
		For >500, Deduct	*-7.61*	
		For Work In Restricted Working Space, Add	*4.80*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	46.14	5.28
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-5.46*	
		For >500, Deduct	*-7.81*	
		For Work In Restricted Working Space, Add	*4.80*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	48.11	5.28
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 250, Deduct	*-3.21*	
		For >250 To 500, Deduct	*-5.61*	
		For >500, Deduct	*-8.01*	
		For Work In Restricted Working Space, Add	*4.80*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.46	5.28
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-5.41*	
		For >500, Deduct	*-7.75*	
		For Work In Restricted Working Space, Add	*4.80*	

27 05 33 Conduits and Back Boxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	144.80	41.59
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*61.85*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	289.60	83.19
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*123.70*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	449.81	119.98
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	563.75	131.98
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	648.72	151.98
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	673.07	155.98
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	816.02	159.97
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	1,006.09	179.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,028.06	175.97
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,326.24	250.68
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,420.45	275.48
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,706.47	291.00
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,409.34	239.96
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,524.28	259.96
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,902.45	333.23
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,288.19	416.58
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,580.89	411.94
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,970.87	501.21

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	702.46	255.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	919.90	271.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	989.88	287.95
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	841.94	223.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	908.98	227.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	910.62	231.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	932.73	235.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	954.60	239.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	978.08	243.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	859.80	247.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	1,023.85	251.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	1,056.85	255.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	1,086.00	259.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	1,095.07	263.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	882.37	223.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	910.48	227.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	935.52	231.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	980.08	235.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	1,003.35	239.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	1,028.44	243.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	910.74	247.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	1,077.30	251.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	1,112.83	255.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	1,144.19	259.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	1,153.35	263.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	

27 11 16 00-0054 35" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	1,071.88	239.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	1,125.66	247.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0057		UL Listed Universal Equipment Racks *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		19" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	881.35	223.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	943.46	227.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	958.25	231.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	978.84	235.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	1,002.06	239.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	1,027.09	243.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	1,051.24	247.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	1,075.87	251.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	1,111.36	255.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	1,142.64	259.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	1,151.74	263.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	
27 11 16 00-0070		23" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	925.86	223.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	1,003.83	227.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	1,017.34	231.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	1,030.88	235.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	1,055.68	239.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	1,082.50	243.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	1,108.28	247.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	1,134.62	251.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,172.90	255.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,206.62	259.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,215.98	263.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	
27 11 16 00-0082		4-Post Equipment Racks And Server Frames *(27 11 16 00-0022)*		
27 11 16 00-0083		4-Post Equipment Racks *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,746.75	399.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,893.66	415.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	2,032.82	431.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	
27 11 16 00-0087		4-Post Server Frame *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,788.39	399.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	
27 11 16 00-0089		Cable Managers *(27 11 16 00-0021)*		
27 11 16 00-0090		Horizontal Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0091		Single-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	96.44	16.00
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	106.21	16.00
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	82.23	16.00
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	97.91	16.00
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	113.04	16.00
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	89.95	16.00
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	128.40	16.00
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	144.72	16.00
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	105.41	16.00
27 11 16 00-0101		Double-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	117.27	16.00
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	130.16	16.00
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	122.85	16.00
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	141.30	16.00
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	155.93	16.00
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	173.37	16.00
27 11 16 00-0108		Vertical Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0109		Single-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	208.33	24.00
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	287.53	24.00
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	453.66	24.00
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	511.62	24.00
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	221.85	24.00
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	308.78	24.00
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	492.30	24.00
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	550.25	24.00
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	248.89	24.00
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	337.76	24.00
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	550.25	24.00
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	608.21	24.00
27 11 16 00-0122		Double-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	295.26	24.00
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	345.48	24.00
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	550.25	24.00
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	646.84	24.00
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	318.44	24.00
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	368.67	24.00
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	588.89	24.00
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	685.48	24.00
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	349.35	24.00
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	399.57	24.00
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	646.84	24.00
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	743.43	24.00
27 11 16 00-0135		Accessories For Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	128.59	16.00
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	136.32	16.00
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	144.04	16.00
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	132.45	16.00
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	144.04	16.00
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	155.63	16.00
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	147.91	16.00
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	159.50	16.00
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	171.09	16.00
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	155.63	16.00
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	171.09	16.00
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	182.68	16.00
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	109.27	16.00
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	124.73	16.00
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	129.94	16.00
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	86.09	16.00
27 11 19		**Communications Termination Blocks and Patch Panels** *(27 11)*		
27 11 19 00-0001		Computer Network Components *(27 11 19)*		
27 11 19 00-0002		Ethernet Patch Panels *(27 11 19 00-0001)*		
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	285.45	79.99
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	392.51	79.99
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	493.81	79.99
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	588.21	79.99
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	909.09	99.98
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,064.20	119.98
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	368.56	79.99
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	399.41	79.99
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	638.86	79.99
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,160.90	119.98
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	845.58	119.98
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	893.07	119.98
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	319.77	79.99
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	56.68	
		For >5 To 10 Cables, Deduct	*-10.20*	
		For >10 Cables, Deduct	*-22.67*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	15.58	
		For >20 To 40 Pairs, Deduct	*-2.49*	
		For >40 Pairs, Deduct	*-5.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0018		Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*		
27 11 19 00-0019		Fiber Optic Cable Connector Housings *(27 11 19 00-0018)*		
27 11 19 00-0020		Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	154.23	35.99
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	218.24	35.99
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	312.94	35.99
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	466.39	59.99
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	634.99	59.99
27 11 19 00-0026		Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	491.55	59.99
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	547.95	59.99
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	587.27	59.99
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	682.28	59.99
27 11 19 00-0031		Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0019)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	593.84	59.99
		For Splice Tray Bracket, Add	*82.74*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	689.46	59.99
		For Splice Tray Bracket, Add	*90.48*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	850.61	59.99
		For Splice Tray Bracket, Add	*329.62*	
27 11 19 00-0035		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0019)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	987.97	59.99
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,262.27	59.99
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,428.56	59.99
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,852.65	59.99
27 11 19 00-0040		Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0019)*		
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	653.56	35.99
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	910.20	59.99
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	953.37	59.99
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Environmental Connector Housings *(27 11 19 00-0019)*		
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	683.39	35.99
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	909.67	59.99
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,062.41	59.99
27 11 19 00-0048		Fiber Optic Cable Connector Panels *(27 11 19 00-0018)*		
27 11 19 00-0049		SC Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	91.79	8.00
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	99.20	8.00
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	110.70	8.00
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	120.58	8.00
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	148.56	8.00
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	163.33	8.00
27 11 19 00-0056		SC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	88.52	8.00
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	90.26	8.00
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	106.36	8.00
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	108.68	8.00
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	142.04	8.00
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	145.48	8.00
27 11 19 00-0063		LC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	126.11	8.00
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	138.25	8.00
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	153.97	8.00
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	170.17	8.00
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	155.38	8.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	172.82	8.00
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	265.54	8.00
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	297.86	8.00
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	377.06	8.00
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	283.81	8.00
27 11 19 00-0074		ST Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	77.12	8.00
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	82.73	8.00
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	91.15	8.00
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	98.63	8.00
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	119.19	8.00
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	130.42	8.00
27 11 19 00-0081		MT-RJ, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	94.68	8.00
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	139.25	8.00
27 11 19 00-0084		Fiber Optic Cable Pretium Edge® Modules *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,076.42	8.00
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,080.15	8.00
27 11 19 00-0087		Fiber Optic Cable Splice Housings *(27 11 19 00-0018)*		
27 11 19 00-0088		Wall Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0087)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	436.21	79.99
27 11 19 00-0090		Rack Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0087)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	631.31	59.99
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	658.86	59.99
27 11 19 00-0093		Fiber Optic Cable Splice Trays *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	124.52	20.00
27 11 19 00-0095		Fiber Optic Cable Jumper Management Panels *(27 11 19 00-0018)* Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	243.49	59.99
27 11 19 00-0097		Miscellaneous Accessories *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	73.67	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	96.28	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	106.39	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	119.12	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	579.82	79.99
27 11 19 00-0103		Telephone Components *(27 11 19)*		
27 11 19 00-0104		Terminal Blocks With Wide Range Of 22-8 AWG *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	44.47	16.03
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	78.92	16.03
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	64.82	16.03
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	35.27	16.03
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	25.09	11.22
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	45.96	16.03
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	35.27	16.03
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	24.87	11.22
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	24.72	11.22
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	25.40	11.22
27 11 19 00-0115		Terminal Block Mounting Channel *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	23.32	8.01
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	29.29	8.01
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	39.65	8.01
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	29.41	9.61
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	39.27	9.61
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	55.31	9.61
27 11 19 00-0122		Outlet Termination Hardware *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	41.99	8.01
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box Note: Excludes box.	132.24	60.79

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	109.34	35.99
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	109.34	35.99
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	65.11	24.00
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	159.35	39.99
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	159.35	39.99
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	188.91	39.99
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	188.91	39.99
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	173.35	39.99
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,445.61	199.97
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	75.59	16.00
27 11 19 00-0135	EA	5-Pair, Connecting Block	4.67	1.60
27 11 19 00-0136	EA	4-Pair, Connecting Block	5.00	1.60
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	19.08	4.00
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	5.31	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	5.31	

27 11 19 00-0140 Terminations in Manhole or Junction Box *(27 11 19 00-0103)*

27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	255.96	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	511.93	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	1,023.85	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,535.78	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,796.53	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,694.01	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	3,388.30	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	4,236.18	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	6,354.23	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	7,706.01	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	8,782.78	

27 11 23 Communications Cable Management and Ladder Rack *(27 11)*

27 11 23 00-0001 Equipment Supports *(27 11 23)*

27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	42.11	8.00
27 11 23 00-0003	LF	Velcro CMP	3.74	1.61
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	143.69	38.40
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	247.91	63.99
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	45.62	12.00
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	20.47	8.00
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	21.58	8.00
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	48.19	14.40
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	100.40	24.00
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	9.52	3.52
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	52.78	20.00

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001 Modular Plugs For Copper Communications Cable *(27 13 13 13)*

27 13 13 13-0002	EA	Modular Plug For Non Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	38.51
		For >5 To 10, Deduct	*-4.79*
		For >10, Deduct	*-9.58*
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	43.89
		For >5 To 10, Deduct	*-5.39*
		For >10, Deduct	*-10.77*

27 13 13 13-0004 Communications Termination Blocks *(27 13 13 13)*

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs	72.07	20.00
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs	118.73	20.00
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	16.91	8.00
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block	9.41	4.00
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block	9.58	4.00
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	369.50	24.00
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	597.86	24.00

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	8.00	
		For >25-Pair, Deduct	*-3.19*	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable	12.00	
		For >25-Pair, Deduct	*-4.79*	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable	19.20	
		For >25-Pair, Deduct	*-7.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0016	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	32.00	
		For >25-Pair, Deduct	*-12.77*	
27 13 13 13-0017	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	47.99	
		For >25-Pair, Deduct	*-19.15*	
27 13 13 13-0018	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	76.79	
		For >25-Pair, Deduct	*-30.64*	
27 13 13 13-0019		Building Entrance Terminals *(27 13 13 13)*		
27 13 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,146.02	350.77
27 13 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	4,219.41	584.62
27 13 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,994.66	936.12
27 13 23		**Communications Optical Fiber Backbone Cabling** *(27 13)*		
27 13 23 13		**Communications Optical Fiber Splicing and Terminations** *(27 13 23)*		
27 13 23 13-0001		Fiber Optic Cable Splice Closures *(27 13 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0002	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,080.72	159.97
27 13 23 13-0003	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,400.68	319.95
27 13 23 13-0004	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,400.68	319.95
27 13 23 13-0005	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,769.10	159.97
27 13 23 13-0006	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	2,089.06	319.95
27 13 23 13-0007	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	2,089.06	319.95
27 13 23 13-0008	EA	Splice Tray For Fiber Optic Cable Splice Closure Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	78.34	20.00
27 13 23 13-0009		Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0010	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	47.99	
27 13 23 13-0011	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	159.97	
27 13 23 13-0012		Fiber Optic Cable Testing *(27 13 23 13)* Note: Price based on testing one wavelength. Includes all connections, terminations and other requirements to perform a test.		
27 13 23 13-0013		Fiber Optic Cable Testing Using An OTDR *(27 13 23 13-0012)* Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0014	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	32.00	
		For >12 To 48 Strands, Deduct	*-2.40*	
		For >48 Strands, Deduct	*-3.20*	
27 13 23 13-0015	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	47.99	
		For >12 To 48 Strands, Deduct	*-3.60*	
		For >48 Strands, Deduct	*-4.80*	
27 13 23 13-0016	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	79.99	
		For >12 To 48 Strands, Deduct	*-6.00*	
		For >48 Strands, Deduct	*-8.00*	
27 13 23 13-0017	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	119.98	
		For >12 To 48 Strands, Deduct	*-9.00*	
		For >48 Strands, Deduct	*-12.00*	
27 13 23 13-0018		Fiber Optic Cable Testing Using A Power Meter *(27 13 23 13-0012)*		
27 13 23 13-0019	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	32.00	
		For >12 To 48 Strands, Deduct	*-2.40*	
		For >48 Strands, Deduct	*-3.20*	
27 13 23 13-0020	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	47.99	
		For >12 To 48 Strands, Deduct	*-3.60*	
		For >48 Strands, Deduct	*-4.80*	
27 13 23 13-0021		Fiber Optic Cable Light Source/Continuity Testing *(27 13 23 13-0012)*		
27 13 23 13-0022	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	32.00	
		For >12 To 48 Strands, Deduct	*-2.40*	
		For >48 Strands, Deduct	*-3.20*	
27 13 23 13-0023		Other Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0024	EA	Fiber Optic Finger Splice	54.81	30.08
27 13 23 13-0025	EA	Fiber Optic Splice Box - Manholes	8,364.31	
27 13 23 13-0026		Fiber Optic Cable Fan Out Kits *(27 13 23 13)*		
27 13 23 13-0027		Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0026)*		
27 13 23 13-0028	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	341.61	
27 13 23 13-0029	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	345.75	
27 13 23 13-0030	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	380.69	
27 13 23 13-0031	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	406.89	
27 13 23 13-0032		Spider Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0026)* Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0033	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	392.58	
27 13 23 13-0034	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	420.34	
27 13 23 13-0035	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	616.63	
27 13 23 13-0036	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	804.37	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable *(27 15 01 19)*

27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*

27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,462.24	1,088.48
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,957.55	1,127.83
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,806.41	1,237.26
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,590.12	1,281.41
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,212.72	1,385.08
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,324.87	1,434.99
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,055.24	1,583.77
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	5,776.56	1,640.24

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,276.37	2,177.28
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,837.28	2,255.67
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,868.51	2,474.84
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,725.81	2,562.83
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,521.19	2,770.80
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,716.53	2,869.98
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,694.86	3,167.54
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	8,510.57	3,281.12

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,625.55	890.75
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,744.96	922.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,979.11	1,088.48
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,094.24	1,108.15
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,166.28	1,127.83
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,391.62	1,167.19
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,709.52	1,206.54
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,298.66	1,237.26
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,550.29	1,281.41
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,647.48	1,385.08
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,034.52	1,434.99
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,197.29	1,583.77
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,813.92	1,640.24
27 15 01 19-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,614.46	890.75
27 15 01 19-0038	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,971.90	1,088.48
27 15 01 19-0039	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,163.91	1,108.15
27 15 01 19-0040	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,185.57	1,127.83
27 15 01 19-0041	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,492.29	1,167.19
27 15 01 19-0042	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,287.76	1,237.26
27 15 01 19-0043	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,574.73	1,281.41
27 15 01 19-0044	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,598.46	1,385.08
27 15 01 19-0045	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,229.36	1,434.99
27 15 01 19-0046	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,181.27	1,583.77
27 15 01 19-0047	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,109.71	1,640.24
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,099.05	1,782.14
27 15 01 19-0050	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,786.03	2,177.28
27 15 01 19-0051	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,010.04	2,215.68
27 15 01 19-0052	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,065.30	2,255.67
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,437.60	2,334.06
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,349.86	2,474.84
27 15 01 19-0055	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,710.42	2,562.83
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,906.93	2,770.80
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,621.02	2,869.98
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,820.89	3,167.54
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,843.72	3,281.12
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,660.13	890.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,004.52	1,088.48
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,284.97	1,108.15
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,218.94	1,127.83
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,526.42	1,167.19
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,362.72	1,237.26
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,609.40	1,281.41
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,760.13	1,385.08
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,148.29	1,434.99
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,300.90	1,583.77
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,863.58	1,640.24
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,144.72	1,782.14
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,818.65	2,177.28
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,131.10	2,215.68
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,098.67	2,255.67
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,471.73	2,334.06
27 15 01 19-0079	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,424.82	2,474.84
27 15 01 19-0080	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,745.09	2,562.83
27 15 01 19-0081	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,068.60	2,770.80
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,539.95	2,869.98
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,940.52	3,167.54
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,597.59	3,281.12
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,609.51	890.75
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,011.72	1,088.48
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,142.52	1,108.15
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,253.47	1,127.83
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,495.24	1,167.19
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,312.67	1,237.26
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,638.94	1,281.41
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,680.28	1,385.08
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,253.73	1,434.99
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,187.60	1,583.77
27 15 01 19-0097		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*		
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,094.10	1,782.14
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,825.85	2,177.28
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,988.65	2,215.68
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,133.20	2,255.67
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,440.55	2,334.06
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,374.77	2,474.84
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,774.63	2,562.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,988.75	2,770.80
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,645.39	2,869.98
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,827.22	3,167.54

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0002 Indoor Telecommunications Cable *(27 15 13 00-0001)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0003 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0002)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0003)*

27 15 13 00-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0005)*

27 15 13 00-0007	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,230.64	671.90
27 15 13 00-0008	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,277.93	671.90
27 15 13 00-0009	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,294.64	671.90
27 15 13 00-0010	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,548.72	767.89
27 15 13 00-0011	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,896.83	767.89
27 15 13 00-0012	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,449.56	767.89
27 15 13 00-0013	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,814.56	959.86
27 15 13 00-0014	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,829.84	1,535.78
27 15 13 00-0015	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,126.81	1,727.75
27 15 13 00-0016	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,997.06	1,919.72
27 15 13 00-0017	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,505.94	2,687.61
27 15 13 00-0018	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,875.71	3,321.11
27 15 13 00-0019	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	36,023.51	4,607.32
27 15 13 00-0020	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	59,107.03	9,214.66
27 15 13 00-0021	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	80,804.10	13,821.98

27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0005)*

27 15 13 00-0023	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,350.49	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0024	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,397.78	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0025	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,414.49	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0026	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,508.58	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0027	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,856.69	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0028	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,729.37	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 13 00-0029	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,414.33	1,919.72
		For Work In Restricted Working Space, Add	*959.86*	
27 15 13 00-0030	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	8,109.66	2,303.67
		For Work In Restricted Working Space, Add	*1,151.84*	
27 15 13 00-0031	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,566.60	2,591.62
		For Work In Restricted Working Space, Add	*1,295.81*	
27 15 13 00-0032	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	13,596.82	2,879.58
		For Work In Restricted Working Space, Add	*1,439.79*	
27 15 13 00-0033	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,745.62	4,031.41
		For Work In Restricted Working Space, Add	*2,015.71*	
27 15 13 00-0034	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	25,659.31	4,991.27
		For Work In Restricted Working Space, Add	*2,495.64*	
27 15 13 00-0035	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	39,862.96	6,910.99
		For Work In Restricted Working Space, Add	*3,455.50*	
27 15 13 00-0036	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	66,785.91	13,821.98
		For Work In Restricted Working Space, Add	*6,910.99*	
27 15 13 00-0037	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	92,322.44	20,732.98
		For Work In Restricted Working Space, Add	*10,366.49*	

27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0038)*

27 15 13 00-0040	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,826.28	767.89
27 15 13 00-0041	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,641.94	959.86
27 15 13 00-0042	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,236.26	1,535.78
27 15 13 00-0043	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,930.38	1,919.72
27 15 13 00-0044	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	26,329.68	2,687.61
27 15 13 00-0045	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,240.49	3,321.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0046	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	50,668.72	4,607.32
27 15 13 00-0047		**22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed** *(27 15 13 00-0038)*		
27 15 13 00-0048	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,106.09	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 13 00-0049	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,241.71	1,919.72
		For Work In Restricted Working Space, Add	*959.86*	
27 15 13 00-0050	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	11,516.08	2,303.67
		For Work In Restricted Working Space, Add	*1,151.84*	
27 15 13 00-0051	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,530.14	2,879.58
		For Work In Restricted Working Space, Add	*1,439.79*	
27 15 13 00-0052	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	28,569.36	4,031.41
		For Work In Restricted Working Space, Add	*2,015.71*	
27 15 13 00-0053	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	37,024.09	4,991.27
		For Work In Restricted Working Space, Add	*2,495.64*	
27 15 13 00-0054	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	54,508.17	6,910.99
		For Work In Restricted Working Space, Add	*3,455.50*	
27 15 13 00-0055		**Category 3, Indoor Telecommunications Plenum Cable** *(27 15 13 00-0003)*		
27 15 13 00-0056		**24 AWG, Category 3, Indoor Telecommunications Plenum Cable** *(27 15 13 00-0055)*		
27 15 13 00-0057		**24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit** *(27 15 13 00-0056)*		
27 15 13 00-0058	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,268.88	671.90
27 15 13 00-0059	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,315.98	671.90
27 15 13 00-0060	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,351.20	671.90
27 15 13 00-0061	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,612.24	767.89
27 15 13 00-0062	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,991.70	767.89
27 15 13 00-0063	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,020.29	767.89
27 15 13 00-0064	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,976.52	959.86
27 15 13 00-0065	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	9,264.45	1,535.78
27 15 13 00-0066	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,812.24	1,919.72
27 15 13 00-0067	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	23,637.48	2,687.61
27 15 13 00-0068		**24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed** *(27 15 13 00-0056)*		
27 15 13 00-0069	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,388.73	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0070	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,435.83	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0071	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,471.05	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0072	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,572.10	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0073	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,951.56	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0074	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	4,300.10	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 13 00-0075	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	6,576.29	1,919.72
		For Work In Restricted Working Space, Add	*959.86*	
27 15 13 00-0076	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	10,544.27	2,303.67
		For Work In Restricted Working Space, Add	*1,151.84*	
27 15 13 00-0077	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	17,412.00	2,879.58
		For Work In Restricted Working Space, Add	*1,439.79*	
27 15 13 00-0078	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	25,877.16	4,031.41
		For Work In Restricted Working Space, Add	*2,015.71*	
27 15 13 00-0079		**Category 5E, Indoor Telecommunications Cable** *(27 15 13 00-0002)*		
27 15 13 00-0080		**Category 5E, Indoor Telecommunications Riser Cable** *(27 15 13 00-0079)*		
27 15 13 00-0081		**Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit** *(27 15 13 00-0080)*		
27 15 13 00-0082	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,306.82	671.90
27 15 13 00-0083	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,350.62	671.90
27 15 13 00-0084	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,511.45	767.89
27 15 13 00-0085	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,555.23	767.89
27 15 13 00-0086		**Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed** *(27 15 13 00-0080)*		
27 15 13 00-0087	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,426.67	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0088	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,470.47	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0089	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,791.26	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 13 00-0090	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,835.04	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0091		Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0079)*		
27 15 13 00-0092		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0091)*		
27 15 13 00-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,467.88	671.90
27 15 13 00-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,970.10	767.89
27 15 13 00-0095		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0091)*		
27 15 13 00-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,587.73	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	3,249.91	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 13 00-0098		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0099		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0098)*		
27 15 13 00-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0099)*		
27 15 13 00-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,413.31	671.90
27 15 13 00-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,446.12	671.90
27 15 13 00-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0099)*		
27 15 13 00-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,533.16	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,565.97	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0098)*		
27 15 13 00-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0106)*		
27 15 13 00-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,641.55	671.90
27 15 13 00-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0106)*		
27 15 13 00-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,761.40	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0111		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0111)*		
27 15 13 00-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0112)*		
27 15 13 00-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,465.74	671.90
27 15 13 00-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0112)*		
27 15 13 00-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	2,585.59	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0117		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0111)*		
27 15 13 00-0118		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0117)*		
27 15 13 00-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,777.15	671.90
27 15 13 00-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0117)*		
27 15 13 00-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,897.00	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 13 00-0122		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0122)*		
27 15 13 00-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,613.33	767.89
27 15 13 00-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,124.09	767.89
27 15 13 00-0126		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0122)*		
27 15 13 00-0127	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,893.14	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 13 00-0128	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	5,403.90	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0129		Outdoor Telecommunications Cable *(27 15 13 00-0001)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0132		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0131)*		
27 15 13 00-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,291.80	767.89
27 15 13 00-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,719.84	1,343.81
27 15 13 00-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,801.88	863.87
27 15 13 00-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,718.47	959.86
27 15 13 00-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,104.34	1,343.81
27 15 13 00-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,174.31	1,535.78
27 15 13 00-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,328.94	1,727.75
27 15 13 00-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,467.29	2,495.64
27 15 13 00-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	33,738.66	3,263.53
27 15 13 00-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	45,817.82	4,415.35
27 15 13 00-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	72,645.81	8,830.71
27 15 13 00-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	99,446.54	13,054.09
27 15 13 00-0145		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0131)*		
27 15 13 00-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,051.83	
27 15 13 00-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,479.87	
27 15 13 00-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,481.92	
27 15 13 00-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,398.52	
27 15 13 00-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,624.40	
27 15 13 00-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,374.42	
27 15 13 00-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	17,008.99	
27 15 13 00-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,507.44	
27 15 13 00-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,738.96	
27 15 13 00-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	42,298.34	
27 15 13 00-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	63,047.21	
27 15 13 00-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	85,368.58	
27 15 13 00-0158		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0159		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0158)*		
27 15 13 00-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,563.92	767.89
27 15 13 00-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,228.23	767.89
27 15 13 00-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,842.53	863.87
27 15 13 00-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,570.70	959.86
27 15 13 00-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,998.86	1,343.81
27 15 13 00-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	14,109.35	1,535.78
27 15 13 00-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,920.18	1,727.75
27 15 13 00-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,293.92	2,495.64
27 15 13 00-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	48,333.89	3,263.53
27 15 13 00-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	71,305.68	4,415.35
27 15 13 00-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	104,834.87	8,830.71
27 15 13 00-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	147,604.34	13,054.09
27 15 13 00-0172		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0158)*		
27 15 13 00-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,323.95	
27 15 13 00-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,988.26	
27 15 13 00-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,522.57	
27 15 13 00-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,250.75	
27 15 13 00-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,518.92	
27 15 13 00-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,629.41	
27 15 13 00-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,600.23	
27 15 13 00-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	35,334.07	
27 15 13 00-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	46,334.19	
27 15 13 00-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	67,786.20	
27 15 13 00-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	95,236.27	
27 15 13 00-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	133,526.38	
27 15 13 00-0185		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0186		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0185)*		
27 15 13 00-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,050.63	863.87
27 15 13 00-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,841.50	959.86
27 15 13 00-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,153.46	1,343.81
27 15 13 00-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,529.99	1,535.78
27 15 13 00-0191		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0185)*		
27 15 13 00-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,730.67	
27 15 13 00-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,521.55	
27 15 13 00-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,673.52	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	26,050.05	
27 15 13 00-0196		PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0198		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0197)*		
27 15 13 00-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,289.92	1,343.81
27 15 13 00-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,813.58	1,343.81
27 15 13 00-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,870.04	1,343.81
27 15 13 00-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,772.52	1,343.81
27 15 13 00-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,631.03	1,343.81
27 15 13 00-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	19,105.16	1,727.75
27 15 13 00-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,890.13	2,495.64
27 15 13 00-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	36,690.87	3,263.53
27 15 13 00-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	50,128.28	4,415.35
27 15 13 00-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	78,220.29	8,830.71
27 15 13 00-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	113,904.50	13,054.09
27 15 13 00-0210		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0197)*		
27 15 13 00-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,809.98	
27 15 13 00-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,333.64	
27 15 13 00-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,390.10	
27 15 13 00-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,292.58	
27 15 13 00-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	10,151.09	
27 15 13 00-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,785.21	
27 15 13 00-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,930.28	
27 15 13 00-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,691.17	
27 15 13 00-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	46,608.80	
27 15 13 00-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	68,621.69	
27 15 13 00-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	99,826.54	
27 15 13 00-0222		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0223		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0222)*		
27 15 13 00-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,592.67	1,343.81
27 15 13 00-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,362.16	1,343.81
27 15 13 00-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,999.69	1,343.81
27 15 13 00-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,012.15	1,343.81
27 15 13 00-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,298.76	1,343.81
27 15 13 00-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,088.10	1,727.75
27 15 13 00-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	41,150.06	2,495.64
27 15 13 00-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	52,728.50	3,263.53
27 15 13 00-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	73,627.09	4,415.35
27 15 13 00-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	116,270.31	8,830.71
27 15 13 00-0234		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0222)*		
27 15 13 00-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,112.73	
27 15 13 00-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,882.22	
27 15 13 00-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,519.75	
27 15 13 00-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,532.21	
27 15 13 00-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,818.82	
27 15 13 00-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,768.15	
27 15 13 00-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	40,190.21	
27 15 13 00-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	50,728.80	
27 15 13 00-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	70,107.61	
27 15 13 00-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	106,671.71	
27 15 13 00-0245		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0246		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0245)*		
27 15 13 00-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,627.18	1,343.81
27 15 13 00-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,736.85	1,343.81
27 15 13 00-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,406.15	1,343.81
27 15 13 00-0250		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0245)*		
27 15 13 00-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,147.24	
27 15 13 00-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,256.91	
27 15 13 00-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,926.21	
27 15 13 00-0254		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes support wire.		
27 15 13 00-0255		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,169.02	2,573.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0257	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,604.73	2,573.80
27 15 13 00-0258	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,686.51	2,573.80
27 15 13 00-0259	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,689.41	2,573.80
27 15 13 00-0260	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	16,557.98	2,573.80
27 15 13 00-0261	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	24,836.50	2,831.18
27 15 13 00-0262	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	33,162.88	3,088.56
27 15 13 00-0263		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0264	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,690.30	2,573.80
27 15 13 00-0265	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,334.04	2,573.80
27 15 13 00-0266	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,884.54	2,573.80
27 15 13 00-0267	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,947.69	2,573.80
27 15 13 00-0268	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	21,825.00	2,573.80
27 15 13 00-0269	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	34,197.36	2,831.18
27 15 13 00-0270		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0271	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,379.48	2,573.80
27 15 13 00-0272	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,835.26	2,573.80
27 15 13 00-0273	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,697.56	2,573.80
27 15 13 00-0274	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,422.21	2,573.80
27 15 13 00-0275	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,060.95	2,573.80
27 15 13 00-0276		Solid Conductor Low Voltage Cable *(27 15 13)*		
27 15 13 00-0277		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*		
27 15 13 00-0278		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*		
27 15 13 00-0279	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,705.65	1,446.94
		For #10 AWG, Add	*579.34*	
		For Work In Restricted Working Space, Add	*723.53*	
27 15 13 00-0280	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,039.87	1,498.09
		For #10 AWG, Add	*678.48*	
		For Work In Restricted Working Space, Add	*749.27*	
27 15 13 00-0281	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,339.33	1,550.71
		For #10 AWG, Add	*766.09*	
		For Work In Restricted Working Space, Add	*775.13*	
27 15 13 00-0282	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,655.23	1,603.32
		For #10 AWG, Add	*858.73*	
		For Work In Restricted Working Space, Add	*801.90*	
27 15 13 00-0283	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,048.76	1,711.48
		For #10 AWG, Add	*965.16*	
		For Work In Restricted Working Space, Add	*855.99*	
27 15 13 00-0284	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,415.63	1,818.17
		For #10 AWG, Add	*1,063.12*	
		For Work In Restricted Working Space, Add	*909.32*	
27 15 13 00-0285	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,848.16	2,034.48
		For #10 AWG, Add	*1,159.17*	
		For Work In Restricted Working Space, Add	*1,017.05*	
27 15 13 00-0286	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,413.06	2,681.94
		For #10 AWG, Add	*1,535.33*	
		For Work In Restricted Working Space, Add	*1,340.72*	
27 15 13 00-0287	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,515.66	3,960.80
		For #10 AWG, Add	*2,282.21*	
		For Work In Restricted Working Space, Add	*1,979.89*	
27 15 13 00-0288		#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*		
27 15 13 00-0289	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,389.82	1,265.70
		For Work In Restricted Working Space, Add	*632.71*	
27 15 13 00-0290	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,703.19	1,311.01
		For Work In Restricted Working Space, Add	*655.51*	
27 15 13 00-0291	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,982.94	1,356.31
		For Work In Restricted Working Space, Add	*678.31*	
27 15 13 00-0292	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,276.96	1,403.09
		For Work In Restricted Working Space, Add	*701.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,638.55	1,498.09
		For Work In Restricted Working Space, Add	*748.90*	
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,974.14	1,591.62
		For Work In Restricted Working Space, Add	*795.38*	
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,360.02	1,780.17
		For Work In Restricted Working Space, Add	*890.08*	
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,767.07	2,345.79
		For Work In Restricted Working Space, Add	*1,172.89*	
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,562.20	3,465.33
		For Work In Restricted Working Space, Add	*1,732.81*	

27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,131.21	1,129.78
		For Work In Restricted Working Space, Add	*565.18*	
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,347.95	1,170.70
		For Work In Restricted Working Space, Add	*585.35*	
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,654.12	1,211.63
		For Work In Restricted Working Space, Add	*605.52*	
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,914.99	1,252.55
		For Work In Restricted Working Space, Add	*626.57*	
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,234.70	1,337.32
		For Work In Restricted Working Space, Add	*668.66*	
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,532.65	1,420.63
		For Work In Restricted Working Space, Add	*710.31*	
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,703.86	1,505.39
		For Work In Restricted Working Space, Add	*752.41*	
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,876.54	1,590.17
		For Work In Restricted Working Space, Add	*794.94*	
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,249.07	1,691.01
		For Work In Restricted Working Space, Add	*845.36*	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,126.57	2,094.40
		For Work In Restricted Working Space, Add	*1,047.27*	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,610.57	3,094.10
		For Work In Restricted Working Space, Add	*1,547.12*	

27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,831.99	995.31
		For Work In Restricted Working Space, Add	*497.22*	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,039.51	1,030.39
		For Work In Restricted Working Space, Add	*515.20*	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,226.12	1,065.47
		For Work In Restricted Working Space, Add	*533.17*	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,420.70	1,102.01
		For Work In Restricted Working Space, Add	*551.15*	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,671.62	1,176.55
		For Work In Restricted Working Space, Add	*588.42*	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,906.73	1,249.63
		For Work In Restricted Working Space, Add	*625.25*	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,197.36	1,398.71
		For Work In Restricted Working Space, Add	*699.35*	
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,227.11	1,843.02
		For Work In Restricted Working Space, Add	*921.65*	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,270.49	2,722.87
		For Work In Restricted Working Space, Add	*1,361.43*	

27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

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27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,641.03	904.70
		For Work In Restricted Working Space, Add	*452.06*	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,809.27	936.85
		For Work In Restricted Working Space, Add	*468.28*	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,959.96	969.74
		For Work In Restricted Working Space, Add	*484.50*	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,117.75	1,002.62
		For Work In Restricted Working Space, Add	*501.17*	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,328.15	1,069.86
		For Work In Restricted Working Space, Add	*534.71*	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,526.29	1,137.08
		For Work In Restricted Working Space, Add	*568.25*	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,794.59	1,271.55
		For Work In Restricted Working Space, Add	*635.78*	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,680.57	1,676.40
		For Work In Restricted Working Space, Add	*837.91*	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,457.26	2,475.87
		For Work In Restricted Working Space, Add	*1,237.79*	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,705.42	2,534.32
		For Work In Restricted Working Space, Add	*1,267.16*	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,733.56	2,950.87
		For Work In Restricted Working Space, Add	*1,475.44*	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,217.63	3,158.41
		For Work In Restricted Working Space, Add	*1,579.34*	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,790.30	3,947.64
		For Work In Restricted Working Space, Add	*1,973.52*	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,791.14	5,197.27
		For Work In Restricted Working Space, Add	*2,598.33*	
27 15 13 00-0335		#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*		
27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,426.50	814.08
		For Work In Restricted Working Space, Add	*406.89*	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,500.60	843.31
		For Work In Restricted Working Space, Add	*421.37*	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,586.01	872.55
		For Work In Restricted Working Space, Add	*436.28*	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,676.32	901.77
		For Work In Restricted Working Space, Add	*451.18*	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,825.94	963.16
		For Work In Restricted Working Space, Add	*481.43*	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,974.06	1,020.16
		For Work In Restricted Working Space, Add	*510.37*	
27 15 13 00-0342		Triad *(27 15 13 00-0277)*		
27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,482.55	1,211.63
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,553.72	1,676.40
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,091.32	2,475.87
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,810.19	2,950.87
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,383.80	4,571.73
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	16,537.86	5,197.27
27 15 13 00-0349		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*		
27 15 13 00-0350		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*		
27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,117.41	2,893.87
		For #10 AWG, Add	*1,061.69*	
		For Work In Restricted Working Space, Add	*1,447.06*	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,537.43	2,996.18
		For #10 AWG, Add	*1,177.99*	
		For Work In Restricted Working Space, Add	*1,498.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,923.11	3,101.41
		For #10 AWG, Add	*1,282.84*	
		For Work In Restricted Working Space, Add	*1,550.27*	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,328.25	3,206.65
		For #10 AWG, Add	*1,393.34*	
		For Work In Restricted Working Space, Add	*1,603.81*	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,902.05	3,422.95
		For #10 AWG, Add	*1,535.82*	
		For Work In Restricted Working Space, Add	*1,711.98*	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,446.71	3,636.34
		For #10 AWG, Add	*1,669.33*	
		For Work In Restricted Working Space, Add	*1,818.65*	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,238.32	4,068.95
		For #10 AWG, Add	*1,837.21*	
		For Work In Restricted Working Space, Add	*2,034.09*	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,882.09	5,363.89
		For #10 AWG, Add	*2,429.14*	
		For Work In Restricted Working Space, Add	*2,681.42*	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	16,115.28	7,921.60
		For #10 AWG, Add	*3,602.14*	
		For Work In Restricted Working Space, Add	*3,959.78*	

27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,498.83	2,531.41
		For Work In Restricted Working Space, Add	*1,265.41*	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,888.20	2,622.02
		For Work In Restricted Working Space, Add	*1,311.01*	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,243.95	2,712.64
		For Work In Restricted Working Space, Add	*1,356.61*	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,615.44	2,806.18
		For Work In Restricted Working Space, Add	*1,403.09*	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,134.88	2,996.18
		For Work In Restricted Working Space, Add	*1,497.80*	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,625.39	3,183.26
		For Work In Restricted Working Space, Add	*1,590.75*	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,326.98	3,560.34
		For Work In Restricted Working Space, Add	*1,780.17*	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,676.71	4,691.57
		For Work In Restricted Working Space, Add	*2,345.78*	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,338.25	6,930.67
		For Work In Restricted Working Space, Add	*3,465.63*	

27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,015.15	2,259.55
		For Work In Restricted Working Space, Add	*1,130.36*	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,299.12	2,341.41
		For Work In Restricted Working Space, Add	*1,170.70*	
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,672.52	2,423.25
		For Work In Restricted Working Space, Add	*1,211.04*	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,003.54	2,505.10
		For Work In Restricted Working Space, Add	*1,253.13*	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,463.57	2,674.64
		For Work In Restricted Working Space, Add	*1,337.32*	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,900.36	2,841.25
		For Work In Restricted Working Space, Add	*1,420.63*	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,211.88	3,010.79
		For Work In Restricted Working Space, Add	*1,504.81*	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,526.33	3,180.33
		For Work In Restricted Working Space, Add	*1,589.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,066.94	3,382.03
		For Work In Restricted Working Space, Add	*1,690.72*	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,617.48	4,188.80
		For Work In Restricted Working Space, Add	*2,094.55*	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,767.65	6,188.20
		For Work In Restricted Working Space, Add	*3,094.25*	

27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,489.40	1,990.64
		For Work In Restricted Working Space, Add	*994.44*	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,756.83	2,060.79
		For Work In Restricted Working Space, Add	*1,030.39*	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,003.37	2,130.94
		For Work In Restricted Working Space, Add	*1,066.35*	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,257.87	2,204.02
		For Work In Restricted Working Space, Add	*1,102.30*	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,633.02	2,353.09
		For Work In Restricted Working Space, Add	*1,176.84*	
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,990.89	2,499.25
		For Work In Restricted Working Space, Add	*1,250.50*	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,528.54	2,797.40
		For Work In Restricted Working Space, Add	*1,398.71*	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,299.28	3,686.03
		For Work In Restricted Working Space, Add	*1,843.31*	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,808.59	5,445.74
		For Work In Restricted Working Space, Add	*2,722.86*	

27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,147.89	1,809.40
		For Work In Restricted Working Space, Add	*904.12*	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,370.20	1,873.71
		For Work In Restricted Working Space, Add	*936.56*	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,574.97	1,939.48
		For Work In Restricted Working Space, Add	*969.01*	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,788.30	2,005.25
		For Work In Restricted Working Space, Add	*1,002.33*	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,110.51	2,139.71
		For Work In Restricted Working Space, Add	*1,069.42*	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,420.45	2,274.17
		For Work In Restricted Working Space, Add	*1,136.50*	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,913.83	2,543.10
		For Work In Restricted Working Space, Add	*1,271.55*	
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,473.58	3,352.80
		For Work In Restricted Working Space, Add	*1,675.81*	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,583.20	4,951.73
		For Work In Restricted Working Space, Add	*2,475.57*	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,929.28	5,068.66
		For Work In Restricted Working Space, Add	*2,534.32*	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,651.68	5,901.74
		For Work In Restricted Working Space, Add	*2,950.88*	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,482.13	6,316.82
		For Work In Restricted Working Space, Add	*3,158.69*	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	15,368.70	7,895.30
		For Work In Restricted Working Space, Add	*3,947.04*	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	20,452.22	10,394.54
		For Work In Restricted Working Space, Add	*5,196.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 13 00-0407 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,782.83	1,628.17
		For Work In Restricted Working Space, Add	*813.79*	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,905.15	1,686.63
		For Work In Restricted Working Space, Add	*842.73*	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,040.24	1,745.09
		For Work In Restricted Working Space, Add	*872.54*	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,180.26	1,803.56
		For Work In Restricted Working Space, Add	*902.36*	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,430.72	1,926.32
		For Work In Restricted Working Space, Add	*962.87*	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,675.31	2,040.33
		For Work In Restricted Working Space, Add	*1,020.75*	

27 15 13 00-0414 Triad, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,482.55	1,211.63
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,553.72	1,676.40
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,091.32	2,475.87
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	8,810.19	2,950.87
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	14,383.80	4,571.73
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	16,537.86	5,197.27

27 15 13 00-0421 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0422 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,323.15	1,265.70
		For Work In Restricted Working Space, Add	*632.71*	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,580.16	1,311.01
		For Work In Restricted Working Space, Add	*655.51*	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,811.54	1,356.31
		For Work In Restricted Working Space, Add	*678.31*	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,054.14	1,403.09
		For Work In Restricted Working Space, Add	*701.54*	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,364.44	1,496.63
		For Work In Restricted Working Space, Add	*748.02*	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,658.59	1,590.17
		For Work In Restricted Working Space, Add	*794.94*	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,029.26	1,780.17
		For Work In Restricted Working Space, Add	*890.08*	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,326.06	2,345.79
		For Work In Restricted Working Space, Add	*1,172.89*	
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,900.69	3,465.33
		For Work In Restricted Working Space, Add	*1,732.81*	

27 15 13 00-0432 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,072.50	1,129.78
		For Work In Restricted Working Space, Add	*565.18*	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,299.13	1,170.70
		For Work In Restricted Working Space, Add	*585.35*	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,503.18	1,211.63
		For Work In Restricted Working Space, Add	*605.52*	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,718.77	1,252.55
		For Work In Restricted Working Space, Add	*626.57*	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,994.44	1,335.86
		For Work In Restricted Working Space, Add	*668.22*	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,256.06	1,420.63
		For Work In Restricted Working Space, Add	*710.31*	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,419.94	1,505.39
		For Work In Restricted Working Space, Add	*752.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,645.74	1,590.17
		For Work In Restricted Working Space, Add	*794.94*	
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,979.66	1,691.01
		For Work In Restricted Working Space, Add	*845.32*	
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,738.23	2,094.40
		For Work In Restricted Working Space, Add	*1,047.28*	
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,028.76	3,094.10
		For Work In Restricted Working Space, Add	*1,547.34*	

27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,814.76	993.86
		For Work In Restricted Working Space, Add	*497.22*	
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,999.51	1,030.39
		For Work In Restricted Working Space, Add	*515.20*	
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,124.54	1,066.93
		For Work In Restricted Working Space, Add	*533.17*	
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,282.16	1,102.01
		For Work In Restricted Working Space, Add	*551.15*	
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,493.21	1,176.55
		For Work In Restricted Working Space, Add	*588.42*	
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,702.82	1,251.09
		For Work In Restricted Working Space, Add	*625.25*	
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,177.73	1,398.71
		For Work In Restricted Working Space, Add	*699.35*	
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,146.02	1,843.02
		For Work In Restricted Working Space, Add	*921.65*	
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,710.96	2,722.87
		For Work In Restricted Working Space, Add	*1,361.43*	

27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,617.95	904.70
		For Work In Restricted Working Space, Add	*452.06*	
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,750.31	936.85
		For Work In Restricted Working Space, Add	*468.28*	
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,040.29	1,066.93
		For Work In Restricted Working Space, Add	*533.17*	
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,210.35	1,121.60
		For Work In Restricted Working Space, Add	*560.80*	
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,377.60	1,176.55
		For Work In Restricted Working Space, Add	*588.42*	
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,566.21	1,251.09
		For Work In Restricted Working Space, Add	*625.25*	
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,835.93	1,392.27
		For Work In Restricted Working Space, Add	*696.28*	
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,469.84	1,676.40
		For Work In Restricted Working Space, Add	*837.91*	
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,141.17	2,475.87
		For Work In Restricted Working Space, Add	*1,237.79*	
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,353.66	2,534.32
		For Work In Restricted Working Space, Add	*1,267.16*	
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,302.53	2,950.87
		For Work In Restricted Working Space, Add	*1,475.44*	
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,753.89	3,158.41
		For Work In Restricted Working Space, Add	*1,579.34*	
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,265.14	3,947.64
		For Work In Restricted Working Space, Add	*1,973.52*	
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,047.98	5,197.27
		For Work In Restricted Working Space, Add	*2,598.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0469		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*		
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,429.96	814.08
		For Work In Restricted Working Space, Add	*406.89*	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,505.33	843.31
		For Work In Restricted Working Space, Add	*421.37*	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,597.55	872.55
		For Work In Restricted Working Space, Add	*436.28*	
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,696.04	901.77
		For Work In Restricted Working Space, Add	*451.18*	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,842.56	963.16
		For Work In Restricted Working Space, Add	*481.43*	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,994.56	1,020.16
		For Work In Restricted Working Space, Add	*510.37*	
27 15 13 00-0476		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*		
27 15 13 00-0477		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,432.16	2,531.41
		For Work In Restricted Working Space, Add	*1,265.41*	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,765.17	2,622.02
		For Work In Restricted Working Space, Add	*1,311.01*	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,072.55	2,712.64
		For Work In Restricted Working Space, Add	*1,356.61*	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,392.62	2,806.18
		For Work In Restricted Working Space, Add	*1,403.09*	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,857.84	2,993.26
		For Work In Restricted Working Space, Add	*1,496.04*	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,308.38	3,180.33
		For Work In Restricted Working Space, Add	*1,589.87*	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,996.22	3,560.34
		For Work In Restricted Working Space, Add	*1,780.17*	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,235.70	4,691.57
		For Work In Restricted Working Space, Add	*2,345.78*	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,676.74	6,930.67
		For Work In Restricted Working Space, Add	*3,465.63*	
27 15 13 00-0487		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,956.44	2,259.55
		For Work In Restricted Working Space, Add	*1,130.36*	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,250.30	2,341.41
		For Work In Restricted Working Space, Add	*1,170.70*	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,521.58	2,423.25
		For Work In Restricted Working Space, Add	*1,211.04*	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,807.32	2,505.10
		For Work In Restricted Working Space, Add	*1,253.13*	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,221.84	2,671.71
		For Work In Restricted Working Space, Add	*1,336.44*	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,623.77	2,841.25
		For Work In Restricted Working Space, Add	*1,420.63*	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,927.96	3,010.79
		For Work In Restricted Working Space, Add	*1,504.81*	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,295.53	3,180.33
		For Work In Restricted Working Space, Add	*1,589.87*	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,797.39	3,382.03
		For Work In Restricted Working Space, Add	*1,690.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,229.13	4,188.80
		For Work In Restricted Working Space, Add	*2,094.55*	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,186.55	6,188.20
		For Work In Restricted Working Space, Add	*3,094.68*	

27 15 13 00-0499 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,472.17	1,987.71
		For Work In Restricted Working Space, Add	*994.44*	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,716.83	2,060.79
		For Work In Restricted Working Space, Add	*1,030.39*	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,901.79	2,133.86
		For Work In Restricted Working Space, Add	*1,066.35*	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,119.33	2,204.02
		For Work In Restricted Working Space, Add	*1,102.30*	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,454.61	2,353.09
		For Work In Restricted Working Space, Add	*1,176.84*	
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,786.98	2,502.17
		For Work In Restricted Working Space, Add	*1,250.50*	
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,508.91	2,797.40
		For Work In Restricted Working Space, Add	*1,398.71*	
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,218.19	3,686.03
		For Work In Restricted Working Space, Add	*1,843.31*	
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,249.06	5,445.74
		For Work In Restricted Working Space, Add	*2,722.86*	

27 15 13 00-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,124.81	1,809.40
		For Work In Restricted Working Space, Add	*904.12*	
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,311.24	1,873.71
		For Work In Restricted Working Space, Add	*936.56*	
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,817.54	2,133.86
		For Work In Restricted Working Space, Add	*1,066.35*	
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,079.66	2,243.18
		For Work In Restricted Working Space, Add	*1,121.59*	
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,339.00	2,353.09
		For Work In Restricted Working Space, Add	*1,176.84*	
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,650.37	2,502.17
		For Work In Restricted Working Space, Add	*1,250.50*	
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,156.88	2,784.55
		For Work In Restricted Working Space, Add	*1,392.57*	
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,262.85	3,352.80
		For Work In Restricted Working Space, Add	*1,675.81*	
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,267.11	4,951.73
		For Work In Restricted Working Space, Add	*2,475.57*	
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,577.52	5,068.66
		For Work In Restricted Working Space, Add	*2,534.32*	
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,220.65	5,901.74
		For Work In Restricted Working Space, Add	*2,950.88*	
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,018.39	6,316.82
		For Work In Restricted Working Space, Add	*3,158.69*	
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,843.54	7,895.30
		For Work In Restricted Working Space, Add	*3,947.04*	
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	19,709.06	10,394.54
		For Work In Restricted Working Space, Add	*5,196.65*	

27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0525	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,786.29	1,628.17
		For Work In Restricted Working Space, Add	*813.79*	
27 15 13 00-0526	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,909.88	1,686.63
		For Work In Restricted Working Space, Add	*842.73*	
27 15 13 00-0527	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,051.78	1,745.09
		For Work In Restricted Working Space, Add	*872.54*	
27 15 13 00-0528	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,199.98	1,803.56
		For Work In Restricted Working Space, Add	*902.36*	
27 15 13 00-0529	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,447.34	1,926.32
		For Work In Restricted Working Space, Add	*962.87*	
27 15 13 00-0530	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,695.81	2,040.33
		For Work In Restricted Working Space, Add	*1,020.75*	

27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0276)*

Note: Excludes excavation.

27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,098.57	
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,399.74	
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,668.94	
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,952.89	
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,292.34	
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,607.28	

27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0276)*

27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,215.67	750.75
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,591.24	804.31
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,342.50	1,016.81
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,969.59	1,176.07
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	11,256.38	1,340.46
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	13,449.36	1,712.54

27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,076.94	1,129.78
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,407.67	1,170.70
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,646.55	1,211.63
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,785.18	1,252.55
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,255.99	1,335.86
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,508.96	1,420.63
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,293.19	1,590.17
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,395.63	2,094.40
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,147.88	3,094.10
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,804.12	993.86
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,076.78	1,030.39
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,305.61	1,066.93
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,428.52	1,102.01
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,832.10	1,176.55
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,143.19	1,251.09
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,543.10	1,398.71
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,596.96	1,843.02
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,227.92	2,722.87
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,607.29	904.70
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,785.54	936.85
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,958.80	969.01
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,075.01	1,002.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,248.23	1,069.86
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,438.20	1,137.08
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,730.05	1,271.55
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,724.29	1,676.40
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,621.88	2,475.87
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,888.51	2,534.32
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,915.66	2,950.87
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,459.16	3,158.41
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,063.83	3,947.64
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	12,178.21	5,197.27
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	23,239.85	9,573.15
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,204.83	12,668.72
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	45,272.88	15,964.51
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	63,449.23	21,898.41
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,571.11	904.70
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,704.61	936.85
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,834.93	969.01
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,929.27	1,002.62
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,080.64	1,069.86
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,242.17	1,137.08
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,509.96	1,271.55
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,388.74	1,676.40
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,082.87	2,475.87
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,288.70	2,534.32
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,223.03	2,950.87
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,668.36	3,158.41
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,168.27	3,947.64
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,910.92	5,197.27
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,557.93	9,573.15
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	29,469.85	12,668.72
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	38,523.69	15,964.51
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	53,705.54	21,898.41

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,086.81	1,129.78
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,314.94	1,170.70
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,466.12	1,211.63
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,660.73	1,252.55
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,914.43	1,335.86
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,165.21	1,420.63
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,741.10	1,590.17
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,876.77	2,094.40
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,256.48	3,094.10
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,829.83	993.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,026.53	1,030.39
27 15 13 00-0612	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,157.80	1,066.93
27 15 13 00-0613	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,324.77	1,102.01
27 15 13 00-0614	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,544.14	1,176.55
27 15 13 00-0615	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,762.06	1,251.09
27 15 13 00-0616	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,258.79	1,398.71
27 15 13 00-0617	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,249.55	1,843.02
27 15 13 00-0618	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,321.98	2,722.87
27 15 13 00-0619	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,628.58	904.70
27 15 13 00-0620	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,798.79	936.85
27 15 13 00-0621	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,924.22	969.01
27 15 13 00-0622	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,135.61	1,002.62
27 15 13 00-0623	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,345.55	1,069.86
27 15 13 00-0624	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,709.02	1,137.08
27 15 13 00-0625	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,028.68	1,271.55
27 15 13 00-0626	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,870.35	1,676.40
27 15 13 00-0627	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,804.89	2,475.87
27 15 13 00-0628	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,091.17	2,534.32
27 15 13 00-0629	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,206.42	2,950.87
27 15 13 00-0630	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,726.35	3,158.41
27 15 13 00-0631	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,366.41	3,947.64
27 15 13 00-0632	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	12,606.40	5,197.27
27 15 13 00-0633	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	24,146.71	9,573.15
27 15 13 00-0634	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	35,805.57	12,668.72
27 15 13 00-0635	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	47,554.25	15,964.51
27 15 13 00-0636	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	66,742.69	21,896.94
27 15 13 00-0637	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,584.72	904.70
27 15 13 00-0638	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,713.09	936.85
27 15 13 00-0639	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,812.81	969.01
27 15 13 00-0640	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,968.03	1,002.62
27 15 13 00-0641	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	2,142.88	1,069.86
27 15 13 00-0642	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,415.42	1,137.08
27 15 13 00-0643	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,701.00	1,271.55
27 15 13 00-0644	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,482.17	1,676.40
27 15 13 00-0645	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,199.93	2,475.87
27 15 13 00-0646	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,418.34	2,534.32
27 15 13 00-0647	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,381.90	2,950.87
27 15 13 00-0648	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,839.29	3,158.41
27 15 13 00-0649	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,361.83	3,947.64
27 15 13 00-0650	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,184.82	5,197.27
27 15 13 00-0651	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,137.99	9,573.15
27 15 13 00-0652	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,493.90	12,668.72
27 15 13 00-0653	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	39,983.57	15,964.51
27 15 13 00-0654	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	55,813.25	21,898.41

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0655		Sound System Cables *(27 15 13)* Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,355.90	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,251.43	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,170.85	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,258.97	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,542.19	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,824.48	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,543.38	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,407.39	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,399.06	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,278.88	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,210.86	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,324.37	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,564.16	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,537.71	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,371.48	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,654.04	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,935.82	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,244.97	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,301.11	1,023.08
		For Work In Restricted Working Space, Add	*613.85*	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,332.81	511.55
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,228.34	511.55
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,147.76	511.55
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,235.88	511.55
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,519.10	511.55
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,801.39	511.55
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,520.29	511.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,384.30	511.55

27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,375.97	511.55
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,255.79	511.55
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,187.77	511.55
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,301.28	511.55
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,541.07	511.55
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,514.62	511.55
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,348.39	511.55
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,630.95	511.55
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,912.73	511.55
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,278.02	511.55
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,221.88	511.55

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable *(27 15 23)*

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,265.91	575.92
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,358.15	575.92
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,388.94	575.92
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,498.62	575.92
		For Aluminum Armored Cable, Add	*836.29*	
		For Steel Armored Cable, Add	*1,656.58*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,530.06	575.92
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,720.14	575.92
		For Aluminum Armored Cable, Add	*884.22*	
		For Steel Armored Cable, Add	*1,743.68*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,800.11	671.90
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,815.46	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,742.52*	
		For Steel Armored Cable, Add	*2,401.69*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,587.12	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,836.94*	
		For Steel Armored Cable, Add	*2,219.85*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,736.79	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,927.32*	
		For Steel Armored Cable, Add	*2,324.45*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,680.59	671.90
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,931.58	671.90
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,251.77	671.90
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,681.22	767.89
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,481.52	767.89

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,292.47	575.92
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,413.94	575.92
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,683.55	575.92
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,967.35	575.92
		For Aluminum Armored Cable, Add	*876.82*	
		For Steel Armored Cable, Add	*1,165.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,236.96	575.92
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,790.37	575.92
		For Aluminum Armored Cable, Add	*833.93*	
		For Steel Armored Cable, Add	*1,209.69*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,092.24	671.90
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,093.03	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*912.06*	
		For Steel Armored Cable, Add	*912.06*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,079.63	671.90
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,066.23	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,627.59*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,052.83	671.90
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,039.43	671.90
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,026.82	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*7,009.86*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,160.01	767.89
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	25,133.21	767.89

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,309.10	575.92
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,436.64	575.92
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,719.73	575.92
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,017.72	575.92
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,300.82	575.92
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,881.90	575.92
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,190.86	671.90
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,291.69	671.90
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,377.62	671.90
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,463.55	671.90
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,549.48	671.90
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,635.41	671.90
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,822.17	671.90
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,154.02	767.89
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,325.88	767.89

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,120.78	575.92
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,464.77	575.92
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,221.53	575.92
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,582.68	575.92
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,043.10	575.92
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,408.51	671.90
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,993.69	671.90
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,138.21	671.90
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,589.08	671.90

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,497.05	575.92
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,981.72	575.92
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,780.83	575.92
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,968.54	575.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,461.75	575.92
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,258.42	671.90
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,038.39	671.90
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,255.35	671.90
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,480.11	671.90
27 15 23 00-0074		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,573.91	575.92
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,082.82	575.92
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,921.88	575.92
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,168.97	575.92
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,686.85	575.92
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,565.35	671.90
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,434.32	671.90
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,712.13	671.90
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,198.12	671.90
27 15 23 00-0084		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*		
27 15 23 00-0085		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*		
27 15 23 00-0086		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,269.72	575.92
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,274.40	575.92
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,519.87	575.92
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,548.59	575.92
		For Aluminum Armored Cable, Add	*975.69*	
		For Steel Armored Cable, Add	*5,370.90*	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,693.19	575.92
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,720.24	575.92
		For Aluminum Armored Cable, Add	*1,021.93*	
		For Steel Armored Cable, Add	*5,764.99*	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,598.71	671.90
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,528.29	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*927.38*	
		For Steel Armored Cable, Add	*6,052.59*	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,988.78	671.90
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,162.10	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,421.87*	
		For Steel Armored Cable, Add	*7,569.86*	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,572.58	671.90
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,078.53	671.90
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,208.20	671.90
27 15 23 00-0100		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,290.68	575.92
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,734.56	575.92
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,209.15	575.92
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,693.25	575.92
		For Aluminum Armored Cable, Add	*153.66*	
		For Steel Armored Cable, Add	*505.83*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,157.12	575.92
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,560.15	575.92
		For Aluminum Armored Cable, Add	*40.15*	
		For Steel Armored Cable, Add	*439.92*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,513.38	671.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,955.75	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*2,030.76*	
		For Steel Armored Cable, Add	*4,736.32*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,373.71	671.90
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,791.67	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*6,030.26*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,209.63	671.90
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,627.59	671.90
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	28,487.92	671.90
		For Aluminum Armored Cable With Sub-Units, Add	*12,060.52*	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,307.22	575.92
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,773.30	575.92
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,271.61	575.92
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,779.92	575.92
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,266.98	575.92
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,690.16	575.92
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,683.05	671.90
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,297.55	671.90
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,886.40	671.90
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,475.26	671.90
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,064.12	671.90
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,652.98	671.90
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	29,856.33	671.90

27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,172.78	575.92
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,591.30	575.92
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,597.44	575.92
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,583.49	575.92
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,157.20	575.92
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,132.07	671.90
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,465.67	671.90
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,430.19	671.90
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,666.87	671.90

27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,338.97	575.92
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,617.80	575.92
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,900.46	575.92
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,063.84	575.92
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,868.60	575.92
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,207.68	671.90
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,999.20	671.90
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,937.38	671.90
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	33,346.31	671.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,557.93	575.92
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,900.70	575.92
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,297.49	575.92
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,519.04	575.92
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,414.03	575.92
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,962.07	671.90
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,893.17	671.90
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,928.26	671.90
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	34,957.63	671.90
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,585.87	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,678.11	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,708.90	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,818.58	767.89
		For Aluminum Armored Cable, Add	*836.29*	
		For Steel Armored Cable, Add	*1,656.58*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,850.02	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,040.10	767.89
		For Aluminum Armored Cable, Add	*884.22*	
		For Steel Armored Cable, Add	*1,743.68*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,120.07	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,135.42	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*1,742.52*	
		For Steel Armored Cable, Add	*2,401.69*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,907.08	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*1,836.94*	
		For Steel Armored Cable, Add	*2,219.85*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,056.75	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*1,927.32*	
		For Steel Armored Cable, Add	*2,324.45*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,000.55	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,251.54	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,571.73	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,001.17	959.86
		For Work In Restricted Working Space, Add	*479.93*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,801.47	959.86
		For Work In Restricted Working Space, Add	*479.93*	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,612.43	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,733.90	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,003.51	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,287.31	767.89
		For Aluminum Armored Cable, Add	*876.82*	
		For Steel Armored Cable, Add	*1,165.21*	
		For Work In Restricted Working Space, Add	*383.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,556.92	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,110.33	767.89
		For Aluminum Armored Cable, Add	*833.93*	
		For Steel Armored Cable, Add	*1,209.69*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,412.20	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,412.99	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*912.06*	
		For Steel Armored Cable, Add	*912.06*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,399.59	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,386.19	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*1,627.59*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,372.79	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,359.39	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,346.78	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*7,009.86*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,479.96	959.86
		For Work In Restricted Working Space, Add	*479.93*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	25,453.16	959.86
		For Work In Restricted Working Space, Add	*479.93*	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,629.06	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,756.60	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,039.69	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,337.68	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,620.78	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,201.86	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,510.82	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,611.65	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,697.58	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,783.51	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,869.44	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,955.37	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,142.13	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,473.97	959.86
		For Work In Restricted Working Space, Add	*479.93*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,645.83	959.86
		For Work In Restricted Working Space, Add	*479.93*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,440.74	767.89
		For Work In Restricted Working Space, Add	*383.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,784.73	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,541.49	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,902.64	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,363.06	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,728.47	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,313.65	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,458.17	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,909.04	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,817.01	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,301.68	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,100.79	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,288.50	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,781.71	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,578.38	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,358.35	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,575.31	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,800.07	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,893.87	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,402.78	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,241.84	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,488.93	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,006.81	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,885.31	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,754.28	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,032.09	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,518.08	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*

27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,589.68	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,594.36	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,839.83	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,868.55	767.89
		For Aluminum Armored Cable, Add	*975.69*	
		For Steel Armored Cable, Add	*5,370.90*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,013.15	767.89
		For Work In Restricted Working Space, Add	*383.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,040.20	767.89
		For Aluminum Armored Cable, Add	*1,021.93*	
		For Steel Armored Cable, Add	*5,764.99*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,918.67	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,848.25	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*927.38*	
		For Steel Armored Cable, Add	*6,052.59*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,308.74	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,482.06	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*1,421.87*	
		For Steel Armored Cable, Add	*7,569.86*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,892.54	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,398.49	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,528.16	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,610.64	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,054.52	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,529.11	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,013.21	767.89
		For Aluminum Armored Cable, Add	*153.66*	
		For Steel Armored Cable, Add	*505.83*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,477.08	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,880.11	767.89
		For Aluminum Armored Cable, Add	*40.15*	
		For Steel Armored Cable, Add	*439.92*	
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,833.34	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,275.71	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*2,030.76*	
		For Steel Armored Cable, Add	*4,736.32*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,693.67	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,111.63	863.87
		For Aluminum Armored Cable With Sub-Units, Add	*6,030.26*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,529.59	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,947.55	863.87
		For Work In Restricted Working Space, Add	*431.94*	
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,807.88	863.87
		For Work In Restricted Working Space, Add	*431.94*	
		For Aluminum Armored Cable With Sub-Units, Add	*12,060.52*	
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,627.18	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,093.26	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,591.57	767.89
		For Work In Restricted Working Space, Add	*383.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,099.88	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,586.94	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,010.12	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,003.01	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,617.51	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,206.36	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,795.22	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,384.08	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,972.94	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	30,176.29	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,492.74	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,911.26	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,917.40	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,903.45	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,477.16	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,452.03	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,785.63	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,750.15	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,986.83	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,658.93	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,937.76	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,220.42	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,383.80	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,188.56	767.89
		For Work In Restricted Working Space, Add	*383.95*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,527.64	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,319.16	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,257.34	863.87
		For Work In Restricted Working Space, Add	*431.94*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,666.27	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,877.89	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,220.66	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,617.45	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,839.00	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,733.99	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,282.03	863.87
			For Work In Restricted Working Space, Add	*431.94*	
	27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,213.13	863.87
			For Work In Restricted Working Space, Add	*431.94*	
	27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,248.22	863.87
			For Work In Restricted Working Space, Add	*431.94*	
	27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	35,277.59	863.87
			For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

	27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,709.46	575.92
	27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,723.25	575.92
	27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,004.84	671.90
	27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,299.45	671.90

27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

	27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,989.92	575.92
	27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,762.72	575.92
	27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	7,073.21	671.90
	27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	11,991.59	671.90

27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

	27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,029.42	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,043.21	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,324.80	863.87
			For Work In Restricted Working Space, Add	*431.94*	
	27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,619.41	863.87
			For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

	27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,309.88	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,082.68	767.89
			For Work In Restricted Working Space, Add	*383.95*	
	27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,393.17	863.87
			For Work In Restricted Working Space, Add	*431.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,311.55	863.87
		For Work In Restricted Working Space, Add	*431.94*	

27 15 23 00-0338 Outdoor Fiber Optic Cable *(27 15 23)*

Note: Cable buried in trench excludes excavation.

27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Excludes conduit or innerduct.

27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,469.00	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.30*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,502.41	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.53*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,535.85	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.67*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,569.28	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.29*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,635.70	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.10*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,771.56	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.53*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,841.40	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.48*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,862.95	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.38*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,262.64	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.95*	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,482.99	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.93*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,768.89	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*332.04*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,272.21	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.79*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,822.15	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.10*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,397.72	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*259.12*	

27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,302.48	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,380.97	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,545.40	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,769.63	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,863.06	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,180.73	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,853.42	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,843.78	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,946.25	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,712.38	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,702.74	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,001.12	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	13,280.81	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	15,560.50	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,237.23	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.74*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,347.54	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.04*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,457.69	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.15*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,593.75	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,788.62	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,133.13	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.93*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,459.48	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.82*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,084.07	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.05*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,814.61	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*243.81*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,489.37	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*262.35*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,201.54	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.94*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,641.93	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.87*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,105.44	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.90*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,591.54	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*348.05*	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0339)

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,660.29	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.03*	
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,725.43	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*304.32*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,744.98	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.65*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,823.00	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.79*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,847.35	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.17*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,956.70	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.21*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,054.75	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.47*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,211.16	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*353.13*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,431.52	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*357.74*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,651.02	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*370.62*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,948.61	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.80*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,429.97	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*415.76*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,059.73	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*409.39*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,575.07	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*327.02*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,879.88	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*300.05*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,107.92	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.03*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,407.97	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.01*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,551.99	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,696.02	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,032.07	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*72.01*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,332.12	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.05*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,980.23	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*540.09*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,628.34	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*900.15*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,168.43	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*990.16*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,876.55	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,260.21*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,352.79	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,860.31*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,096.92	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,404.23*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,005.23	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,420.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,311.72	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.02*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,419.74	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,527.58	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.34*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,635.59	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.98*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,915.41	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.51*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,189.79	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*225.59*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,526.00	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.03*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,176.76	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.75*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,839.69	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*346.87*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,504.90	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*386.26*	
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,204.36	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*430.74*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,623.75	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.90*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,455.78	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*525.04*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,529.41	1,151.83
		For Corrugated Coated Steel Tape Armored Cable, Add	*542.01*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*
Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,309.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.30*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,342.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.53*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,375.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.67*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,409.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.29*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,475.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.10*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,611.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.53*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,681.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.48*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,702.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.38*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,102.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.95*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,603.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.93*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,940.95	
		For Corrugated Coated Steel Tape Armored Cable, Add	*332.04*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,112.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.79*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,662.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.10*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,237.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*259.12*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,142.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,220.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,385.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,609.65	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,703.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,020.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,693.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,683.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458		MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,786.27	
			For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459		MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,552.40	
			For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460		MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,542.76	
			For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461		MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,841.14	
			For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462		MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	13,120.83	
			For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463		MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,400.52	
			For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465		MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,077.25	
			For Corrugated Coated Steel Tape Armored Cable, Add	*114.74*	
27 15 23 00-0466		MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,187.56	
			For Corrugated Coated Steel Tape Armored Cable, Add	*123.04*	
27 15 23 00-0467		MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,297.71	
			For Corrugated Coated Steel Tape Armored Cable, Add	*131.15*	
27 15 23 00-0468		MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,433.77	
			For Corrugated Coated Steel Tape Armored Cable, Add	*149.30*	
27 15 23 00-0469		MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,628.64	
			For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0470		MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,973.15	
			For Corrugated Coated Steel Tape Armored Cable, Add	*165.93*	
27 15 23 00-0471		MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,299.50	
			For Corrugated Coated Steel Tape Armored Cable, Add	*190.82*	
27 15 23 00-0472		MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,924.09	
			For Corrugated Coated Steel Tape Armored Cable, Add	*212.05*	
27 15 23 00-0473		MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,654.63	
			For Corrugated Coated Steel Tape Armored Cable, Add	*243.81*	
27 15 23 00-0474		MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,329.39	
			For Corrugated Coated Steel Tape Armored Cable, Add	*262.35*	
27 15 23 00-0475		MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,041.56	
			For Corrugated Coated Steel Tape Armored Cable, Add	*296.94*	
27 15 23 00-0476		MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,481.95	
			For Corrugated Coated Steel Tape Armored Cable, Add	*333.87*	
27 15 23 00-0477		MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,945.46	
			For Corrugated Coated Steel Tape Armored Cable, Add	*378.90*	
27 15 23 00-0478		MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,431.56	
			For Corrugated Coated Steel Tape Armored Cable, Add	*348.05*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481		MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,500.31	
			For Corrugated Coated Steel Tape Armored Cable, Add	*212.03*	
27 15 23 00-0482		MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,565.45	
			For Corrugated Coated Steel Tape Armored Cable, Add	*304.32*	
27 15 23 00-0483		MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,585.00	
			For Corrugated Coated Steel Tape Armored Cable, Add	*291.65*	
27 15 23 00-0484		MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,663.02	
			For Corrugated Coated Steel Tape Armored Cable, Add	*242.79*	
27 15 23 00-0485		MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,687.37	
			For Corrugated Coated Steel Tape Armored Cable, Add	*290.17*	
27 15 23 00-0486		MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,796.72	
			For Corrugated Coated Steel Tape Armored Cable, Add	*275.21*	
27 15 23 00-0487		MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,894.77	
			For Corrugated Coated Steel Tape Armored Cable, Add	*278.47*	
27 15 23 00-0488		MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,051.18	
			For Corrugated Coated Steel Tape Armored Cable, Add	*353.13*	
27 15 23 00-0489		MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,271.54	
			For Corrugated Coated Steel Tape Armored Cable, Add	*357.74*	
27 15 23 00-0490		MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,491.04	
			For Corrugated Coated Steel Tape Armored Cable, Add	*370.62*	
27 15 23 00-0491		MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,788.63	
			For Corrugated Coated Steel Tape Armored Cable, Add	*318.80*	
27 15 23 00-0492		MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,269.99	
			For Corrugated Coated Steel Tape Armored Cable, Add	*415.76*	
27 15 23 00-0493		MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,899.75	
			For Corrugated Coated Steel Tape Armored Cable, Add	*409.39*	
27 15 23 00-0494		MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,415.09	
			For Corrugated Coated Steel Tape Armored Cable, Add	*327.02*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496		MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,719.90	
			For Corrugated Coated Steel Tape Armored Cable, Add	*300.05*	
27 15 23 00-0497		MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,947.94	
			For Corrugated Coated Steel Tape Armored Cable, Add	*168.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,247.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.01*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,392.01	
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,536.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,872.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*72.01*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,172.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.05*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,820.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*540.09*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,468.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*900.15*	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,008.45	
		For Corrugated Coated Steel Tape Armored Cable, Add	*990.16*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,716.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,260.21*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,192.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,860.31*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,936.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,404.23*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,845.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,420.57*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,151.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.02*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,259.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,367.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.34*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,475.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.98*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,755.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.51*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,029.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*225.59*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,366.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.03*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,016.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.75*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,679.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*346.87*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,344.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*386.26*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,044.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*430.74*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,463.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.90*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,975.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*525.04*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,369.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*542.01*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,360.56	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*179.45*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,393.75	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.10*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,427.38	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.62*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,460.57	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*185.01*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,526.98	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*215.69*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,658.11	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*224.23*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,758.13	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*247.84*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,995.91	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*237.64*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,203.86	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.08*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,375.76	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.74*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,590.20	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	13,153.01	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*307.42*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	13,756.84	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.83*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	13,901.60	4,028.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*393.89*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,238.19	959.86
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,209.89	959.86
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,374.49	959.86

27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,477.54	959.86
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,029.74	959.86
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,445.22	959.86

27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes trenching.

27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,078.21	879.87
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,049.91	879.87
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,214.51	879.87

27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,317.56	879.87
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,869.76	879.87
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,285.24	879.87

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial Distribution Cable *(27 15 33 00-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.

27 15 33 00-0003	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,478.24	467.70
27 15 33 00-0004	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	13,079.82	467.70
27 15 33 00-0005	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,849.96	494.01
27 15 33 00-0006	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,653.55	494.01
27 15 33 00-0007	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,672.15	584.62
27 15 33 00-0008	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	11,160.15	584.62
27 15 33 00-0009	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	24,214.97	818.47
27 15 33 00-0010	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,554.41	409.23
27 15 33 00-0011	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,911.80	409.23
27 15 33 00-0012	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,541.37	409.23
27 15 33 00-0013	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,676.74	818.47
27 15 33 00-0014	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	4,224.12	409.23
27 15 33 00-0015	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	10,549.96	818.47
27 15 33 00-0016	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,496.79	584.62

27 15 33 00-0017 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0017)*

27 15 33 00-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	2,120.53	671.90
27 15 33 00-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,974.85	671.90
27 15 33 00-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,761.70	767.89
27 15 33 00-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	6,259.23	767.89

27 15 33 00-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0017)*

27 15 33 00-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	3,240.38	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	
27 15 33 00-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	6,094.70	1,343.81
		For Work In Restricted Working Space, Add	*671.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	3,041.51	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	7,539.04	1,535.78
		For Work In Restricted Working Space, Add	*767.89*	

27 15 33 00-0028 Outdoor Coaxial Cable *(27 15 33)*

27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	9,444.58	2,188.24
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	5,886.47	1,539.16
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	5,141.15	908.06
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,637.65	908.06
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	3,914.69	1,418.88

27 15 43 Communications Faceplates and Connectors *(27 15)*

27 15 43 00-0001 Plastic Communications Faceplates *(27 15 43)*

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	11.83	4.01
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	11.83	4.01
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	11.83	4.01
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	11.83	4.01
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	11.83	4.01
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	19.31	4.01
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	19.31	4.01
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	19.31	4.01
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	19.31	4.01
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	19.31	4.01

27 15 43 00-0012 Stainless Steel Communications Faceplates *(27 15 43)*

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0013 Stainless Steel Communications Faceplates *(27 15 43 00-0012)*

27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	21.09	4.01
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	21.09	4.01
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	21.09	4.01
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	22.44	4.01
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	22.44	4.01
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	29.75	4.01
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	30.60	4.01
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	35.18	4.01
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	35.18	4.01
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	35.18	4.01

27 15 43 00-0024 Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0012)*

27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	29.58	4.01
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	29.58	4.01
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	29.58	4.01
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	29.58	4.01
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	29.58	4.01
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	62.01	4.01
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	62.01	4.01
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	62.01	4.01
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	62.01	4.01
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	62.01	4.01

27 15 43 00-0035 Snap-In Modular Jacks *(27 15 43)*

Note: Includes termination.

27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack	41.74	16.03
27 15 43 00-0037	EA	Category 5E, Snap-In Modular Jack	43.61	16.03
27 15 43 00-0038	EA	Category 5E Shielded, Snap-In Modular Jack	49.21	16.03
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack	49.21	16.03
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	55.49	16.03
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	56.45	16.03
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	28.99	8.01
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	45.99	16.03
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	50.74	16.03
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	60.08	16.03
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	8.89	4.01
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	10.29	4.01
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack Note: Includes female to female connection.	34.40	12.02
		For Gold Bulkhead, Add	*1.81*	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack Note: Includes female to female connection.	34.74	12.02
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	72.09	16.03
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	85.85	16.03
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	43.10	16.03
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	42.32	8.01
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	48.70	16.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	53.80	16.03
27 15 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.	75.63	24.04
27 15 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	77.23	16.03
27 15 43 00-0058		Surface Mount Plastic Communication Boxes *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	44.90	20.04
27 15 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	45.75	20.04
27 15 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	51.61	20.04
27 15 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	58.57	20.04
27 15 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	65.87	20.04
27 15 43 00-0064		Wall Mounted Telephone Faceplates *(27 15 43)* Note: Includes standard telephone mounting studs.		
27 15 43 00-0065		Plastic Faceplates For Wall Mounted Telephones *(27 15 43 00-0064)*		
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	49.05	20.00
27 15 43 00-0067		Stainless Steel Faceplates For Wall Mounted Telephones *(27 15 43 00-0064)*		
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	39.77	8.00
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	72.10	20.00
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	84.27	24.00
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	38.39	8.00
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	66.23	20.00
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	78.56	24.00
27 15 53		**Communications Cable Innerduct** *(27 15)* Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		Indoor Innerduct *(27 15 53)*		
27 15 53 00-0002		Indoor Innerduct, Installed In Conduit *(27 15 53 00-0001)*		
27 15 53 00-0003		Riser Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	6,033.26	2,399.65
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	7,843.07	3,199.54
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	10,335.48	3,999.42
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	12,119.03	4,799.30
27 15 53 00-0008		Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,375.50	1,599.77
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,407.60	2,399.65
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,948.64	3,199.54
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	15,313.29	3,999.42
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	18,423.01	4,799.30
27 15 53 00-0014		Indoor Innerduct, Installed Exposed *(27 15 53 00-0001)*		
27 15 53 00-0015		Riser Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	7,633.03	3,199.54
		For Work In Restricted Working Space, Add	*1,919.72*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	9,442.83	3,999.42
		For Work In Restricted Working Space, Add	*2,399.65*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	11,935.25	4,799.30
		For Work In Restricted Working Space, Add	*2,879.58*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	13,718.79	5,599.19
		For Work In Restricted Working Space, Add	*3,359.51*	
27 15 53 00-0020		Plenum Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	9,975.27	2,399.65
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	11,007.37	3,199.54
		For Work In Restricted Working Space, Add	*1,919.72*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	13,548.40	3,999.42
		For Work In Restricted Working Space, Add	*2,399.65*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	16,913.06	4,799.30
		For Work In Restricted Working Space, Add	*2,879.58*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	20,022.77	5,599.19
		For Work In Restricted Working Space, Add	*3,359.51*	
27 15 53 00-0026		Outdoor Innerduct *(27 15 53)*		
27 15 53 00-0027		Outdoor Innerduct, Installed In Conduit *(27 15 53 00-0026)*		
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	5,718.21	2,399.65
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	7,378.48	3,199.54
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	9,396.09	3,999.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	11,230.05	4,799.30
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*		
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	4,118.45	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	5,778.71	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	7,796.33	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	9,630.28	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001		Fiber Optic Receivers *(27 16 16)*		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	1,183.92	79.99
27 16 16 00-0003		Fiber Optic Transmitters *(27 16 16)*		
27 16 16 00-0004	EA	Fiber Optic Transmitter, Range 6.2 Miles	1,183.91	79.99
27 16 16 00-0005		Fiber Optic Repeaters *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,343.89	159.97
27 16 16 00-0007	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	2,116.66	319.95
27 16 16 00-0008		Fiber Optic Transceivers *(27 16 16)*		
27 16 16 00-0009	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,422.09	319.95
27 16 16 00-0010	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,422.09	319.95
27 16 16 00-0011	EA	Fiber Optic Ethernet Transceiver	1,865.02	479.93
27 16 16 00-0012	EA	Transceiver (Low Cost Bi- Directional)	670.43	119.98

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire *(27 16)*

27 16 19 00-0001		Fiber Optic Patch Cords *(27 16 19)*		
27 16 19 00-0002		Simplex Fiber Optic Patch Cables *(27 16 19 00-0001)*		
27 16 19 00-0003		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0002)*		
27 16 19 00-0004	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	61.03	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0005	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	50.15	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0006	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	64.29	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0007	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	52.64	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0008	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	60.58	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	59.70	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010		Duplex Fiber Optic Patch Cables *(27 16 19 00-0001)*		
27 16 19 00-0011		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*		
27 16 19 00-0012	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	104.75	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0013	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	101.69	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0014	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	112.58	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0015	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	88.00	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	103.85	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	102.11	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018		Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*		
27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	79.61	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	86.72	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	87.45	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	89.73	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	79.91	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	90.13	
		For Each Additional Meter In Length, Add	*1.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	105.55	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	73.36	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	88.80	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028		Fiber Optic Cable Pig Tail *(27 16 19)*		
27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	104.92	55.99
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail	130.72	55.99
27 16 19 00-0031		Ethernet Patch Cords *(27 16 19)*		
27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots	17.75	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots	19.19	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots	20.65	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots	30.15	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots	38.08	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots	49.08	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	19.47	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	23.13	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	23.21	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots	28.40	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	37.53	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	46.11	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	70.22	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	121.53	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots	22.38	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots	23.57	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots	24.46	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots	29.80	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots	37.06	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots	44.71	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots	61.89	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots	106.87	
27 16 19 00-0054	EA	3' Category 5E Patch Cables With Plastic Arch	17.75	
27 16 19 00-0055	EA	5' Category 5E Patch Cables With Plastic Arch	19.19	
27 16 19 00-0056	EA	7' Category 5E Patch Cables With Plastic Arch	20.65	
27 16 19 00-0057	EA	10' Category 5E Patch Cables With Plastic Arch	30.15	
27 16 19 00-0058	EA	15' Category 5E Patch Cables With Plastic Arch	38.08	
27 16 19 00-0059	EA	25' Category 5E Patch Cables With Plastic Arch	49.08	
27 16 19 00-0060	EA	3' Category 6 Patch Cables With Plastic Arch	19.47	
27 16 19 00-0061	EA	5' Category 6 Patch Cables With Plastic Arch	23.13	
27 16 19 00-0062	EA	7' Category 6 Patch Cables With Plastic Arch	23.21	
27 16 19 00-0063	EA	10' Category 6 Patch Cables With Plastic Arch	28.40	
27 16 19 00-0064	EA	15' Category 6 Patch Cables With Plastic Arch	37.53	
27 16 19 00-0065	EA	25' Category 6 Patch Cables With Plastic Arch	46.11	
27 16 19 00-0066	EA	3' Category 6A Patch Cables With Plastic Arch	34.38	
27 16 19 00-0067	EA	5' Category 6A Patch Cables With Plastic Arch	36.56	
27 16 19 00-0068	EA	7' Category 6A Patch Cables With Plastic Arch	38.19	
27 16 19 00-0069	EA	10' Category 6A Patch Cables With Plastic Arch	44.64	
27 16 19 00-0070	EA	15' Category 6A Patch Cables With Plastic Arch	54.61	
27 16 19 00-0071	EA	25' Category 6A Patch Cables With Plastic Arch	68.65	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001		Fiber Optic Modems *(27 21 16)*		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	2,346.47	319.95
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	4,479.68	319.95
27 21 16 00-0004		Ethernet Hubs and Switches *(27 21 16)*		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,338.56	240.41
27 21 16 00-0006	EA	16 Port Unmanaged Hub	714.20	160.27
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,910.48	160.27
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,762.54	80.14

27 21 26 Data Communications Network Management *(27 21)*

27 21 26 00-0001		Data Communications Network Management *(27 21 26)*		
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	730.68	39.99
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	564.92	39.99
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	783.91	39.99
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,223.04	39.99
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	114.87	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	542.19	24.00
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	918.22	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	5,770.89	512.88
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	4,267.53	512.88
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	20,451.19	191.97
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	619.48	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,717.20	191.97
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	29,394.23	191.97
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	689.95	16.03
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,045.29	20.00
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,376.31	20.00
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	81.24	8.01
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	282.23	79.99
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	4,137.58	191.97
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	815.08	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	29.17	8.01
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	348.10	20.00
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	855.16	20.04
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	127.27	8.01
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,792.90	191.97
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	818.34	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	732.83	20.00
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	744.24	20.00
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,692.61	191.97
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	406.86	20.04
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,882.19	20.04
27 21 26 00-0033	EA	Router (CISCO IR829)	1,708.96	80.14

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	111.73	8.00
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	122.84	8.00
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	144.33	8.00
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	150.94	8.00
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	165.81	10.00
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	156.41	8.00
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	196.27	10.00
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	73.31	10.00

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,242.32	239.96
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,460.19	239.96
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,460.19	239.96
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	2,109.73	239.96
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,446.77	256.89
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,699.24	256.89
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	10,136.35	256.89
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	10,136.35	256.89
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,089.81	85.63
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,118.67	85.63
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	208.34	42.81
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,793.22	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	671.85	79.99
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	562.22	79.99
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	106.70	32.00
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	86.09	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	51.55	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	371.79	79.99
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	373.92	79.99
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	499.02	80.14
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,228.65	120.20
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,558.61	120.20
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	94.21	24.00
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	348.09	85.63
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,079.04	85.63
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,205.74	80.14
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,659.18	79.99

27 50 Distributed Communications and Monitoring Systems *(27)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001 Video Intercom And Exterior Gate Control System *(27 51 17)*

27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,653.30	200.34
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,345.84	200.34
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	614.21	200.34
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,536.94	100.17
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,079.26	100.17
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	170.58	40.06
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,094.29	40.06
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,497.87	40.06
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	497.20	40.06
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	558.41	40.06
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	155.35	20.04
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	168.18	20.04
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	2,000.23	200.34
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	68.95	8.01
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	897.46	200.34
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	787.58	40.06
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	250.95	40.06
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	278.00	40.06
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	345.11	60.10
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	79.65	20.04

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Accessories *(27 51 43)*

27 51 43 00-0002	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,086.05	160.27
27 51 43 00-0003	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	277.16	39.99
27 51 43 00-0004	EA	Microphone Jack For Audio/Video System	136.51	40.06
27 51 43 00-0005	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	208.74	40.06
27 51 43 00-0006	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	373.58	40.06
27 51 43 00-0007	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	347.43	20.04
27 51 43 00-0008	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	771.18	20.04
27 51 43 00-0009	EA	Volume Control For Audio/Video System (Bogen AT10A)	131.17	40.06
27 51 43 00-0010	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	96.60	40.06

END OF SECTION 27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Security Door (Vindicator #192-30894-00)	1,930.06	333.55
28 15 11 13-0003	EA	Security Detector, Passive Infrared (Vindicator #316-30812-00)	2,436.18	433.54
28 15 11 13-0004	EA	Premise Security Control Unit (Vindicator #548-32004-01)	12,464.51	950.26
28 15 11 13-0005	EA	Access Manager Security Key Pad (Vindicator #548-31894-01)	5,867.65	809.80
28 15 11 13-0006	EA	ALS Duress Security Switch (Vindicator #192-30810-00)	1,589.25	442.97
28 15 11 13-0007	EA	Key Pad, Remote, (Security) Vindicator	4,266.55	666.95

28 15 19 Access Control Remote Devices *(28 15)*

28 15 19 13 Wireless Access Control Devices *(28 15 19)*

28 15 19 13-0001 Personnel Assistance System (PAS) *(28 15 19 13)*

Note: Owner supplied, contractor installed components as manufactured by Secure Systems Inc. (SSI). Excludes mounting hardware/material (anchor bolts, screws, threaded rod, beam clamps, blocking/plywood backer, etc.) and electrical components (boxes, conduit, wire, etc.). See CSI section 26 00 00 00-0000 for electrical components (boxes, conduit, wire, etc.).

28 15 19 13-0002	EA	BARD (Building Alarm Reporting Device), Labor Only	240.41	120.20
28 15 19 13-0003	EA	LARD (Local Alarm Reporting Device), Labor Only	160.27	80.14
28 15 19 13-0004	EA	LARD + (Local Alarm Reporting Device Plus), Labor Only	160.27	80.14
28 15 19 13-0005	EA	BASE (Central Base Receiving Station), Labor Only	240.41	120.20
28 15 19 13-0006	EA	R Base (Remote BASE), Labor Only	160.27	80.14
28 15 19 13-0007	EA	R Base + (Remote BASE Plus), Labor Only	160.27	80.14
28 15 19 13-0008	EA	DAD (Device Activated Detector), Labor Only	53.42	26.71
28 15 19 13-0009	EA	DAD Covers, Labor Only	160.27	80.14
28 15 19 13-0010	EA	EDAD (Exterior Device Activated Detector), Labor Only	80.14	40.06
28 15 19 13-0011	EA	EDAD Antenna (Directional Antenna), Labor Only	120.20	60.10
28 15 19 13-0012	EA	VHF/UHF Antenna, Labor Only	320.55	160.27
28 15 19 13-0013	EA	PT (Personal Activation Device (PAL) Tester), Labor Only	160.27	80.14

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	166.54	39.99
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	173.75	39.99
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	215.22	39.99

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	205.00	39.99
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	958.79	119.98
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	323.41	39.99

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	228.74	39.99
28 16 11 00-0014		Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	358.31	79.99
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	549.43	79.99
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	549.43	79.99
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	823.50	79.99
28 16 11 00-0019		Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0020		Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*		
28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	314.39	39.99
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,311.64	159.97
		For Flush Mount, Add	*223.13*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,586.03	179.97
		For Flush Mount, Add	*275.87*	
28 16 11 00-0027		RF Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand-Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	806.78	159.97
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	904.15	159.97
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	997.91	159.97
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,098.88	159.97
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,192.64	159.97
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,293.61	159.97
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,387.37	159.97
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	61.30	
		For >40 To 110, Deduct	*-3.07*	
		For >110, Deduct	*-6.13*	
		For Built In Proximity Tags, Add	*12.26*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	64.91	
		For >40 To 110, Deduct	*-3.25*	
		For >110, Deduct	*-6.49*	
		For Built In Proximity Tags, Add	*12.98*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	68.52	
		For >40 To 110, Deduct	*-3.43*	
		For >110, Deduct	*-6.85*	
		For Built In Proximity Tags, Add	*13.70*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	326.51	119.98
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 20' of coax cable.	600.58	119.98
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	550.09	119.98
28 16 11 00-0045		Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0047)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,491.95	159.97
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,618.16	159.97
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,906.66	159.97
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	914.96	159.97
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,118.59	159.97
28 16 11 00-0061		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	161.13	39.99
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	167.88	32.00
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)* Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	9.59	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	15.82	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	16.66	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	94.24	
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	122.85	
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	591.79	199.97
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	591.79	199.97
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	591.79	199.97
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	1,490.44	199.97
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	8.08	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.62	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	13.46	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	702.86	199.97
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	945.19	199.97
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) Note: For single gang electrical box mounting.	945.19	199.97
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) Note: Includes 12 Volt DC regulated power supply.	1,493.81	199.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	8,077.19	199.97
28 16 11 00-0091		**HID, Proximity Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0065)*		
28 16 11 00-0092		**HID, Proximity Cards** *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	21.76	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	27.82	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	28.49	
28 16 11 00-0096		**HID, Proximity Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	653.71	199.97
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	756.25	199.97
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	833.15	199.97
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	1,040.78	199.97
28 16 11 00-0101		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0102		**HID, Contactless Smart Cards** *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.81	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	16.17	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	21.16	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	11.45	
28 16 11 00-0107		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	667.04	199.97
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	889.17	199.97
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,388.99	199.97
28 16 11 00-0111		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	4,200.10	199.97
28 16 11 00-0113		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,698.15	199.97
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,427.69	199.97
28 16 11 00-0116		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,107.27	159.97
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,666.94	159.97
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,454.97	159.97
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,157.88	159.97
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,395.89	159.97
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,157.88	159.97
28 16 11 00-0123		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	512.23	63.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	937.75	63.19
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	468.95	63.19
28 16 11 00-0128		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	894.52	75.82
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,053.19	75.82
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	674.54	75.82
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	2,767.96	94.78
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,894.17	94.78
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,253.37	31.60
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,938.54	94.78
28 16 11 00-0137		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0138		**Magnetic Door Locks** *(28 16 11 00-0137)*		
28 16 11 00-0139		**300 Lb. Magnetic Door Locks** *(28 16 11 00-0138)*		
28 16 11 00-0140	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	749.08	159.97
28 16 11 00-0141		**600 Lb. Magnetic Door Locks** *(28 16 11 00-0138)*		
28 16 11 00-0142	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,046.59	159.97
		For LED Status Indicator And Signal Relay, Add	*90.83*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*181.66*	
		For Mortise Mount, Deduct	*-145.33*	
28 16 11 00-0143	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,535.22	159.97
		For LED Status Indicator And Signal Relay, Add	*151.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*303.82*	
28 16 11 00-0144		**1,200 Lb. Magnetic Door Locks** *(28 16 11 00-0138)*		
28 16 11 00-0145	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,091.67	159.97
		For LED Status Indicator And Signal Relay, Add	*177.50*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*231.52*	
28 16 11 00-0146	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,632.59	159.97
		For LED Status Indicator And Signal Relay, Add	*301.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*393.79*	
28 16 11 00-0147		**2,000 Lb. Shear Lock, Magnetic And Mechanical Locks** *(28 16 11 00-0138)* Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,140.35	159.97
28 16 11 00-0149		**Magnetic Gate Locks** *(28 16 11 00-0137)*		
28 16 11 00-0150		**600 Lb. Magnetic Gate Locks** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	600 Lb. Magnetic Gate Lock	868.08	159.97
28 16 11 00-0152		**1,200 Lb. Magnetic Gate Locks** *(28 16 11 00-0149)*		
28 16 11 00-0153	EA	1,200 Lb. Magnetic Gate Lock	1,032.16	159.97
		For LED Status Indicator And Signal Relay, Add	*89.03*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*178.05*	
		For Mortise Mount, Deduct	*-142.44*	
28 16 11 00-0154		**Magnetic Lock Power Supply And Chargers** *(28 16 11 00-0137)* Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	658.16	159.97
28 16 11 00-0156	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	821.64	159.97
28 16 11 00-0157	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	917.81	159.97
28 16 11 00-0158	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,138.98	159.97
28 16 11 00-0159		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0160	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	704.09	
28 16 11 00-0161	EA	7 Amperes, 12 Volt, Battery	88.64	
28 16 11 00-0162	EA	18 Amperes, 12 Volt, Battery	197.57	
28 16 11 00-0163	EA	Door Personality Module (Sensormatic RM-4)	764.11	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0164	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	328.53	79.99
28 16 11 00-0165	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	109.06	47.99
28 16 11 00-0166	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	820.16	32.00
28 16 11 00-0167	EA	Surge Suppressor (Tripp-Lite IBAR4)	124.96	8.01
28 16 11 00-0168	EA	Door Strike Relay (Altronix RBSN-TTL)	97.61	32.00
28 16 11 00-0169	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	586.93	
28 16 11 00-0170	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	797.74	199.97

28 16 11 00-0171 Access Controllers *(28 16 11)*

28 16 11 00-0172 Microterm Controller *(28 16 11 00-0171)*

28 16 11 00-0173	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,937.46	199.97
28 16 11 00-0174	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,375.38	119.98
28 16 11 00-0175	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	639.91	

28 16 11 00-0176 Miniterm Controller *(28 16 11 00-0171)*

28 16 11 00-0177	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,993.04	199.97
28 16 11 00-0178	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,238.14	119.98

28 16 11 00-0179 Super-2 Controller *(28 16 11 00-0171)*

28 16 11 00-0180	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,234.13	199.97
28 16 11 00-0181	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,512.82	119.98
28 16 11 00-0182	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	438.31	119.98

28 16 11 00-0183 Smarterm Controller *(28 16 11 00-0171)*

28 16 11 00-0184	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,222.16	239.96
28 16 11 00-0185	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,752.98	119.98
28 16 11 00-0186	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,865.92	119.98
28 16 11 00-0187	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,641.40	119.98
28 16 11 00-0188	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	2,060.31	119.98
28 16 11 00-0189	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	2,060.31	119.98

28 16 11 00-0190 Superterm-4 Controller *(28 16 11 00-0171)*

28 16 11 00-0191	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,748.94	239.96
28 16 11 00-0192	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,673.43	119.98

28 16 11 00-0193 Superterm-8 Controller *(28 16 11 00-0171)*

28 16 11 00-0194	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,679.44	399.94
28 16 11 00-0195	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,325.66	399.94
28 16 11 00-0196	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,283.98	119.98

28 16 11 00-0197 Turbo Superterm-4 Controller *(28 16 11 00-0171)*

28 16 11 00-0198	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,748.94	239.96
28 16 11 00-0199	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,673.43	119.98

28 16 11 00-0200 Turbo Superterm-8 Controller *(28 16 11 00-0171)*

28 16 11 00-0201	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,679.44	399.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,325.66	399.94
28 16 11 00-0203	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,283.98	119.98
28 16 11 00-0204	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,641.40	119.98
28 16 11 00-0205	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,227.80	119.98
28 16 11 00-0206	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	2,062.40	119.98
28 16 11 00-0207	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	2,062.40	119.98
28 16 11 00-0208	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	828.90	
28 16 11 00-0209		Intelligent Controller *(28 16 11 00-0171)*		
28 16 11 00-0210	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,485.95	119.98
28 16 11 00-0211	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,588.75	199.97
28 16 11 00-0212		Access Control Bundled System *(28 16 11)*		
28 16 11 00-0213	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	41,287.87	

28 20 Video Surveillance *(28)*

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*		
28 21 31 00-0002		Cameras And Accessories *(28 21 31 00-0001)*		
28 21 31 00-0003		Cameras *(28 21 31 00-0002)*		
28 21 31 00-0004		Compact, 1/3" Format Cameras *(28 21 31 00-0003)*		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	709.51	40.06
28 21 31 00-0007		Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	424.06	40.06
28 21 31 00-0009		Camerapaks *(28 21 31 00-0002)* Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0011		High Resolution Color, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	547.87	40.06
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	515.77	40.06
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	500.87	40.06
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	497.43	40.06
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	596.02	40.06
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	547.87	40.06
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	536.41	40.06
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	527.24	40.06
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	643.02	40.06
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	581.12	40.06
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	530.68	40.06
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	510.04	40.06
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	586.85	40.06
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	693.46	40.06
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	651.05	40.06
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	578.82	40.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	518.06	40.06
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	610.92	40.06
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	688.88	40.06
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	788.62	40.06
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	544.43	40.06
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	648.75	40.06
28 21 31 00-0041		High Resolution Day/Night, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0041)*		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,088.97	40.06
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	1,016.75	40.06
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	955.99	40.06
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,048.85	40.06
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,126.80	40.06
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,225.39	40.06
28 21 31 00-0050		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	982.36	40.06
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,086.68	40.06
28 21 31 00-0053		Compact Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0054		High Resolution Color, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0055		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0057		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	847.08	40.06
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	814.98	40.06
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	798.93	40.06
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	795.49	40.06
28 21 31 00-0062		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	894.08	40.06
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	847.08	40.06
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	835.62	40.06
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	826.45	40.06
28 21 31 00-0067		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0068		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	942.23	40.06
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	879.18	40.06
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	829.89	40.06
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	809.25	40.06
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	884.91	40.06
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	934.21	40.06
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	1,051.14	40.06
28 21 31 00-0076		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	991.53	40.06
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	950.26	40.06
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	878.03	40.06
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	816.13	40.06
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	910.13	40.06
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	988.09	40.06
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,086.68	40.06
28 21 31 00-0084		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	843.64	40.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0086	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	947.96	40.06
28 21 31 00-0087		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0088		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0089		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0090	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	847.08	40.06
28 21 31 00-0091	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	636.14	40.06
28 21 31 00-0092	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	620.09	40.06
28 21 31 00-0093	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	616.66	40.06
28 21 31 00-0094		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0095	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	715.25	40.06
28 21 31 00-0096	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	668.24	40.06
28 21 31 00-0097	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	656.78	40.06
28 21 31 00-0098	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	656.78	40.06
28 21 31 00-0099		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0100		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0101	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	763.39	40.06
28 21 31 00-0102	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	700.34	40.06
28 21 31 00-0103	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	651.05	40.06
28 21 31 00-0104	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	630.41	40.06
28 21 31 00-0105	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	706.07	40.06
28 21 31 00-0106	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	755.37	40.06
28 21 31 00-0107	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	872.30	40.06
28 21 31 00-0108		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0109	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	812.69	40.06
28 21 31 00-0110	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	771.42	40.06
28 21 31 00-0111	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	698.05	40.06
28 21 31 00-0112	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	637.29	40.06
28 21 31 00-0113	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	731.30	40.06
28 21 31 00-0114	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	809.25	40.06
28 21 31 00-0115	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	907.84	40.06
28 21 31 00-0116		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	664.80	40.06
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	769.13	40.06
28 21 31 00-0119		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0120		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0121		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	782.88	40.06
28 21 31 00-0123		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	881.47	40.06
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	833.32	40.06
28 21 31 00-0126		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0127		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	816.13	40.06
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	795.49	40.06
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	921.60	40.06
28 21 31 00-0131		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	936.50	40.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	864.28	40.06
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	803.52	40.06
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	896.38	40.06
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	974.33	40.06
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,074.07	40.06
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	829.89	40.06
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	934.21	40.06
28 21 31 00-0141		Camera Systems *(28 21 31 00-0002)*		
28 21 31 00-0142		Camera Dome Systems *(28 21 31 00-0141)*		
28 21 31 00-0143		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0146		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,493.56	240.41
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,963.58	240.41
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,174.52	240.41
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,751.97	240.41
28 21 31 00-0151		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,960.48	240.41
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,197.79	240.41
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,409.87	240.41
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,531.39	240.41
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,531.39	240.41
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,695.33	240.41
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,166.50	240.41
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,378.58	240.41
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,500.10	240.41
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,500.10	240.41
28 21 31 00-0162		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,283.43	240.41
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,754.60	240.41
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,966.68	240.41
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	5,088.20	240.41
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	5,088.20	240.41
28 21 31 00-0168		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,898.24	240.41
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	4,136.69	240.41
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,347.63	240.41
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,469.15	240.41
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,469.15	240.41
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,669.77	240.41
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	5,044.64	240.41
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,255.58	240.41
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,377.09	240.41
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,377.09	240.41
28 21 31 00-0179		Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0180		Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,816.84	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	4,020.90	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,183.69	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,714.48	240.41
		For Protective Lower Dome Cage, Add	*34.65*	

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28 21 31 00-0185	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,918.53	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	5,082.47	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0187		Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0188	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,754.60	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0189	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,958.66	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0190	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	5,122.59	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0191	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,592.62	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,795.53	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,959.47	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0194		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0195		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0194)*		
28 21 31 00-0196	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,259.82	240.41
28 21 31 00-0197	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	7,097.84	240.41
28 21 31 00-0198		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0199		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0200	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,455.05	240.41
28 21 31 00-0201		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0202	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,760.33	240.41
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,659.11	240.41
28 21 31 00-0204		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	6,247.21	240.41
28 21 31 00-0206		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,699.23	240.41
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,536.10	240.41
28 21 31 00-0209		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0210		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0209)*		
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	2,242.84	240.41
28 21 31 00-0212		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0214		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	4,054.15	240.41
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	4,266.23	240.41
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,387.75	240.41
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,387.75	240.41
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	5,022.86	240.41
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	5,234.94	240.41
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,356.46	240.41

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28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,356.46	240.41
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,610.96	240.41
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,823.04	240.41
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,944.56	240.41
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,944.56	240.41
28 21 31 00-0228		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0229		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,673.20	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,877.26	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	5,040.05	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,570.84	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,774.90	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,938.83	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236		Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,610.96	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,815.02	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,978.95	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,448.98	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,651.89	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,815.83	240.41
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0244		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,616.69	240.41
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,515.47	240.41
28 21 31 00-0247		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,103.57	240.41
28 21 31 00-0249		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,555.59	240.41
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,392.47	240.41
28 21 31 00-0252		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0253		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0252)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0254	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,795.40	240.41
28 21 31 00-0255		**Spectra®, Pan/Tilt Dome Drives** *(28 21 31 00-0143)* Note: Includes dome drive, camera and lens.		
28 21 31 00-0256	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	2,076.73	200.34
28 21 31 00-0257	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,627.00	200.34
28 21 31 00-0258	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,306.81	200.34
28 21 31 00-0259	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,612.10	200.34
28 21 31 00-0260	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,509.73	200.34
28 21 31 00-0261	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,549.85	200.34
28 21 31 00-0262	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	4,097.83	200.34
28 21 31 00-0263	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,387.87	200.34
28 21 31 00-0264	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,387.87	200.34
28 21 31 00-0265		**Accessories For Spectra® Pan/Tilt Camera Dome Systems** *(28 21 31 00-0143)*		
28 21 31 00-0266	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0267	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0268	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	182.21	20.04
28 21 31 00-0269	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	449.32	20.04
28 21 31 00-0270	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	177.63	20.04
28 21 31 00-0271	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	312.34	20.04
28 21 31 00-0272	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	123.24	11.92
28 21 31 00-0273		**Camclosure®, Camera Dome Systems** *(28 21 31 00-0142)*		
28 21 31 00-0274		**Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0273)*		
28 21 31 00-0275		**Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0274)*		
28 21 31 00-0276		**High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0277	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	887.79	240.41
28 21 31 00-0278	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	956.58	240.41
28 21 31 00-0279	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	1,054.02	240.41
28 21 31 00-0280	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	1,054.02	240.41
28 21 31 00-0281		**Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0282	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	1,066.63	240.41
28 21 31 00-0283	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,156.05	240.41
28 21 31 00-0284	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	1,156.05	240.41
28 21 31 00-0285		**Day/Night, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0286	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,211.08	240.41
28 21 31 00-0287	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,432.33	240.41
28 21 31 00-0288	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,432.33	240.41
28 21 31 00-0289		**Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0290	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,316.55	240.41
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,458.70	240.41
28 21 31 00-0292		**Camclosure® IS Integrated, Bullet Style Camera Systems** *(28 21 31 00-0274)*		
28 21 31 00-0293		**High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems** *(28 21 31 00-0292)*		
28 21 31 00-0294	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	944.19	160.27
28 21 31 00-0295		**Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems** *(28 21 31 00-0292)*		
28 21 31 00-0296	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	1,073.73	160.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,176.91	160.27
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,228.50	160.27
28 21 31 00-0301		Camclosure® IS Integrated Cameras *(28 21 31 00-0274)*		
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	680.52	160.27
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	680.52	160.27
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	782.55	160.27
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	1,058.83	160.27
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	1,085.20	160.27
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0307)*		
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	774.30	240.41
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	823.59	240.41
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	1,020.77	240.41
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	1,020.77	240.41
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0315	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,242.03	240.41
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0317		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0316)*		
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	860.50	160.27
28 21 31 00-0319		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0320		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,156.05	240.41
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,259.23	240.41
28 21 31 00-0324		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,388.77	240.41
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,440.36	240.41
28 21 31 00-0328		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0328)*		
28 21 31 00-0330		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	2,008.97	240.41
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	2,008.97	240.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0333		**Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0334	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,151.12	240.41
28 21 31 00-0335	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,151.12	240.41
28 21 31 00-0336		**Day/Night, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0337	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,370.09	240.41
28 21 31 00-0338	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,370.09	240.41
28 21 31 00-0339		**Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0340	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,524.85	240.41
28 21 31 00-0341	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,524.85	240.41
28 21 31 00-0342		**Accessories For Camclosure® Camera Dome Systems** *(28 21 31 00-0273)*		
28 21 31 00-0343	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	44.68	12.02
28 21 31 00-0344	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	44.68	12.02
28 21 31 00-0345	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	60.70	20.04
28 21 31 00-0346	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	92.79	20.04
28 21 31 00-0347	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	92.82	12.02
28 21 31 00-0348	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	92.79	20.04
28 21 31 00-0349	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	115.72	20.04
28 21 31 00-0350	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	304.83	40.06
28 21 31 00-0351	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	304.83	40.06
28 21 31 00-0352	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	304.83	40.06
28 21 31 00-0353	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	304.83	40.06
28 21 31 00-0354	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	109.99	20.04
28 21 31 00-0355	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	131.73	40.06
28 21 31 00-0356	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	131.73	40.06
28 21 31 00-0357	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	131.73	40.06
28 21 31 00-0358	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	131.73	40.06
28 21 31 00-0359	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	131.73	40.06
28 21 31 00-0360	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	131.73	40.06
28 21 31 00-0361	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	380.54	54.73
28 21 31 00-0362	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	80.18	20.04
28 21 31 00-0363	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	131.77	20.04
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	80.18	20.04
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	131.77	20.04
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,879.43	240.41
28 21 31 00-0367		**Pan/Tilt Camera Systems** *(28 21 31 00-0141)*		
28 21 31 00-0368		**Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)* Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369		**EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0368)*		
28 21 31 00-0370		**Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0369)*		
28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	5,207.10	360.61
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,896.09	360.61
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,851.04	360.61
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,354.99	360.61
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	6,074.93	360.61
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	7,029.88	360.61
28 21 31 00-0377		**Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0369)*		
28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	5,254.11	360.61
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,943.09	360.61
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,898.04	360.61
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,403.14	360.61
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	6,121.93	360.61

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28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	7,076.88	360.61
28 21 31 00-0384		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0385		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0384)*		
28 21 31 00-0386		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	5,385.94	360.61
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	6,074.93	360.61
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	7,029.88	360.61
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,533.83	360.61
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	6,253.77	360.61
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	7,208.72	360.61
28 21 31 00-0393		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	5,432.94	360.61
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	6,121.93	360.61
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	7,076.88	360.61
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,581.98	360.61
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	6,300.77	360.61
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	7,255.72	360.61
28 21 31 00-0400		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0401		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0400)*		
28 21 31 00-0402		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	5,086.73	360.61
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,775.72	360.61
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,730.67	360.61
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	5,235.76	360.61
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,954.56	360.61
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,909.51	360.61
28 21 31 00-0409		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,134.88	360.61
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,822.72	360.61
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,778.82	360.61
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	5,168.13	360.61
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,282.77	360.61
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	6,001.56	360.61
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,957.66	360.61
28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0417)*		
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	6,061.17	360.61
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	7,016.12	360.61
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,521.22	360.61
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	6,240.01	360.61
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	7,194.96	360.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0425		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	5,420.33	360.61
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	6,108.17	360.61
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	7,064.27	360.61
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,568.22	360.61
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	6,287.01	360.61
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	7,243.11	360.61
28 21 31 00-0432		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0433		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0432)*		
28 21 31 00-0434		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	7,168.59	360.61
28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,672.54	360.61
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	7,347.43	360.61
28 21 31 00-0438		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,571.66	360.61
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	7,216.74	360.61
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,720.69	360.61
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	6,439.48	360.61
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	7,395.58	360.61
28 21 31 00-0444		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0445		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0446		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	6,052.00	360.61
28 21 31 00-0448		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	6,099.00	360.61
28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	7,168.59	360.61
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,934.73	360.61
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,869.04	360.61
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	7,214.45	360.61
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,934.73	360.61
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,920.63	360.61
28 21 31 00-0459		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0460		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0459)*		
28 21 31 00-0461		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,677.47	360.61
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,795.21	360.61
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,564.78	360.61
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,292.74	360.61
28 21 31 00-0466		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,723.32	360.61
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,842.21	360.61
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,611.78	360.61
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,344.33	360.61

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0471)*		
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,503.90	360.61
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,719.90	360.61
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,463.91	360.61
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,552.05	360.61
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,766.90	360.61
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,510.91	360.61
28 21 31 00-0481		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	14.09	4.01
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	80.18	20.04
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	121.45	20.04
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	152.41	20.04
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	460.79	54.73
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	632.30	54.73
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	544.48	54.73
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	726.94	54.73
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	429.84	54.73
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	1,022.47	54.73
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,623.24	54.73
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,922.45	54.73
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,990.09	54.73
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,096.70	54.73
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,543.26	54.73
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,572.91	54.73
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,601.37	54.73
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,493.15	54.73
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,671.99	54.73
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	125.43	12.89
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	125.43	12.89
28 21 31 00-0503		Camera Lenses *(28 21 31 00-0002)*		
28 21 31 00-0504		Fixed Focus Camera Lenses *(28 21 31 00-0503)* Note: 1/3" format and manual focus.		
28 21 31 00-0505		Manual Iris, Fixed Focus Camera Lenses *(28 21 31 00-0504)*		
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	199.03	18.80
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	166.93	18.80
28 21 31 00-0508	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	150.88	18.80
28 21 31 00-0509	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	147.44	18.80
28 21 31 00-0510		Direct Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0504)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	246.03	18.80
28 21 31 00-0512	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	199.03	18.80
28 21 31 00-0513	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	187.57	18.80
28 21 31 00-0514	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	137.13	18.80
28 21 31 00-0515		Video Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0504)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	288.45	18.80
28 21 31 00-0517	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	240.30	18.80
28 21 31 00-0518	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	228.84	18.80
28 21 31 00-0519	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	219.67	18.80
28 21 31 00-0520		Varifocal Camera Lenses *(28 21 31 00-0503)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521		Manual Iris, Varifocal Camera Lenses *(28 21 31 00-0520)*		
28 21 31 00-0522	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	261.17	18.80
28 21 31 00-0523	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	231.13	18.80
28 21 31 00-0524	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	181.84	18.80
28 21 31 00-0525	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	161.20	18.80
28 21 31 00-0526	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	403.09	18.80
28 21 31 00-0527	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	206.38	18.80
28 21 31 00-0528	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	218.83	18.80
28 21 31 00-0529		Direct Drive Auto Iris, Varifocal Camera Lenses *(28 21 31 00-0520)* Note: Includes spot filter.		
28 21 31 00-0530	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	257.02	18.80
28 21 31 00-0531	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	228.79	18.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0532	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	178.99	18.80
28 21 31 00-0533	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	137.48	18.80
28 21 31 00-0534	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	438.63	18.80
28 21 31 00-0535	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	254.53	18.80
28 21 31 00-0536		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
		Note: Includes spot filter.		
28 21 31 00-0537	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	385.89	18.80
28 21 31 00-0538	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	343.48	18.80
28 21 31 00-0539	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	210.50	18.80
28 21 31 00-0540	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	381.31	18.80
28 21 31 00-0541		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0542	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	156.57	18.80
28 21 31 00-0543	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	227.13	18.80
28 21 31 00-0544		**Motorized Zoom Camera Lenses** *(28 21 31 00-0503)*		
		Note: 1/3" format.		
28 21 31 00-0545		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
28 21 31 00-0546	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	691.98	18.80
28 21 31 00-0547	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	861.65	18.80
28 21 31 00-0548	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	917.82	18.80
28 21 31 00-0549		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
		Note: Includes spot filter.		
28 21 31 00-0550	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	576.62	18.80
28 21 31 00-0551	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	663.78	18.80
28 21 31 00-0552	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	1,012.98	18.80
28 21 31 00-0553	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,126.99	18.80
28 21 31 00-0554	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,220.28	18.80
28 21 31 00-0555		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
		Note: Includes spot filter.		
28 21 31 00-0556	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	709.18	18.80
28 21 31 00-0557	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	842.16	18.80
28 21 31 00-0558	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,055.39	18.80
28 21 31 00-0559	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,531.15	18.80
28 21 31 00-0560	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,486.10	18.80
28 21 31 00-0561		**Camera Power Supplies** *(28 21 31 00-0002)*		
28 21 31 00-0562	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	52.70	16.03
28 21 31 00-0563	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	87.09	16.03
28 21 31 00-0564	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	333.90	32.06
28 21 31 00-0565	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	390.86	48.08
28 21 31 00-0566	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	445.33	64.11
		For Switchable Outputs, Add	*190.27*	
28 21 31 00-0567	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	502.28	80.14
		For Switchable Outputs, Add	*205.21*	
28 21 31 00-0568		**Camera Illuminators** *(28 21 31 00-0002)*		
28 21 31 00-0569		**Camera Illuminators** *(28 21 31 00-0568)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,820.39	32.06
28 21 31 00-0571	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,820.39	32.06
28 21 31 00-0572	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,820.39	32.06
28 21 31 00-0573		**Camera Illuminator Accessories** *(28 21 31 00-0568)*		
28 21 31 00-0574	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	161.55	32.06
28 21 31 00-0575		**Camera Receivers** *(28 21 31 00-0002)*		
28 21 31 00-0576	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,792.91	54.73
28 21 31 00-0577	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,792.91	54.73
28 21 31 00-0578		**Pan And Tilt Drives** *(28 21 31 00-0002)*		
28 21 31 00-0579	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,287.07	120.20
28 21 31 00-0580	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,621.82	120.20
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0581	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,378.11	120.20
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0582	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,853.86	120.20
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0583	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,452.28	120.20
		For Preset Positioning, Add	*165.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,724.79	120.20
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585		**Scanners** *(28 21 31 00-0002)*		
28 21 31 00-0586	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,462.47	120.20
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0587	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,534.70	120.20
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0588		**Camera Monitors** *(28 21 31 00-0001)*		
28 21 31 00-0589		**Camera Monitors** *(28 21 31 00-0588)*		
28 21 31 00-0590		**Monochrome Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	285.38	24.04
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	325.51	24.04
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	495.18	24.04
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	792.09	24.04
28 21 31 00-0595		**Color Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	892.98	24.04
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	725.60	24.04
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,051.18	24.04
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,395.10	24.04
28 21 31 00-0600		**LCD Camera Monitors** *(28 21 31 00-0588)*		
28 21 31 00-0601		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	1,008.76	24.04
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,311.41	24.04
28 21 31 00-0604		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,146.33	24.04
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,371.03	24.04
28 21 31 00-0607	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,685.14	24.04
28 21 31 00-0608		**Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,469.62	24.04
28 21 31 00-0610	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,703.48	24.04
28 21 31 00-0611	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,135.67	24.04
28 21 31 00-0612		**Camera Monitor Mounting Accessories** *(28 21 31 00-0588)*		
28 21 31 00-0613		**Camera Monitor Mounts** *(28 21 31 00-0612)*		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco)	350.71	32.06
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco)	406.88	32.06
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco)	475.67	32.06
28 21 31 00-0617		**Camera Monitor Rack Mount Kits** *(28 21 31 00-0612)*		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	216.58	32.06
28 21 31 00-0619		**Video Transmission Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0620		**UTP Cable, Video Transmission Equipment** *(28 21 31 00-0619)*		
28 21 31 00-0621		**UTP Cable, Active Video Receivers** *(28 21 31 00-0620)*		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	441.26	40.06
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,487.92	40.06
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,915.19	40.06
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,780.38	40.06
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,579.42	40.06
28 21 31 00-0627		**UTP Cable, Passive Video Transceivers** *(28 21 31 00-0620)*		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	138.61	40.06
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	441.26	40.06
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	803.52	40.06
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,516.58	40.06
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,954.16	40.06

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28 21 31 00-0633		UTP Cable, Active Video Transmitters *(28 21 31 00-0620)*		
28 21 31 00-0634	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	460.74	40.06
28 21 31 00-0635		Fiber Optics, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0636		Data Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0637		Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0636)*		
28 21 31 00-0638	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,622.74	80.14
28 21 31 00-0639	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,088.85	80.14
28 21 31 00-0640	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,924.58	80.14
28 21 31 00-0641	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,336.48	80.14
28 21 31 00-0642		Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0636)*		
28 21 31 00-0643	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,622.74	80.14
28 21 31 00-0644	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,088.85	80.14
28 21 31 00-0645	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,924.58	80.14
28 21 31 00-0646	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,336.48	80.14
28 21 31 00-0647		Video Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0648		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 31 00-0647)*		
28 21 31 00-0649	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,180.57	80.14
28 21 31 00-0650	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	531.70	80.14
28 21 31 00-0651	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,220.01	80.14
28 21 31 00-0652	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,947.51	80.14
28 21 31 00-0653	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,256.02	80.14
28 21 31 00-0654	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,375.58	80.14
28 21 31 00-0655	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	13,005.68	80.14
28 21 31 00-0656	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,578.41	80.14
28 21 31 00-0657		Digitally Encoded Video, Fiber Optics Receivers *(28 21 31 00-0647)*		
28 21 31 00-0658	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,180.57	80.14
28 21 31 00-0659	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	531.70	80.14
28 21 31 00-0660	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,994.51	80.14
28 21 31 00-0661	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	826.33	80.14
28 21 31 00-0662	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,220.01	80.14
28 21 31 00-0663	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,947.51	80.14
28 21 31 00-0664	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,256.02	80.14
28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,375.58	80.14
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	13,005.68	80.14
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,578.41	80.14
28 21 31 00-0668		Video And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0669		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0668)*		
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	2,014.00	80.14
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,212.67	80.14
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,649.57	80.14
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	4,029.37	80.14
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,507.55	80.14
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,450.91	80.14
28 21 31 00-0676		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0668)*		
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	2,014.00	80.14
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,212.67	80.14
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,649.57	80.14
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	4,029.37	80.14
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,507.55	80.14
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,450.91	80.14
28 21 31 00-0683		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0684		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 31 00-0683)*		

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28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,586.05	80.14
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,063.29	80.14
28 21 31 00-0687		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers** *(28 21 31 00-0683)*		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,586.05	80.14
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,063.29	80.14
28 21 31 00-0690		**Video Amplifiers** *(28 21 31 00-0619)*		
28 21 31 00-0691		**Video Distribution Amplifiers** *(28 21 31 00-0690)*		
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	323.22	20.04
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,574.75	20.04
28 21 31 00-0694		**Video Equalizing Amplifiers** *(28 21 31 00-0690)*		
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010)	350.73	20.04
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	546.77	20.04
28 21 31 00-0697		**Network Video Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0698		**Video Encoders/Decoders** *(28 21 31 00-0697)*		
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,302.08	40.06
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,302.08	40.06
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,494.68	40.06
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,494.68	40.06
28 21 31 00-0703		**Network Video Recorders** *(28 21 31 00-0697)*		
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,100.24	80.14
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,422.04	80.14
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,067.93	80.14
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	8,000.50	80.14
28 21 31 00-0708		**Network Video Recorder Software** *(28 21 31 00-0697)*		
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,212.22	
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,655.88	
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,093.59	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	8,011.26	
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,454.92	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,890.34	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,745.30	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,190.10	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,626.67	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,075.12	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,518.78	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,956.49	
28 21 31 00-0731		**Video Recording Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0732		**Digital Video Recorders** *(28 21 31 00-0731)*		
28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,668.64	80.14
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,362.00	80.14
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,056.51	80.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0736	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,246.89	80.14
28 21 31 00-0737	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,940.26	80.14
28 21 31 00-0738	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,634.76	80.14
28 21 31 00-0739	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,664.99	80.14
28 21 31 00-0740	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,358.35	80.14
28 21 31 00-0741	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	26,052.86	80.14
28 21 31 00-0742	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,243.24	80.14
28 21 31 00-0743	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,936.61	80.14
28 21 31 00-0744	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,631.11	80.14
28 21 31 00-0745	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,981.61	80.14
28 21 31 00-0746		Digital Video Recorder Accessories *(28 21 31 00-0731)*		
28 21 31 00-0747	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,260.81	40.06
28 21 31 00-0748		Matrix Systems And Controls *(28 21 31 00-0001)*		
28 21 31 00-0749		Video Multiplexers *(28 21 31 00-0748)*		
28 21 31 00-0750		Monochrome Duplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0751	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,354.48	80.14
28 21 31 00-0752	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,227.23	80.14
28 21 31 00-0753		Color Duplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0754	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,601.29	80.14
28 21 31 00-0755	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	3,023.98	80.14
28 21 31 00-0756	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,275.04	80.14
28 21 31 00-0757		Color Simplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0758	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,547.07	80.14
28 21 31 00-0759	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,968.95	80.14
28 21 31 00-0760		Video Multiplexer Accessories *(28 21 31 00-0749)*		
28 21 31 00-0761	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,429.50	54.73
28 21 31 00-0762	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	858.59	54.73
28 21 31 00-0763	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,354.48	80.14
28 21 31 00-0764		Quad Video Processor *(28 21 31 00-0748)*		
28 21 31 00-0765	EA	Monochrome, Quad Video Processor (Pelco QD104M)	734.73	40.06
28 21 31 00-0766	EA	Color, Quad Video Processor (Pelco QD104C)	1,193.29	40.06
28 21 31 00-0767		Switcher *(28 21 31 00-0748)*		
28 21 31 00-0768		Terminating Manual Switchers *(28 21 31 00-0767)*		
28 21 31 00-0769		Terminating Manual Switchers *(28 21 31 00-0768)*		
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	262.44	32.06
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	351.86	32.06
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	425.23	32.06
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	687.75	32.06
28 21 31 00-0774		Audio Follow, Terminating Manual Switchers *(28 21 31 00-0768)*		
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	335.81	32.06
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	582.28	32.06
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	1,007.60	32.06
28 21 31 00-0778		Balanced Audio Follow, Terminating Manual Switchers *(28 21 31 00-0768)*		
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	444.71	32.06
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	804.68	32.06
28 21 31 00-0781		Looping Manual Switchers *(28 21 31 00-0767)*		
28 21 31 00-0782		Looping Manual Switchers *(28 21 31 00-0781)*		
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	292.24	32.06
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	396.57	32.06
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	502.03	32.06
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	819.59	32.06
28 21 31 00-0787		Audio Follow, Looping Manual Switchers *(28 21 31 00-0781)*		
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	361.03	32.06
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	621.26	32.06
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	848.25	32.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0791		Balanced Audio Follow, Looping Manual Switchers *(28 21 31 00-0781)*		
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	475.67	32.06
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	851.69	32.06
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,068.36	32.06
28 21 31 00-0795		Sequential Switchers *(28 21 31 00-0767)*		
28 21 31 00-0796		Single Output, Sequential Switchers *(28 21 31 00-0795)*		
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	503.18	32.06
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	743.93	32.06
28 21 31 00-0799		Dual Outputs, Sequential Switchers *(28 21 31 00-0795)*		
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	625.85	32.06
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	862.00	32.06
28 21 31 00-0802		Controls *(28 21 31 00-0748)*		
28 21 31 00-0803		Direct/Multi-Cable Controls *(28 21 31 00-0802)*		
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	453.75	80.14
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	482.41	80.14
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	531.70	80.14
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	554.63	80.14
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	857.28	80.14
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	940.97	80.14
28 21 31 00-0810		Coaxitron Controls *(28 21 31 00-0802)*		
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	645.36	54.73
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,185.32	54.73
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,340.08	54.73
28 21 31 00-0814		Digital Controls *(28 21 31 00-0802)*		
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	852.86	54.73
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,418.03	54.73
28 21 31 00-0817		Lock Boxes *(28 21 31 00-0748)*		
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000)	520.29	60.10
		For Wall Mount, Add	*165.00*	
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000)	531.76	60.10
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000)	955.93	60.10
		Note: Includes storage for 32 VCR tapes.		
28 21 31 00-0821		Test And Certification Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0822	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	1,271.00	
28 21 31 00-0823	HR	Test And Certification Of Surveillance Camera System	397.19	
28 21 31 00-0824		Programming Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0825	HR	Programming Of Surveillance Camera (CCTV) System	317.75	
28 21 31 00-0826		Removal And Reinstallation Of Cameras *(28 21 31)*		
		Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827	EA	Removal And Reinstallation Of Camera System	721.24	

28 40 Life Safety *(28)*

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001		Monitoring System For Underground Tanks *(28 42 11)*		
28 42 11 00-0002		Continuous Leak Detection System *(28 42 11 00-0001)*		
		Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	9,390.90	655.91
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	12,666.49	875.07
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	17,805.12	937.47
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	19,217.63	1,311.81
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	13,189.31	111.98
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	11,893.68	99.98
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	15,632.26	111.98
28 42 11 00-0010	EA	Tank Leak Detection Probe	4,834.77	24.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0011	EA	Secondary Containment Collar Probe	592.79	9.59
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	1,087.45	20.00
28 42 11 00-0013	EA	Liquid Phase Detection	3,586.44	59.99
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,312.24	59.99
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	3,868.21	67.99
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,416.63	67.99

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001 Hydrogen Gas Detection *(28 42 15)*

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,100.84	60.10
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	117.52	20.04
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	551.74	60.10

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001 Edwards Fire Alarm *(28 46 13 31)*

28 46 13 31-0002 EST3 Life Safety And Security Control *(28 46 13 31-0001)*

28 46 13 31-0003 EST3 Network *(28 46 13 31-0002)*

28 46 13 31-0004 Remote Annunciators *(28 46 13 31-0003)*

28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,725.42	120.20
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,414.76	120.20
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,777.00	120.20
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,149.59	120.20
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	218.49	40.06
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	755.77	120.20
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	687.28	120.20
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	846.58	120.20
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	963.41	80.14
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	156.82	40.06
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	2,034.74	120.20
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,770.02	40.06

28 46 13 31-0017 Remote Annunciators Cabinets *(28 46 13 31-0003)*

28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	167.85	40.06
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	151.82	32.06
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	187.32	40.06
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	171.29	32.06
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	205.58	40.06
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	189.55	32.06

28 46 13 31-0024 Audio And Telephone Masters *(28 46 13 31-0003)*

28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,533.15	160.27
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	3,108.75	160.27
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,786.81	160.27
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,942.06	160.27
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,351.12	160.27
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,702.95	80.14

28 46 13 31-0031 Battery Distribution Unit *(28 46 13 31-0003)*

28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	666.05	505.77

28 46 13 31-0033 Remote Booster Power Supply *(28 46 13 31-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	998.14	120.20
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,132.96	120.20
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,232.30	120.20
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	171.12	40.06
28 46 13 31-0038		**Batteries And Battery Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 1.2 Ampere Hours)	134.09	40.06
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A 4.5 Ampere Hours)	163.38	40.06
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A 26 Ampere Hours)	365.45	40.06
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 7.2 Ampere Hours)	175.11	40.06
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A 40 Ampere Hours)	459.26	40.06
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A 11 Ampere Hours)	265.07	40.06
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A 50 Ampere Hours)	916.29	40.06
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A 18 Ampere Hours)	271.11	40.06
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A 65 Amp Hours)	1,100.06	40.06
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A 8 Amp Hours)	157.67	40.06
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A 12 Amp Hours)	143.04	40.06
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	487.03	80.14
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	408.15	80.14
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,351.06	160.27
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,661.62	160.27
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,305.61	160.27
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	888.76	40.06
28 46 13 31-0057		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0058		**Detectors, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	296.86	60.10
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	330.95	60.10
28 46 13 31-0061	EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS)	286.70	60.10
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	256.23	60.10
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	266.39	60.10
28 46 13 31-0064	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	222.25	60.10
28 46 13 31-0065	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	222.25	60.10
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	340.02	60.10
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	373.30	60.10
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	318.23	60.10
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	450.31	60.10
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	268.93	60.10
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	268.93	60.10
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	362.61	60.10
28 46 13 31-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	592.83	100.17
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	28.47	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	81.89	24.04
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	156.97	32.06
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	208.53	32.06
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	98.15	32.06
28 46 13 31-0080		**Detectors, Smoke, Beam** *(28 46 13 31-0057)*		
28 46 13 31-0081	EA	Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	198.33	
28 46 13 31-0082	EA	Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01) Note: Includes controller and remote mount transmitter and receiver head.	2,322.20	60.10
28 46 13 31-0083	EA	Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00)	144.70	20.04
28 46 13 31-0084	EA	Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01)	170.79	20.04
28 46 13 31-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R)	2,385.59	60.10
28 46 13 31-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R)	2,037.07	60.10
28 46 13 31-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	475.81	20.04
28 46 13 31-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R)	2,511.72	60.10
28 46 13 31-0089		**Modules, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	273.75	40.06
28 46 13 31-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	129.36	40.06
28 46 13 31-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	163.69	40.06
28 46 13 31-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	246.57	40.06
28 46 13 31-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	176.64	40.06
28 46 13 31-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	183.76	40.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	147.49	40.06
28 46 13 31-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	216.17	40.06
28 46 13 31-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	284.08	40.06
28 46 13 31-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	277.26	40.06
28 46 13 31-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	267.10	40.06
28 46 13 31-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	246.04	205.96
28 46 13 31-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	183.79	40.06
28 46 13 31-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	285.19	40.06
28 46 13 31-0104		**Module Accessories, Signature** *(28 46 13 31-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	74.18	20.04
28 46 13 31-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	243.28	40.06
28 46 13 31-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	29.12	12.02
28 46 13 31-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	85.94	20.04
28 46 13 31-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	77.50	20.04
28 46 13 31-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	80.83	20.04
28 46 13 31-0111		**Single Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	313.25	83.34
28 46 13 31-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	364.21	83.34
28 46 13 31-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2)	41.91	33.89
28 46 13 31-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	51.72	43.70
28 46 13 31-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	86.12	54.07
28 46 13 31-0117		**Double Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	237.34	83.34
28 46 13 31-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	52.45	8.01
28 46 13 31-0120		**Detector Bases and Accessories, Signature** *(28 46 13 31-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0121	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	149.56	20.04
28 46 13 31-0122	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	60.54	20.04
28 46 13 31-0123	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	184.92	20.04
28 46 13 31-0124	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	108.14	20.04
28 46 13 31-0125	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	125.11	20.04
28 46 13 31-0126	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	193.04	20.04
28 46 13 31-0127	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	74.18	20.04
28 46 13 31-0128	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	29.26	12.02
28 46 13 31-0129	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	29.26	12.02
28 46 13 31-0130	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	75.14	12.02
28 46 13 31-0131	EA	Detector Base With Isolator (EST3 SIGA-IB)	123.39	20.04
28 46 13 31-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	130.67	20.04
28 46 13 31-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	73.74	20.04
28 46 13 31-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	110.70	20.04
28 46 13 31-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	51.07	20.04
28 46 13 31-0136		**Controllers, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,970.08	120.20
28 46 13 31-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,295.74	120.20
28 46 13 31-0139	EA	Signature Loop Controller (EST3 3-SDC1)	2,067.20	120.20
28 46 13 31-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,285.06	120.20
28 46 13 31-0141		**Relays And Accessories** *(28 46 13 31-0057)*		
28 46 13 31-0142	EA	Multi Voltage Relay (EST3 MR101)	223.90	40.06
28 46 13 31-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	69.85	20.04
28 46 13 31-0144		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0145		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0144)*		
28 46 13 31-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	192.82	60.10
28 46 13 31-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	192.82	60.10
28 46 13 31-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	216.47	60.10
28 46 13 31-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	166.17	60.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	166.17	60.10
28 46 13 31-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	166.17	60.10
28 46 13 31-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	166.17	60.10
28 46 13 31-0153	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	143.78	60.10
28 46 13 31-0154	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	143.78	60.10
28 46 13 31-0155	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	143.78	60.10
28 46 13 31-0156	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	313.01	60.10
28 46 13 31-0157	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	313.01	60.10
28 46 13 31-0158	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	213.59	60.10
28 46 13 31-0159	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	213.59	60.10
28 46 13 31-0160	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	192.82	60.10
28 46 13 31-0161	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	192.82	60.10
28 46 13 31-0162	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	192.82	60.10
28 46 13 31-0163	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	192.82	60.10
28 46 13 31-0164	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	199.47	60.10
28 46 13 31-0165	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	199.47	60.10
28 46 13 31-0166	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	215.02	60.10
28 46 13 31-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	199.47	60.10
28 46 13 31-0168	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	199.47	60.10
28 46 13 31-0169	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	129.22	60.10
28 46 13 31-0170	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	129.22	60.10
28 46 13 31-0171		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0144)*		
28 46 13 31-0172	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	164.16	60.10
28 46 13 31-0173	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	239.18	60.10
28 46 13 31-0174	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	164.16	60.10
28 46 13 31-0175	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	239.18	60.10
28 46 13 31-0176	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	82.39	32.06
28 46 13 31-0177	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	82.39	32.06
28 46 13 31-0178		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0144)*		
28 46 13 31-0179	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	191.37	60.10
28 46 13 31-0180	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	239.18	60.10
28 46 13 31-0181	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	254.32	60.10
28 46 13 31-0182		**Harsh Environment Signals** *(28 46 13 31-0144)*		
28 46 13 31-0183	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	172.75	60.10
28 46 13 31-0184	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	232.46	60.10
28 46 13 31-0185	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	232.46	60.10
28 46 13 31-0186	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	214.71	60.10
28 46 13 31-0187	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	202.91	60.10
28 46 13 31-0188	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	214.71	60.10
28 46 13 31-0189	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	214.71	60.10
28 46 13 31-0190	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	214.71	60.10
28 46 13 31-0191	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	238.06	68.12
28 46 13 31-0192	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	238.06	68.12
28 46 13 31-0193	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	179.95	60.10
28 46 13 31-0194	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	226.79	60.10
28 46 13 31-0195		**Fire Alarm Bells** *(28 46 13 31-0144)*		
28 46 13 31-0196	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	249.02	60.10
28 46 13 31-0197	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	204.43	60.10
28 46 13 31-0198	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	223.46	60.10
28 46 13 31-0199		**Multiple Tone Signal** *(28 46 13 31-0144)*		
28 46 13 31-0200	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,458.25	1,398.15
28 46 13 31-0201		**Multi-Purpose Loudspeaker** *(28 46 13 31-0144)*		
28 46 13 31-0202	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	320.14	60.10
28 46 13 31-0203	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	320.14	60.10
28 46 13 31-0204		**Bell/Strobe Plate** *(28 46 13 31-0144)*		
28 46 13 31-0205	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	162.66	32.06
28 46 13 31-0206		**Mounting Accessories** *(28 46 13 31-0144)*		
28 46 13 31-0207	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	83.77	32.06
28 46 13 31-0208	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	83.77	32.06
28 46 13 31-0209	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	83.77	32.06
28 46 13 31-0210	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	83.77	32.06
28 46 13 31-0211	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	83.77	32.06
28 46 13 31-0212		**Firefighters' Telephones** *(28 46 13 31-0144)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0213	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,325.84	100.17
28 46 13 31-0214	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	763.10	100.17
28 46 13 31-0215	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	560.45	100.17
28 46 13 31-0216	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	419.17	100.17
28 46 13 31-0217	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	737.88	100.17
28 46 13 31-0218	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	469.59	100.17
28 46 13 31-0219	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	827.19	100.17
28 46 13 31-0220	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	486.40	100.17
28 46 13 31-0221	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	941.55	100.17
28 46 13 31-0222	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	111.27	32.06
28 46 13 31-0223	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	125.90	32.06
28 46 13 31-0224	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	161.56	
28 46 13 31-0225	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	161.56	
28 46 13 31-0226	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	255.71	40.06
28 46 13 31-0227	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	313.94	40.06
28 46 13 31-0228	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	226.59	40.06
28 46 13 31-0229	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	218.03	40.06
28 46 13 31-0230	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	173.40	60.10
28 46 13 31-0231	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,359.29	80.14

28 46 13 31-0232 Mass Notification EC Appliances *(28 46 13 31-0144)*

28 46 13 31-0233	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	199.52	60.10
28 46 13 31-0234	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	193.47	60.10
28 46 13 31-0235	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	199.52	60.10
28 46 13 31-0236	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	193.47	60.10
28 46 13 31-0237	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	31.27	12.02

28 46 13 31-0238 Hazardous Location Devices *(28 46 13 31-0002)*

28 46 13 31-0239 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location *(28 46 13 31-0238)*

28 46 13 31-0240	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	176.49	60.10
28 46 13 31-0241	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	176.49	60.10
28 46 13 31-0242	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	182.56	60.10
28 46 13 31-0243	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	182.56	60.10
28 46 13 31-0244	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	238.62	60.10
28 46 13 31-0245	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	238.62	60.10
28 46 13 31-0246	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	182.56	60.10
28 46 13 31-0247	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	182.56	60.10

28 46 13 31-0248 Hazardous Locations Fire Alarm Station *(28 46 13 31-0238)*

28 46 13 31-0249	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,402.14	100.17
28 46 13 31-0250	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,336.84	100.17

28 46 13 31-0251 Hazardous Location Strobes *(28 46 13 31-0238)*

28 46 13 31-0252	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,046.98	60.10
28 46 13 31-0253	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	385.71	20.04
28 46 13 31-0254	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	503.71	24.04
28 46 13 31-0255	EA	Pendant Mounting Module (EST3 116EX-P)	372.30	24.04

28 46 13 31-0256 Hazardous Location Bells *(28 46 13 31-0238)*

28 46 13 31-0257	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,484.12	60.10
28 46 13 31-0258	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,521.92	60.10
28 46 13 31-0259	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,535.53	60.10

28 46 13 31-0260 Hazardous Location Horns *(28 46 13 31-0238)*

28 46 13 31-0261	EA	Hazardous Location Horns (EST3 888D-N5)	1,451.55	60.10
28 46 13 31-0262	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,189.98	60.10

28 46 13 31-0263 Door Holders And Relays *(28 46 13 31-0002)*

28 46 13 31-0264 Electromagnetic Door Holders *(28 46 13 31-0263)*

28 46 13 31-0265	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	280.17	60.10
28 46 13 31-0266	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	356.03	60.10
28 46 13 31-0267	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	241.43	60.10
28 46 13 31-0268	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	241.43	60.10
28 46 13 31-0269	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	244.94	60.10
28 46 13 31-0270	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	248.27	60.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0271		**Control Relays, Multi-Voltage** *(28 46 13 31-0263)*		
28 46 13 31-0272	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	56.59	12.02
28 46 13 31-0273		**FireShield Plus** *(28 46 13 31-0002)*		
28 46 13 31-0274		**3 Zone System** *(28 46 13 31-0273)*		
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,581.33	480.82
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	2,279.74	641.10
28 46 13 31-0277	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,581.33	480.82
28 46 13 31-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	2,279.74	641.10
28 46 13 31-0279	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	105.43	20.04
28 46 13 31-0280	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	105.43	20.04
28 46 13 31-0281		**5 Zone System** *(28 46 13 31-0273)*		
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,687.13	480.82
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,379.49	641.10
28 46 13 31-0284	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,687.13	480.82
28 46 13 31-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,379.49	641.10
28 46 13 31-0286	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	105.43	20.04
28 46 13 31-0287	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	105.43	20.04
28 46 13 31-0288		**10 Zone System** *(28 46 13 31-0273)*		
28 46 13 31-0289	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,415.77	641.10
28 46 13 31-0290	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	3,114.18	801.36
28 46 13 31-0291	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,370.43	641.10
28 46 13 31-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	3,114.18	801.36
28 46 13 31-0293	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	121.80	20.04
28 46 13 31-0294	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	224.08	40.06
28 46 13 31-0295		**FireShield Plus Off Premise Communication Options** *(28 46 13 31-0273)*		
28 46 13 31-0296	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	473.11	40.06
28 46 13 31-0297		**FireShield Plus Remote LED Annunciators** *(28 46 13 31-0273)*		
28 46 13 31-0298	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	218.29	60.10
28 46 13 31-0299	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	218.29	60.10
28 46 13 31-0300	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	226.00	60.10
28 46 13 31-0301	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	43.70	12.02
28 46 13 31-0302	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	53.57	12.02
28 46 13 31-0303	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	77.27	12.02
28 46 13 31-0304		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 13 31-0273)*		
28 46 13 31-0305	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	634.09	60.10
28 46 13 31-0306	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	694.55	60.10
28 46 13 31-0307	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	231.28	40.06
28 46 13 31-0308		**FireShield Plus Remote Relays And Interfaces** *(28 46 13 31-0273)*		
28 46 13 31-0309	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	243.62	40.06
28 46 13 31-0310	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	103.77	24.04
28 46 13 31-0311	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	379.40	40.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0312		**FireShield Plus Accessories** *(28 46 13 31-0273)*		
28 46 13 31-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	23.58	
28 46 13 31-0314	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	15.31	
28 46 13 31-0315		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0316		**Intelligent Analog Control Panels** *(28 46 13 31-0315)*		
28 46 13 31-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	4,801.56	801.36
28 46 13 31-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	5,094.78	801.36
28 46 13 31-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,833.99	641.10
28 46 13 31-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,970.02	641.10
28 46 13 31-0321		**Option Modules And Accessories For iO Series** *(28 46 13 31-0315)*		
28 46 13 31-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	422.49	60.10
28 46 13 31-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	271.34	60.10
28 46 13 31-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	271.34	60.10
28 46 13 31-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	231.28	40.06
28 46 13 31-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	457.08	32.06
28 46 13 31-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	819.83	32.06
28 46 13 31-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	103.54	20.04
28 46 13 31-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	118.65	20.04
28 46 13 31-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,520.56	80.14
28 46 13 31-0331		**Remote Annunciators For iO Series** *(28 46 13 31-0315)*		
28 46 13 31-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	838.12	60.10
28 46 13 31-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	875.92	60.10
28 46 13 31-0334		**Remote Annunciator Accessories** *(28 46 13 31-0315)*		
28 46 13 31-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	100.52	20.04
28 46 13 31-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	70.29	20.04
28 46 13 31-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	92.95	20.04
28 46 13 31-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	271.34	60.10
28 46 13 31-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	309.12	60.10
28 46 13 31-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	346.92	60.10
28 46 13 31-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	70.29	20.04
28 46 13 31-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	70.29	20.04
28 46 13 31-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	136.33	20.04
28 46 13 31-0344		**System Accessories** *(28 46 13 31-0315)*		
28 46 13 31-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	487.03	80.14
28 46 13 31-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	2,313.59	641.10
28 46 13 31-0347		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0348		**Detectors, Heat, Double Pole** *(28 46 13 31-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	201.65	60.10
28 46 13 31-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	201.65	60.10
28 46 13 31-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	201.65	60.10
28 46 13 31-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	201.65	60.10
28 46 13 31-0353		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0347)*		
28 46 13 31-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	132.73	60.10
28 46 13 31-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	311.19	32.06
28 46 13 31-0356	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	109.59	40.06
28 46 13 31-0357		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	190.02	60.10
28 46 13 31-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	190.02	60.10
28 46 13 31-0360		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0361		**Audio Notification Panels** *(28 46 13 31-0360)*		
28 46 13 31-0362	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	6,091.71	801.36
28 46 13 31-0363	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	6,091.71	801.36
28 46 13 31-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,625.62	801.36
28 46 13 31-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,625.62	801.36
28 46 13 31-0366	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	5,351.10	801.36
28 46 13 31-0367	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	5,351.10	801.36
28 46 13 31-0368		**Audio Notification Expander Panels** *(28 46 13 31-0360)*		
28 46 13 31-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,746.53	801.36
28 46 13 31-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,746.53	801.36
28 46 13 31-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	3,325.78	801.36
28 46 13 31-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	3,325.78	801.36
28 46 13 31-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	4,157.07	801.36
28 46 13 31-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	4,157.07	801.36
28 46 13 31-0375		**Audio Notification Output Accessories** *(28 46 13 31-0360)*		
28 46 13 31-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	176.09	20.04
28 46 13 31-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	760.29	40.06
28 46 13 31-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	760.29	40.06
28 46 13 31-0379	EA	Class A Converter (GE ANSZSC4A)	548.69	40.06
28 46 13 31-0380		**Audio Notification Remote Microphone** *(28 46 13 31-0360)*		
28 46 13 31-0381	EA	Microphone (GE ANSMIKE)	216.17	40.06
28 46 13 31-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	835.86	40.06
28 46 13 31-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	835.86	40.06
28 46 13 31-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	191.20	20.04
28 46 13 31-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	108.06	20.04
28 46 13 31-0386		**Audio Notification Accessories** *(28 46 13 31-0360)*		
28 46 13 31-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	352.20	40.06
28 46 13 31-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	352.20	40.06
28 46 13 31-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	352.20	40.06
28 46 13 31-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	760.29	40.06
28 46 13 31-0391		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0360)*		
28 46 13 31-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,744.83	80.14
28 46 13 31-0393	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,880.86	80.14
28 46 13 31-0394	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	3,969.09	80.14
28 46 13 31-0395	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,520.56	80.14
28 46 13 31-0396	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,520.56	80.14
28 46 13 31-0397	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,744.83	80.14
28 46 13 31-0398	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,200.71	80.14
28 46 13 31-0399	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,336.74	80.14
28 46 13 31-0400	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,424.97	80.14
28 46 13 31-0401	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	176.09	20.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0402	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	132.32	20.04
28 46 13 31-0403		**EST4 Life Safety And Security Control** *(28 46 13 31-0001)*		
28 46 13 31-0404		**Audio Units And Interfaces** *(28 46 13 31-0403)*		
28 46 13 31-0405	EA	Annunciator, Audio And Telephone Interface Module (EST4 4-ANNAUDTEL)	389.94	120.20
28 46 13 31-0406	EA	Audio And Telephone Interface/Riser Module (EST4 4-AUDTELS)	678.25	40.06
28 46 13 31-0407	EA	Firefighter Master Handset (EST4 4-FT)	693.78	100.17
28 46 13 31-0408	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	651.64	120.20
28 46 13 31-0409	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	721.26	120.20
28 46 13 31-0410	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	775.13	120.20
28 46 13 31-0411	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate (EST4 4-LCDAUDTELCAB-MPLT) Note: For CAB7, CAB14, CAB21, 4-16ANNMT and 4-24ANNMT applications	900.42	120.20
28 46 13 31-0412	EA	Paging Microphone (EST4 4-MIC)	704.72	40.06
28 46 13 31-0413		**Cabinets And Chassis** *(28 46 13 31-0403)*		
28 46 13 31-0414	EA	Battery Shelf For RCCxx Series Cabinets (EST4 3-BATS) Note: Takes one chassis space in a RCC cabinet. Provides space for up to one 65AH battery.	60.61	10.58
28 46 13 31-0415	EA	Battery Distribution Module (EST4 3-BTSEN)	545.58	160.27
28 46 13 31-0416	EA	Wallbox With 2 Chassis Spaces (EST4 3-CAB14B)	643.29	60.10
28 46 13 31-0417	EA	Wallbox With 3 Chassis Spaces (EST4 3-CAB21B)	781.45	60.10
28 46 13 31-0418	EA	Backbox, Black (EST4 3-CAB5B) Note: Supports five Local Rail Modules.	322.06	60.10
28 46 13 31-0419	EA	Wallbox With 1 Chassis Space (EST4 3-CAB7B)	445.93	60.10
28 46 13 31-0420	EA	3-CAB - Seismic Battery Hold Down For 3-CAB 7, 14 Or 21 (EST4 3-CABEQ) Note: Supports two 12V batteries from 10 Amp hrs up to 18 Ahrs. Comes with EST3 Chassis hardening hardware and instructions	324.45	16.03
28 46 13 31-0421	EA	Chassis Assembly (EST4 3-CHAS7) Note: Fits in any Lobby or Remote Closet Cabinet except CAB5 Series. Provides space for up to seven LRMs. Rear space for up to two power supplies.	495.24	60.10
28 46 13 31-0422	EA	Remote Closet Enclosure, Red (EST4 3-RCC14R)	1,193.94	160.27
28 46 13 31-0423	EA	Remote Closet Enclosure, Red (EST4 3-RCC21R)	1,613.33	160.27
28 46 13 31-0424	EA	Remote Closet Enclosure, Red (EST4 3-RCC7R)	991.68	160.27
28 46 13 31-0425	EA	3-RCC Series Cabinet, Seismic Battery Hold Down For 3-RCC1XXR Series (EST4 3-RCCEQ50) Note: Supports one set of 50 Amp hr (two batteries). Order 3-RCC14R or 3-RCC21R separately.	542.47	200.34
28 46 13 31-0426	EA	3-RCC Series Cabinet, Seismic Battery Hold Down (EST4 3-RCCEQ65) Note: Supports one set of 65 Ahr (two batteries) batteries (one battery in bottom of cabinet, one battery mounted on 3-BATS. Order 3-RCCxxR cabinet and 3-BATS separately.	985.40	200.34
28 46 13 31-0427	EA	Tamper Switch For CAB5 Series Cabinets (EST4 3-TAMP5)	139.42	40.06
28 46 13 31-0428	EA	Tamper Switch For 3-RCC Cabinets (EST4 3-TAMPRCC)	139.42	40.06
28 46 13 31-0429	EA	Mounting Bracket (EST4 4-BRKT-CB) Note: Provides space for mounting any one of 4-ANNCPU, 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. Mounts on the back plane of a 3-CHAS7 or on the back plane of a 3-ASU chassis in retrofit applications.	95.61	20.04
28 46 13 31-0430	EA	Mounting Bracket (EST4 4-BRKT-CS) Note: Provides space for mounting any one of 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. The bracket mounts to the side of a 3-CHAS7.	95.61	20.04
28 46 13 31-0431	EA	Door Assembly, Bronze (EST4 4-CAB16D) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	587.19	12.02
28 46 13 31-0432	EA	Door Assembly, Red (EST4 4-CAB16DR) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	587.19	12.02
28 46 13 31-0433	EA	Door Assembly, Bronze (EST4 4-CAB24D) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	724.30	12.02
28 46 13 31-0434	EA	Door Assembly, Bronze (EST4 4-CAB24DL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	827.16	12.02
28 46 13 31-0435	EA	Door Assembly, Red (EST4 4-CAB24DR) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	725.17	12.02
28 46 13 31-0436	EA	Door Assembly, Red (EST4 4-CAB24DRL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	827.16	12.02
28 46 13 31-0437	EA	Door Assembly, Bronze (EST4 4-CAB8D) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	414.45	12.02
28 46 13 31-0438	EA	Door Assembly, Red (EST4 4-CAB8DR) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	414.45	12.02
28 46 13 31-0439	EA	Replacement Hinge Assembly For CAB21 (EST4 4-HNG21)	80.57	
28 46 13 31-0440	EA	Replacement Hinge Assembly For CAB7 Or 14 (EST4 4-HNG714)	80.57	
28 46 13 31-0441	EA	Replacement Door Lock And Two Keys (EST4 4-LOCK2KEY)	167.24	
28 46 13 31-0442	EA	Mounting Plate (EST4 4-MPLT) Note: Mounts in chassis or battery space	226.79	20.04
28 46 13 31-0443	EA	Tamper Switch For 3-CAB7B, 3-CAB14B And 3-CAB21B Cabinets With 4-CABXXD Series Doors (EST4 4-TAMP) Note: Mounts to side of cabinet.	131.33	40.06
28 46 13 31-0444	EA	Battery Cabinet, Black Backbox, Bronze Door (EST4 BC-1) Note: Supports up to 40AH batteries	350.59	80.14
28 46 13 31-0445	EA	Seismic Battery Hold Down For BC-1 (EST4 BC-1EQ) Note: Supports up to two 40 Ahr batteries. Order BC-1 or BC-1R Separately.	167.42	16.03
28 46 13 31-0446	EA	Battery Cabinet, Black Backbox, Red Door (EST4 BC-1R) Note: Supports up to 40AH batteries.	350.59	80.14
28 46 13 31-0447	EA	8" x 14 x 3-1/2" Multi-Function Enclosure, Red (EST4 MFC-A)	249.37	80.14
28 46 13 31-0448		**Central Processing Unit** *(28 46 13 31-0403)*		
28 46 13 31-0449	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	751.58	120.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0450	EA	Cable (EST4 4-CABL0542) Note: Interconnects the 4-CPU to the inner door rail when no 4-LCD display is installed in the cabinet.	139.07	20.04
28 46 13 31-0451	EA	Cable, USB 3.0 A-B, Male, Long (EST4 4-CABLUSBLG)	88.43	20.04
28 46 13 31-0452	EA	Common Relay Module (EST4 4-COMREL)	91.57	20.04
28 46 13 31-0453	EA	Central Processor Module (EST4 4-CPU)	1,361.87	120.20
28 46 13 31-0454	EA	EST4 Software License, 1 Seat (EST4 4-CUSWL)	640.98	
28 46 13 31-0455		**Control Display Modules** *(28 46 13 31-0403)*		
28 46 13 31-0456	EA	Control Display Module With 24 Indicators (EST4 4-24L)	513.08	120.20
28 46 13 31-0457	EA	Control Display Module With 24 Indicators And 12 Switches (EST4 4-24L12S)	615.32	120.20
28 46 13 31-0458	EA	Control Display Module With 24 Indicators And 18 Switches (EST4 4-24L18S)	615.32	120.20
28 46 13 31-0459	EA	Control Display Module With 24 Indicators And 24 Switches (EST4 4-24L24S)	629.84	120.20
28 46 13 31-0460	EA	Blank Filler Plate (EST4 4-FIL)	42.92	20.04
28 46 13 31-0461		**Liquid Crystal Display (LCD) Modules** *(28 46 13 31-0403)*		
28 46 13 31-0462	EA	LCD Display For EST3 Panels (EST4 4-3LCD) Note: Allows reuse of EST3 UI layer in retrofit applications. The 4-3LCD can be mounted in remote closet cabinets where an LCD display is needed. The display mounts on the 4-CPU module.	913.29	120.20
28 46 13 31-0463	EA	LCD With Cable For Annunciator Enclosure 4-4ANN, 4-6ANN Mounting (EST4 4-LCDANN)	905.62	120.20
28 46 13 31-0464	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	651.64	120.20
28 46 13 31-0465	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	721.26	120.20
28 46 13 31-0466	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	775.13	120.20
28 46 13 31-0467	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate For CAB7, CAB14, CAB21, 4-16ANNMT And 4-24ANNMT Applications (EST4 4-LCDAUDTELCAB-MPLT)	900.42	120.20
28 46 13 31-0468	EA	LCD With Cable For 3-CAB5B, 7B, 14B, 21B, 4-8ANN, 16ANN And 24ANN Mounting (EST4 4-LCDLE)	903.66	120.20
28 46 13 31-0469		**Network Accessories** *(28 46 13 31-0403)*		
28 46 13 31-0470	EA	Firewall (EST4 4-FWAL1) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	448.69	
28 46 13 31-0471	EA	Firewall W/DACT (EST4 4-FWAL2) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	530.83	
28 46 13 31-0472	EA	Firewall W/EMAIL (EST4 4-FWAL3) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	508.39	
28 46 13 31-0473	EA	Firewall W/DACT/ EMAIL/DIAG (EST4 4-FWAL4) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	1,472.85	
28 46 13 31-0474	EA	SFP Network Firewall Adapter, CAT5 UTP Copper, 100Base-TX, 100 Mbps (EST4 4-FWAL-CAT)	332.74	40.06
28 46 13 31-0475	EA	SFP Network Firewall Adapter, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-FWAL-MM)	429.87	40.06
28 46 13 31-0476	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-FWAL-SM)	1,030.60	40.06
28 46 13 31-0477	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-FWAL-SMD) Note: Works with 4-FWAL-SMU	1,243.10	40.06
28 46 13 31-0478	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-FWAL-SMH)	1,339.61	40.06
28 46 13 31-0479	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-FWAL-SMU) Note: Works with 4-FWAL-SMD	1,243.10	40.06
28 46 13 31-0480	EA	Network Adder Module (EST4 4-NET-AD)	631.79	40.06
28 46 13 31-0481	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	528.94	120.20
28 46 13 31-0482	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	651.86	120.20
28 46 13 31-0483	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,358.61	120.20
28 46 13 31-0484	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,608.59	120.20
28 46 13 31-0485	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,722.14	120.20
28 46 13 31-0486	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx Note: Works with 4-NET-SMD	1,608.59	120.20
28 46 13 31-0487	EA	SFP Network Controller, 2Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	528.94	120.20
28 46 13 31-0488	EA	SFP Network Controller, 0.3Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	734.81	120.20
28 46 13 31-0489	EA	Network Extender Module (EST4 4-NET-XT) Note: Mounts to DIN rail on 4-MPLT ordered separately	2,173.52	40.06
28 46 13 31-0490	EA	4-USBHUB Multi-port USB Hub Module (EST4 4-USBHUB) Note: Mounts in a ½ footprint module space and provides isolated RS-232 USB and terminal block connections for RS-232 to CDR connections.	528.72	40.06
28 46 13 31-0491	EA	Coder, PSNI (EST4 CDR-3) Note: Positive, non-interfering, successive and march time codes PSNI code out (relay & tone outputs). March time out (relay & tone outputs). Connects to RS-232 serial port. Requires 1/2 size cabinet footprint and 24 VDC power.	611.21	40.06
28 46 13 31-0492	EA	Field Server Bridge Bracket For FSB-PC2 Or FSB-PCLW (EST4 FSB-BRKT2)	93.13	20.04
28 46 13 31-0493	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4) Note: Mounts on FSB-BRKT2, ordered separately.	2,257.73	40.06
28 46 13 31-0494	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4LW) Note: Mounts on FSB-BRKT2, ordered separately.	2,257.73	40.06
28 46 13 31-0495	EA	Ground Fault Detection Module (EST4 GFD) Note: One required for every two 3-NSHM1/2s.	336.15	20.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0496	EA	Isolator Module, RS232 (EST4 IOP3A) Note: For use with short haul modems, VDU-3, CCA Series, CGP Series and FCOM-232, requires 1/2 size cabinet footprint.	1,901.84	641.10
28 46 13 31-0497	EA	MN-FVPN, MN-ABPM, MN-PASM2, MN-COM1S, MN-NETRLY4 And/Or MN-FNS(4)(8) Series Switch Mounting Bracket For EST3 Enclosures (EST4 MN-BRKT1F)	263.88	20.04
28 46 13 31-0498	EA	24 VDC, 4 Fast Ethernet (RJ45), 2 GB SFP, Layer 3 Lite (EST4 MN-FNS4C2F3)	2,945.22	160.27
28 46 13 31-0499	EA	MN-FNS4 Series Switch Holder Bracket (EST4 MN-FNS4HDK1) Note: Used with MN-BRKT Series. One required per switch.	136.17	20.04
28 46 13 31-0500	EA	Desk Top Style, System Printer (EST4 PT-1S)	1,089.73	40.06
28 46 13 31-0501		**Power Supplies** *(28 46 13 31-0403)*		
28 46 13 31-0502	EA	Primary Power Supply With Local Rail Module 120-240V 50/60 Hz (EST4 4-PPS/M)	1,063.18	20.04
28 46 13 31-0503		**Remote Annunciators** *(28 46 13 31-0403)*		
28 46 13 31-0504	EA	LED/SWITCH Driver Module Assembly (EST4 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	763.50	120.20
28 46 13 31-0505	EA	Plastic Mounting Extrusion (EST4 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	142.40	40.06
28 46 13 31-0506	EA	Power Supply Assembly (EST4 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	629.15	120.20
28 46 13 31-0507	EA	16 Slots (2 rows of 8), Bronze Annunciator (EST4 4-16ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-16ANNMT (Surface mount) or 3-CAB7B (semi-flush mount), required network Controllers 4-NET-XX series, end user interfaces and required filler plates separately.	1,295.03	120.20
28 46 13 31-0508	EA	Surface Mount Wall Box Assembly For Eight Wide By Two High Annunciators (16 spaces) (EST4 4-16ANNMT)	340.75	32.06
28 46 13 31-0509	EA	24 slots (3 rows of 8), Bronze Annunciator (EST4 4-24ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall mounting assembly 4-24ANNMT, required network Controllers 4-NET-XX series, and End User interfaces and required filler plates separately.	1,387.91	120.20
28 46 13 31-0510	EA	Surface Mount Wallbox Assembly For Eight Wide By Three High Annunciator (24 spaces) (EST4 4-24ANNMT)	449.88	32.06
28 46 13 31-0511	EA	LCD Annunciator (EST4 4-2ANN) Note: Comes with 4-LCDANN color touchscreen display, 4-ANNCPU, bronze outer door and black inner door. Order wallbox assembly model 4-2ANNMT and required network Controllers 4-NET-XX separately	1,576.43	120.20
28 46 13 31-0512	EA	Mounting Assembly For 4-2ANN, Two Wide Annunciator (EST4 4-2ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	206.00	60.10
28 46 13 31-0513	EA	Bronze Annunciator (EST4 4-4ANN) Note: Supports 4 slots (1 row of 4). Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-4ANNMT, required network controllers 4-NET-XX series, any user interfaces and filler plates separately.	934.37	120.20
28 46 13 31-0514	EA	Mounting Assembly For 4-4ANN, Four Wide annunciator (EST4 4-4ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	279.57	60.10
28 46 13 31-0515	EA	Bronze Annunciator, 6 Slots (1 row of 6) (EST4 4-6ANN) Note: Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-6ANNMT, required network Controllers 4-NET-XX series, any user interfaces and required filler plates separately.	970.23	120.20
28 46 13 31-0516	EA	Mounting Assembly For 4-6ANN, Six Wide Annunciator (EST4 4-6ANNMT) Note: Supports surface or semiflush mounting. Comes with wallbox, surface mounting plastic fillers and semi-flush trip.	316.60	60.10
28 46 13 31-0517	EA	Bronze Annunciator, 8 Slots (2 rows of 4) (EST4 4-8ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-8ANNMT (surface mounting), or 3-CAB5B (Semi-flush mounting) required network Controllers 4-NET-XX series, End User interfaces and required filler plates separately.	1,116.39	120.20
28 46 13 31-0518	EA	Mounting Assembly For 4-8ANN, Four Wide x Two Row High Annunciator (EST4 4-8ANNMT) Note: Supports surface mounting.	396.84	60.10
28 46 13 31-0519	EA	Security Kit (EST4 4-ANNSK) Note: Provides a keyless door latch that allows access to LCD and switches, used for security applications where the display needs to be accessed without the need for a tool to unlock the door for arming, disarming, bypass applications within the protected space.	41.93	
28 46 13 31-0520	EA	Graphic Annunciator Central Processor Module (EST4 4-CPUGRPH)	1,541.30	120.20
28 46 13 31-0521	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	528.94	120.20
28 46 13 31-0522	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	651.86	120.20
28 46 13 31-0523	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,358.61	120.20
28 46 13 31-0524	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,608.59	120.20
28 46 13 31-0525	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,722.14	120.20
28 46 13 31-0526	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-NET-SMU) Note: Works with 4-NET-SMD	1,608.59	120.20
28 46 13 31-0527	EA	SFP Network Controller, 2 Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	528.94	120.20
28 46 13 31-0528	EA	SFP Network Controller, 0.3 Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	734.81	120.20
28 46 13 31-0529		**Miscellaneous** *(28 46 13 31-0403)*		
28 46 13 31-0530	EA	Service Replacement Bronze Annunciator Door (EST4 4-2ANND) Note: For 4-2ANN annunciators includes the inner and outer doors.	230.59	
28 46 13 31-0531	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-2ANNFA) Note: For 4-2ANN annunciators	88.40	
28 46 13 31-0532	EA	Service Replacement Bronze Annunciator Door (EST4 4-4ANND) Note: For 4-4ANN annunciators includes the inner and outer doors.	249.46	
28 46 13 31-0533	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4ANNFA) Note: For 4-4ANN annunciators.	122.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0534	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4X2ANNFA) Note: For 4-8ANN annunciators and 4-CAB5D door assemblies.	185.59	
28 46 13 31-0535	EA	Service Replacement Bronze Annunciator Door (EST4 4-6ANND) Note: For 4-6ANN annunciators, includes the inner and outer door	277.82	
28 46 13 31-0536	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-6ANNFA) Note: For 4-6ANN annunciators.	140.73	
28 46 13 31-0537	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-8ANNFA) Note: For 4-CAB16D and 4-CAB21D(L) door assemblies.	185.59	
28 46 13 31-0538	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	751.58	120.20
28 46 13 31-0539	EA	Service Replacement Cable, 4-LCD To 4-CPU Flex Interconnect Cable (EST4 4-CABL0502) Note: For CAB5, 7, 14, 21.	122.04	
28 46 13 31-0540	EA	Service Replacement Cable, 4-LCD To 4-ANNCPU Cable (EST4 4-CABL0504) Note: For use in 4-2ANN, 4ANN, 6ANN annunciator configuration.	110.82	
28 46 13 31-0541	EA	Chassis To Door Rail Cable (EST4 4-CABL0505) Note: For 4-CAB16D, 4-CAB24D or 4-CAB24DL use when no LCD display is required.	98.80	12.02
28 46 13 31-0542	EA	Chassis To Door Rail Cable (EST4 4-CABL0507) Note: For 4-CAB8D when no LCD is required.	98.80	12.02
28 46 13 31-0543	EA	Cable, 4-LCDAUDTEL To 4-ANNCPU (EST4 4-CABL0509) Note: For 4-MPLT for CAB7, CAB14, or CAB21	106.47	12.02
28 46 13 31-0544	EA	Service Replacement Cable, 4-3LCD To 4-CPU Cable (EST4 4-CABL0541) Note: For use in 3-CAB5B, 7B, 14B, 21B, RCC series.	107.18	
28 46 13 31-0545	EA	Cable, USB 3.0 A-B, Male, Short (EST4 4-CABLUSBSM)	53.95	12.02
28 46 13 31-0546	EA	Window Replacement (EST4 4-CABWIN16/24) Note: For 4-CAB16D and 4-CAB24D doors	263.14	
28 46 13 31-0547	EA	Main Color Touchscreen LCD Display (EST4 4-LCD)	838.52	120.20
28 46 13 31-0548	EA	Power Limited Label (EST4 4-PL0457) Note: For EST3 updates.	26.52	8.01

28 46 13 31-0549 Zone Audio Amplifiers *(28 46 13 31-0403)*

28 46 13 31-0550	EA	Zoned Amplifier, 20 Watt, Class A/B (EST4 3-ZA20A) Note: 20 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	838.87	32.06
28 46 13 31-0551	EA	Zoned Amplifier, 20 Watt, Class B (EST4 3-ZA20B) Note: 20 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	774.69	32.06
28 46 13 31-0552	EA	Zoned Amplifier, 40 Watt, Class A/B (EST4 3-ZA40A) Note: 40 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	1,031.25	32.06
28 46 13 31-0553	EA	Zoned Amplifier, 40 Watt, Class B (EST4 3-ZA40B) Note: 40 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	950.32	32.06
28 46 13 31-0554	EA	Zoned Amplifier, 95 Watt, Class B (EST4 3-ZA95) Note: 95 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 2 LRM spaces. Supports two user interface modules.	1,974.69	32.06

28 46 13 31-0555 Simplex Fire Alarm *(28 46 13 31)*

28 46 13 31-0556 4100 Fire Alarm Control Panel *(28 46 13 31-0555)*

28 46 13 31-0557	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	7,781.91	799.88
28 46 13 31-0558	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	8,438.33	799.88
28 46 13 31-0559	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,876.31	799.88
28 46 13 31-0560	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	5,202.33	799.88
28 46 13 31-0561	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	4,201.25	799.88
28 46 13 31-0562	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,364.46	199.97
28 46 13 31-0563	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	493.93	39.99
28 46 13 31-0564	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,389.69	39.99

28 46 13 31-0565 4100U Back Box *(28 46 13 31-0555)*

28 46 13 31-0566	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,443.92	159.97
28 46 13 31-0567	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,417.84	159.97

28 46 13 31-0568 DACT (Digital Alarm Communicator Transmitter) *(28 46 13 31-0555)*

28 46 13 31-0569	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,335.29	79.99

28 46 13 31-0570 4010 Fire Alarm Control Panel *(28 46 13 31-0555)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0571	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	7,379.50	799.88
28 46 13 31-0572	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	7,179.89	799.88
28 46 13 31-0573	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	261.25	39.99
28 46 13 31-0574	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,085.74	39.99
28 46 13 31-0575	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,487.33	39.99
28 46 13 31-0576	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	771.23	39.99
28 46 13 31-0577	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	833.40	39.99
28 46 13 31-0578	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	321.65	39.99
28 46 13 31-0579		**Printer** *(28 46 13 31-0555)*		
28 46 13 31-0580	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,386.60	39.99
28 46 13 31-0581		**NAC Panel / Power Booster** *(28 46 13 31-0555)*		
28 46 13 31-0582	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,606.05	199.97
28 46 13 31-0583		**Battery** *(28 46 13 31-0555)*		
28 46 13 31-0584	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	973.69	39.99
28 46 13 31-0585	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	651.63	39.99
28 46 13 31-0586	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	243.71	39.99
28 46 13 31-0587		**Interface Modules** *(28 46 13 31-0555)*		
28 46 13 31-0588	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	199.45	39.99
28 46 13 31-0589	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	398.24	39.99
28 46 13 31-0590	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	105.79	39.99
28 46 13 31-0591	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	201.64	39.99
28 46 13 31-0592	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	90.49	20.00
28 46 13 31-0593	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	86.29	20.00
28 46 13 31-0594		**Pull Stations** *(28 46 13 31-0555)*		
28 46 13 31-0595	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	242.09	39.99
28 46 13 31-0596	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	176.81	39.99
28 46 13 31-0597	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	189.42	39.99
28 46 13 31-0598	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	171.12	39.99
28 46 13 31-0599	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	197.85	39.99
28 46 13 31-0600	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	293.90	39.99
28 46 13 31-0601	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	248.35	39.99
28 46 13 31-0602	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	290.45	39.99
28 46 13 31-0603	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	141.73	39.99
28 46 13 31-0604	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	149.43	39.99
28 46 13 31-0605	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	174.24	39.99
28 46 13 31-0606	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	264.40	39.99
28 46 13 31-0607	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	448.79	39.99
28 46 13 31-0608	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	155.76	39.99
28 46 13 31-0609	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	94.72	20.00
28 46 13 31-0610		**Weatherproof Pull Stations** *(28 46 13 31-0555)*		
28 46 13 31-0611	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	239.12	47.99
28 46 13 31-0612	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	150.64	20.00
28 46 13 31-0613		**Heat / Smoke Sensor** *(28 46 13 31-0555)*		
28 46 13 31-0614	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	243.97	59.99
28 46 13 31-0615	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	347.30	59.99
28 46 13 31-0616	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	648.14	20.00
28 46 13 31-0617	EA	Standard Sensor Base (Simplex 4098-9792)	332.28	20.00
28 46 13 31-0618	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	200.22	39.99
28 46 13 31-0619		**Explosion Proof Heat Detector** *(28 46 13 31-0555)*		
28 46 13 31-0620	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	257.19	59.99
28 46 13 31-0621	EA	Explosion Proof Back Box (Killark JLX-21)	162.08	20.00
28 46 13 31-0622	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	15.46	4.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0623		**Weatherproof Heat Detector** *(28 46 13 31-0555)*		
28 46 13 31-0624	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	190.80	59.99
28 46 13 31-0625		**200 Degree F Heat Detector** *(28 46 13 31-0555)*		
28 46 13 31-0626	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	161.12	59.99
28 46 13 31-0627		**Duct Smoke Sensor** *(28 46 13 31-0555)*		
28 46 13 31-0628	EA	Duct Sensor Housing (Simplex 4098-9755)	528.76	32.00
28 46 13 31-0629	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	721.66	71.99
28 46 13 31-0630	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	83.90	20.00
28 46 13 31-0631	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	203.32	59.99
28 46 13 31-0632		**Interior Horn** *(28 46 13 31-0555)*		
28 46 13 31-0633	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	189.51	59.99
28 46 13 31-0634	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	189.51	59.99
28 46 13 31-0635		**Interior Horn Strobe** *(28 46 13 31-0555)*		
28 46 13 31-0636	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	255.17	59.99
28 46 13 31-0637	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	255.17	59.99
28 46 13 31-0638	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	240.19	59.99
28 46 13 31-0639	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	240.19	59.99
28 46 13 31-0640	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	240.19	59.99
28 46 13 31-0641	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	240.19	59.99
28 46 13 31-0642	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	245.21	59.99
28 46 13 31-0643	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	245.21	59.99
28 46 13 31-0644	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	254.04	59.99
28 46 13 31-0645	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	249.97	59.99
28 46 13 31-0646	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	254.04	59.99
28 46 13 31-0647	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	249.97	59.99
28 46 13 31-0648	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	240.19	59.99
28 46 13 31-0649	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	240.19	59.99
28 46 13 31-0650	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	240.19	59.99
28 46 13 31-0651	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	240.19	59.99
28 46 13 31-0652		**Interior Strobe** *(28 46 13 31-0555)*		
28 46 13 31-0653	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	208.37	59.99
28 46 13 31-0654	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	208.37	59.99
28 46 13 31-0655	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	208.30	59.99
28 46 13 31-0656	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	208.37	59.99
28 46 13 31-0657	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	227.40	59.99
28 46 13 31-0658	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	227.40	59.99
28 46 13 31-0659	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	228.62	59.99
28 46 13 31-0660	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	231.94	59.99
28 46 13 31-0661	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	231.94	59.99
28 46 13 31-0662	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	231.94	59.99
28 46 13 31-0663	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	208.37	59.99
28 46 13 31-0664	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	208.37	59.99
28 46 13 31-0665	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	208.37	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0666	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	208.37	59.99
28 46 13 31-0667		**Interior Speakers** *(28 46 13 31-0555)*		
28 46 13 31-0668	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	173.40	59.99
28 46 13 31-0669	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	173.40	59.99
28 46 13 31-0670	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	173.40	59.99
28 46 13 31-0671		**Interior Speaker Strobe** *(28 46 13 31-0555)*		
28 46 13 31-0672	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	270.00	59.99
28 46 13 31-0673	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	270.00	59.99
28 46 13 31-0674		**Surge Suppressors** *(28 46 13 31-0555)*		
28 46 13 31-0675	EA	Overvoltage Suppressor (Simplex 2081-9044)	165.70	12.00
28 46 13 31-0676	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	107.39	12.00
28 46 13 31-0677	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	350.47	12.00
28 46 13 31-0678	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	122.41	12.00
28 46 13 31-0679	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	185.09	20.00
28 46 13 31-0680	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	125.39	12.00
28 46 13 31-0681	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	95.34	12.00
28 46 13 31-0682		**Boxes And Adapters** *(28 46 13 31-0555)*		
28 46 13 31-0683	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	86.29	20.00
28 46 13 31-0684	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	82.08	20.00
28 46 13 31-0685	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	73.83	20.00
28 46 13 31-0686	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	62.12	20.00
28 46 13 31-0687		**Accessories** *(28 46 13 31-0555)*		
28 46 13 31-0688	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	44.88	20.00
28 46 13 31-0689		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0690		**Conventional Control Panels** *(28 46 13 31-0689)*		
28 46 13 31-0691		**SXL Batteries And Power Supplies** *(28 46 13 31-0690)*		
28 46 13 31-0692	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,393.30	79.99
28 46 13 31-0693	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,127.29	79.99
28 46 13 31-0694		**Digital Fire Communicators** *(28 46 13 31-0690)*		
28 46 13 31-0695	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,092.22	79.99
28 46 13 31-0696		**Addressable Control Panels** *(28 46 13 31-0689)*		
28 46 13 31-0697		**Fireseeker Equipment** *(28 46 13 31-0696)*		
28 46 13 31-0698		**FS-250 System Panels** *(28 46 13 31-0697)*		
28 46 13 31-0699	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	3,553.76	799.88
28 46 13 31-0700	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	4,366.31	799.88
28 46 13 31-0701	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,658.25	639.91
28 46 13 31-0702	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,558.59	799.88
28 46 13 31-0703		**FS-250 Optional Modules** *(28 46 13 31-0697)*		
28 46 13 31-0704	EA	Main Board Module (Siemens FS-MB2)	1,402.98	79.99
28 46 13 31-0705	EA	Display Board Module (Siemens FS-DB2)	1,086.00	39.99
28 46 13 31-0706	EA	Device Loop Card (Siemens FS-DLC)	892.54	39.99
28 46 13 31-0707	EA	Releasing Module (Siemens FS-REL)	404.04	39.99
28 46 13 31-0708	EA	Remote LCD Annunciator (Siemens FS-RD2)	886.49	39.99
28 46 13 31-0709	EA	Relay Processor Card (Siemens FS-RU2)	771.62	39.99
28 46 13 31-0710	EA	Relay Expander Board (Siemens FS-RE8)	660.38	39.99
28 46 13 31-0711	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	886.49	39.99
28 46 13 31-0712	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	694.24	39.99
28 46 13 31-0713	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	632.57	39.99
28 46 13 31-0714	EA	Municipal Tie Module (Siemens FS-MT)	539.47	39.99
28 46 13 31-0715	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	507.00	
28 46 13 31-0716	EA	Programming Cable Kit (Siemens CBL-UD)	133.09	20.00
28 46 13 31-0717	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	240.81	39.99

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28 46 13 31-0718	EA	Releasing Power Transformer (Siemens FS-RPT-A)	244.43	39.99
28 46 13 31-0719	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	271.96	32.00
28 46 13 31-0720	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	431.75	20.00
28 46 13 31-0721		**Firefinder Systems** *(28 46 13 31-0696)*		
28 46 13 31-0722		**XLS Basic Fire System Packages Without Back Box** *(28 46 13 31-0721)*		
28 46 13 31-0723	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	12,090.42	799.88
28 46 13 31-0724	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,709.57	799.88
28 46 13 31-0725	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,709.57	799.88
28 46 13 31-0726	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	17,572.71	799.88
28 46 13 31-0727	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	18,145.84	799.88
28 46 13 31-0728	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	10,570.52	799.88
28 46 13 31-0729	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	10,570.52	799.88
28 46 13 31-0730	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	12,185.94	799.88
28 46 13 31-0731		**Firefinder - XLS Basic System Equipment** *(28 46 13 31-0721)*		
28 46 13 31-0732	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,629.87	799.88
28 46 13 31-0733	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	9,198.07	799.88
28 46 13 31-0734	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,629.87	799.88
28 46 13 31-0735	EA	Two Slot Card Cage (Siemens CC-2)	679.73	39.99
28 46 13 31-0736	EA	Five Slot Card Cage (Siemens CC-5)	1,140.41	39.99
28 46 13 31-0737	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,624.07	39.99
28 46 13 31-0738	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,695.41	39.99
28 46 13 31-0739	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	544.30	39.99
28 46 13 31-0740	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,922.73	39.99
28 46 13 31-0741	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,094.47	39.99
28 46 13 31-0742	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,110.09	39.99
28 46 13 31-0743	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	7,242.87	799.88
28 46 13 31-0744	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,278.26	39.99
28 46 13 31-0745	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,420.87	39.99
28 46 13 31-0746	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	587.83	39.99
28 46 13 31-0747	EA	Conventional Detector Card (Siemens CDC-4)	1,232.31	39.99
28 46 13 31-0748	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,401.56	39.99
28 46 13 31-0749	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,602.08	39.99
28 46 13 31-0750		**Remote Lobby Enclosure** *(28 46 13 31-0721)*		
28 46 13 31-0751	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,634.30	159.97
28 46 13 31-0752	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	2,093.77	159.97
28 46 13 31-0753	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	264.99	39.99
28 46 13 31-0754	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	287.96	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0755		**Battery Enclosures** *(28 46 13 31-0721)*		
28 46 13 31-0756	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	1,034.56	159.97
28 46 13 31-0757		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0721)*		
28 46 13 31-0758	EA	Output Control Module (Siemens OCM-16)	794.60	39.99
28 46 13 31-0759	EA	Supervised Input Module (Siemens SIM-16)	794.60	39.99
28 46 13 31-0760		**Remote LCD Displays** *(28 46 13 31-0721)*		
28 46 13 31-0761	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,851.76	119.98
28 46 13 31-0762	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	2,082.70	119.98
28 46 13 31-0763		**Voice Equipment** *(28 46 13 31-0721)*		
28 46 13 31-0764	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,811.49	39.99
28 46 13 31-0765	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	3,996.43	39.99
28 46 13 31-0766	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,691.79	39.99
28 46 13 31-0767		**MXL Series Equipment** *(28 46 13 31-0696)*		
28 46 13 31-0768		**MXL Optional Equipment** *(28 46 13 31-0767)*		
28 46 13 31-0769	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,964.02	79.99
28 46 13 31-0770	EA	CXL/MXL Interface Module (Siemens CMI-300)	5,013.32	39.99
28 46 13 31-0771	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	873.19	39.99
28 46 13 31-0772	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,050.94	39.99
28 46 13 31-0773	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	405.25	39.99
28 46 13 31-0774	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	256.53	39.99
28 46 13 31-0775	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	1,023.13	39.99
28 46 13 31-0776	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	385.99	59.99
28 46 13 31-0777	EA	Lexan Window For RCC (Siemens GENBOX-WD)	258.66	32.00
28 46 13 31-0778	EA	Input Driver Module (Siemens MID-16)	676.10	39.99
28 46 13 31-0779	EA	Programmable Output Driver Module (Siemens MOD-16)	676.10	39.99
28 46 13 31-0780	EA	MXL Output/Input Module (Siemens MOI-7)	1,072.70	39.99
28 46 13 31-0781	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	578.16	39.99
28 46 13 31-0782	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	901.00	39.99
28 46 13 31-0783	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,224.18	119.98
28 46 13 31-0784	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,224.18	119.98
28 46 13 31-0785	EA	Network Interface Module (Siemens NIM-1W)	1,592.64	39.99
28 46 13 31-0786	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,189.23	159.97
28 46 13 31-0787	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	477.80	39.99
28 46 13 31-0788	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,822.15	799.88
28 46 13 31-0789	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	586.80	79.99
28 46 13 31-0790	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,822.15	799.88
28 46 13 31-0791	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	601.31	79.99
28 46 13 31-0792	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,776.24	799.88
28 46 13 31-0793	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	5,504.12	799.88
28 46 13 31-0794	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	94.40	20.00
28 46 13 31-0795	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,447.55	79.99
28 46 13 31-0796	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,698.82	79.99
28 46 13 31-0797	EA	Releasing End Of Line Module (Siemens REL-EOL)	211.79	39.99
28 46 13 31-0798	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,122.35	79.99
28 46 13 31-0799	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,937.35	79.99
28 46 13 31-0800	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,134.88	159.97
28 46 13 31-0801		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 13 31-0767)*		
28 46 13 31-0802	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	15,590.91	799.88
28 46 13 31-0803	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	20,122.80	799.88
28 46 13 31-0804	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	41,287.76	799.88
28 46 13 31-0805		**MXL Basic System** *(28 46 13 31-0767)*		
28 46 13 31-0806	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	9,888.56	799.88
28 46 13 31-0807	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	12,595.84	799.88
28 46 13 31-0808	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,481.51	79.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0809	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,354.51	79.99
28 46 13 31-0810	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,545.84	119.98
28 46 13 31-0811	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	118.58	20.00
28 46 13 31-0812		**MXL/MXLR System Expansion Accessories** *(28 46 13 31-0767)*		
28 46 13 31-0813	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,888.03	119.98
28 46 13 31-0814	EA	Style 4 Communication Module (Siemens NET-4)	393.16	39.99
28 46 13 31-0815	EA	Style 7 Communication Module (Siemens NET-7)	703.91	39.99
28 46 13 31-0816	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	428.23	39.99
28 46 13 31-0817		**Peripheral Devices** *(28 46 13 31-0696)*		
28 46 13 31-0818		**Thermal Detectors** *(28 46 13 31-0817)*		
28 46 13 31-0819	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	179.23	59.99
28 46 13 31-0820	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	179.23	59.99
28 46 13 31-0821	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	179.23	59.99
28 46 13 31-0822	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	179.23	59.99
28 46 13 31-0823	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	269.91	59.99
28 46 13 31-0824	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	269.91	59.99
28 46 13 31-0825	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	636.29	59.99
28 46 13 31-0826		**Beam Smoke Detector** *(28 46 13 31-0817)*		
28 46 13 31-0827	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,949.11	59.99
28 46 13 31-0828	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	339.86	20.00
28 46 13 31-0829	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	343.49	20.00
28 46 13 31-0830	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	179.04	20.00
28 46 13 31-0831		**Bases For Detectors** *(28 46 13 31-0817)*		
28 46 13 31-0832	EA	Detector Base (Siemens DB-11)	58.13	20.00
28 46 13 31-0833	EA	Universal Base (Siemens DB-3S)	54.50	20.00
28 46 13 31-0834		**Manual Stations** *(28 46 13 31-0817)*		
28 46 13 31-0835	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	384.97	47.99
28 46 13 31-0836		**Addressable Devices** *(28 46 13 31-0696)*		
28 46 13 31-0837		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0836)*		
28 46 13 31-0838	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	327.95	59.99
28 46 13 31-0839	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	285.63	59.99
28 46 13 31-0840	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	236.06	59.99
28 46 13 31-0841	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	164.72	59.99
28 46 13 31-0842	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	164.72	59.99
28 46 13 31-0843	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	335.12	39.99
28 46 13 31-0844	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	320.61	39.99
28 46 13 31-0845	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	256.53	39.99
28 46 13 31-0846	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	310.94	39.99
28 46 13 31-0847	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	310.94	39.99
28 46 13 31-0848	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	238.39	39.99
28 46 13 31-0849	EA	Line Isolator Module (Siemens HLIM)	245.64	39.99
28 46 13 31-0850	EA	Remote Convention Zone Module (Siemens HZM)	356.89	39.99
28 46 13 31-0851	EA	Intelligent Control Point Module (Siemens HCP)	448.78	39.99
28 46 13 31-0852	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,926.26	
28 46 13 31-0853	EA	DPU Carrying Case (Siemens DPU-C1)	299.69	
28 46 13 31-0854	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,301.17	39.99
28 46 13 31-0855		**Air Duct Housings And Detectors** *(28 46 13 31-0836)*		
28 46 13 31-0856	EA	Air-Duct Housing (Siemens AD2-P)	362.65	32.00
28 46 13 31-0857	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	408.60	32.00
28 46 13 31-0858	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	332.70	39.99
28 46 13 31-0859	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	48.18	12.00
28 46 13 31-0860	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	59.81	16.00
28 46 13 31-0861	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	75.06	20.00
28 46 13 31-0862	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	87.89	24.00
28 46 13 31-0863		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0836)*		
28 46 13 31-0864	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	341.25	59.99
28 46 13 31-0865	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	296.52	59.99
28 46 13 31-0866	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	375.11	59.99
28 46 13 31-0867	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	326.66	39.99
28 46 13 31-0868	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	359.30	39.99
28 46 13 31-0869	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	330.28	39.99
28 46 13 31-0870	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	364.14	39.99
28 46 13 31-0871	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	364.14	39.99
28 46 13 31-0872		**Detector Universal Bases** *(28 46 13 31-0836)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0873	EA	Detector Base With Relay (Siemens DB-X11RS)	154.86	20.00
28 46 13 31-0874	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	82.31	20.00
28 46 13 31-0875	EA	Locking Kit (Siemens LK-11)	16.97	
28 46 13 31-0876	EA	Detector Base With Relay (Siemens DB-X3RS)	154.86	20.00
28 46 13 31-0877	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	179.04	20.00
28 46 13 31-0878	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	78.68	20.00
28 46 13 31-0879	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	38.51	12.00
28 46 13 31-0880	EA	Seal For DB-11 (Siemens DB11-SEAL)	19.88	
28 46 13 31-0881	EA	Gasket For DB-11 (Siemens DB-SEAL)	21.47	
28 46 13 31-0882	EA	Detector Guard Housing (Siemens DGH-11)	223.78	20.00
28 46 13 31-0883	EA	Small Detector Base (Siemens DB-11E)	62.96	20.00
28 46 13 31-0884	EA	Audible Base For Series 3 (Siemens ADBI-60A)	200.81	20.00
28 46 13 31-0885	EA	Base Plug (Siemens DB-11-DP)	16.92	

28 46 13 31-0886 Air Duct Smoke Detectors *(28 46 13 31-0836)*

28 46 13 31-0887	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	177.93	39.99
28 46 13 31-0888	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	862.31	39.99

28 46 13 31-0889 Notification Devices *(28 46 13 31-0696)*

28 46 13 31-0890 Synchronization Control Devices *(28 46 13 31-0889)*

28 46 13 31-0891	EA	Dual Synchronization Control Module (Siemens DSC)	256.53	39.99

28 46 13 31-0892 Stand-Alone Strobes *(28 46 13 31-0889)*

28 46 13 31-0893	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	222.76	59.99
28 46 13 31-0894	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	240.90	59.99
28 46 13 31-0895	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	222.76	59.99
28 46 13 31-0896	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	240.90	59.99
28 46 13 31-0897	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	240.90	59.99
28 46 13 31-0898	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	222.76	59.99
28 46 13 31-0899	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	254.20	59.99
28 46 13 31-0900	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	244.52	59.99
28 46 13 31-0901	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	244.52	59.99
28 46 13 31-0902	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	260.24	59.99
28 46 13 31-0903	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	260.24	59.99

28 46 13 31-0904 Horns And Strobes *(28 46 13 31-0889)*

28 46 13 31-0905	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	294.10	59.99
28 46 13 31-0906	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	309.82	59.99
28 46 13 31-0907	EA	Wall Mounted Horn (Siemens SE-R)	179.23	59.99
28 46 13 31-0908	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	294.10	59.99
28 46 13 31-0909	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	309.82	59.99
28 46 13 31-0910	EA	Ceiling Mounted Horn (Siemens SEC-R)	186.48	59.99
28 46 13 31-0911	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	294.10	59.99
28 46 13 31-0912	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	309.82	59.99
28 46 13 31-0913	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	179.23	59.99
28 46 13 31-0914	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	294.10	59.99
28 46 13 31-0915	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	309.82	59.99
28 46 13 31-0916	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	186.48	59.99
28 46 13 31-0917	EA	Mini Horn (Siemens MH-R)	152.63	59.99
28 46 13 31-0918	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	188.90	59.99
28 46 13 31-0919	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	278.38	59.99
28 46 13 31-0920	EA	Industrial Tri-Tone Horn (Siemens ASR)	754.78	59.99
28 46 13 31-0921	EA	Wall Mounted Horn (Siemens HS-R)	188.90	59.99
28 46 13 31-0922	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	279.59	59.99
28 46 13 31-0923	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	298.93	59.99
28 46 13 31-0924	EA	6" Motor Bell (Siemens MBDC-6)	213.08	59.99
28 46 13 31-0925	EA	10" Motor Bell (Siemens MBDC-10)	231.22	59.99

28 46 13 31-0926 Mounting Accessories *(28 46 13 31-0889)*

28 46 13 31-0927	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	54.50	20.00
28 46 13 31-0928	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	54.50	20.00
28 46 13 31-0929	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	55.71	20.00
28 46 13 31-0930	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	84.73	20.00
28 46 13 31-0931	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	69.01	20.00
28 46 13 31-0932	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	72.64	20.00
28 46 13 31-0933	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	77.47	20.00
28 46 13 31-0934	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	62.96	20.00
28 46 13 31-0935	EA	Semi-Flush Plate (Siemens SFPS-R)	53.29	20.00
28 46 13 31-0936	EA	Square Surface Back Box (Siemens SHBBS-R)	62.96	20.00
28 46 13 31-0937	EA	Horn Adapter Plate (Siemens SHMPS-R)	60.55	20.00
28 46 13 31-0938	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	54.50	20.00
28 46 13 31-0939	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	69.01	20.00
28 46 13 31-0940	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	72.64	20.00
28 46 13 31-0941	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	70.22	20.00
28 46 13 31-0942	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	77.47	20.00
28 46 13 31-0943	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	77.47	20.00
28 46 13 31-0944	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	77.47	20.00
28 46 13 31-0945	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	72.64	20.00
28 46 13 31-0946	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	72.64	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0947	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	54.50	20.00
28 46 13 31-0948	EA	Z Series Back Box (Siemens ZBB-R)	60.55	20.00
28 46 13 31-0949		**Door Holders** *(28 46 13 31-0889)*		
28 46 13 31-0950	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	431.94	59.99
28 46 13 31-0951	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	431.94	59.99
28 46 13 31-0952		**Voice Equipment** *(28 46 13 31-0696)*		
28 46 13 31-0953		**Voicecom** *(28 46 13 31-0952)*		
28 46 13 31-0954	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	6,575.42	799.88
28 46 13 31-0955	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	10,263.33	799.88
28 46 13 31-0956		**Honeywell Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0957		**Notifier Fire Alarm** *(28 46 13 31-0956)*		
28 46 13 31-0958		**Fire Alarm Control Panel And Accessories** *(28 46 13 31-0957)*		
28 46 13 31-0959	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	65.28	20.00
28 46 13 31-0960	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,796.95	799.88
28 46 13 31-0961	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	4,111.42	799.88
28 46 13 31-0962	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	7,319.02	799.88
28 46 13 31-0963	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	6,124.85	799.88
28 46 13 31-0964	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	5,410.05	799.88
28 46 13 31-0965	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	7,304.97	799.88
28 46 13 31-0966	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,723.52	799.88
28 46 13 31-0967	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	6,571.35	799.88
28 46 13 31-0968	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	6,426.04	799.88
28 46 13 31-0969	EA	Two-Tone Sequential Module (Notifier 2TTM)	399.21	39.99
28 46 13 31-0970	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	99.52	8.00
28 46 13 31-0971	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	191.04	16.00
28 46 13 31-0972	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	289.98	24.00
28 46 13 31-0973	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-0974	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-0975	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	6,311.63	799.88
28 46 13 31-0976	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	6,367.69	799.88
28 46 13 31-0977	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	241.40	8.00
28 46 13 31-0978	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	76.64	8.00
28 46 13 31-0979	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	110.66	16.00
28 46 13 31-0980	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	110.93	20.00
28 46 13 31-0981	EA	IP Communicator (Notifier IPDACT-2)	789.36	39.99
28 46 13 31-0982	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	912.93	39.99
28 46 13 31-0983	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	226.44	39.99
28 46 13 31-0984	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	225.87	39.99
28 46 13 31-0985	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	60.26	16.00
28 46 13 31-0986	EA	Loop Control Module (Notifier LCM-320)	2,515.52	79.99
28 46 13 31-0987	EA	Loop Expander Module (Notifier LEM-320)	1,805.26	79.99
28 46 13 31-0988	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,914.53	79.99
28 46 13 31-0989	EA	7' DACT Phone Cord (Notifier MCBL-7)	29.39	
28 46 13 31-0990	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	230.49	20.00
28 46 13 31-0991	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	270.49	39.99
28 46 13 31-0992	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	270.49	39.99
28 46 13 31-0993	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	828.10	39.99
28 46 13 31-0994	EA	Universal Zone Coder (Notifier UZC-256)	1,145.09	39.99
28 46 13 31-0995	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	355.18	
28 46 13 31-0996	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	936.51	
28 46 13 31-0997	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	628.23	
28 46 13 31-0998	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	5,003.68	24.00
28 46 13 31-0999		**ONYX Cabinets** *(28 46 13 31-0957)*		
28 46 13 31-1000	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	661.63	20.00
28 46 13 31-1001	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	885.22	20.00
28 46 13 31-1002	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,091.86	20.00
28 46 13 31-1003	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	142.95	24.00
28 46 13 31-1004	EA	Chassis Bridge (Notifier CB-1)	128.95	20.00
28 46 13 31-1005	EA	Four Position Chassis (Notifier CHS-4)	209.90	20.00
28 46 13 31-1006	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	264.19	39.99
28 46 13 31-1007	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	127.51	24.00
28 46 13 31-1008	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	158.69	24.00
28 46 13 31-1009	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	479.61	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1010	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	309.46	39.99
28 46 13 31-1011	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	610.13	59.99
28 46 13 31-1012	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	383.79	59.99
28 46 13 31-1013	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	907.69	79.99
28 46 13 31-1014	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	562.71	79.99
28 46 13 31-1015	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	1,102.23	99.98
28 46 13 31-1016	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	655.78	99.98
28 46 13 31-1017	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	326.03	20.00
28 46 13 31-1018	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	227.63	20.00
28 46 13 31-1019	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	227.63	20.00
28 46 13 31-1020	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	331.75	20.00
28 46 13 31-1021	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	255.09	20.00
28 46 13 31-1022	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	417.56	20.00
28 46 13 31-1023	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	288.84	20.00
28 46 13 31-1024	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	495.36	20.00
28 46 13 31-1025	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	410.69	20.00
28 46 13 31-1026	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	729.91	20.00
28 46 13 31-1027	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	458.75	20.00
28 46 13 31-1028	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	871.79	20.00
28 46 13 31-1029	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	435.82	39.99
28 46 13 31-1030	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	632.61	39.99
28 46 13 31-1031	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	737.88	39.99
28 46 13 31-1032	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	455.27	39.99
28 46 13 31-1033	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	676.09	39.99
28 46 13 31-1034	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	785.93	39.99
28 46 13 31-1035	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	439.25	39.99
28 46 13 31-1036	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	632.61	39.99
28 46 13 31-1037	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	747.03	39.99
28 46 13 31-1038	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	475.87	39.99
28 46 13 31-1039	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	676.09	39.99
28 46 13 31-1040	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	785.93	39.99
28 46 13 31-1041	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	3,600.00	199.97
28 46 13 31-1042	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	410.65	39.99
28 46 13 31-1043	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	543.24	119.98
28 46 13 31-1044	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	767.73	159.97
28 46 13 31-1045	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	1,008.57	159.97
28 46 13 31-1046	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,227.72	199.97
28 46 13 31-1047	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	266.49	39.99
28 46 13 31-1048	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	266.49	39.99
28 46 13 31-1049	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	319.12	39.99
28 46 13 31-1050	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	434.68	39.99
28 46 13 31-1051	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	625.75	39.99
28 46 13 31-1052	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	735.59	39.99
28 46 13 31-1053	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	248.79	24.00
28 46 13 31-1054	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	248.79	24.00
28 46 13 31-1055	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	330.60	24.00
28 46 13 31-1056	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	264.23	24.00
28 46 13 31-1057	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	265.95	24.00
28 46 13 31-1058	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	263.09	24.00
28 46 13 31-1059	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	269.38	24.00
28 46 13 31-1060	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	104.51	24.00
28 46 13 31-1061	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	67.72	8.00

28 46 13 31-1062 NFS2-3030/640 Cabinet Mechanicals *(28 46 13 31-0957)*

28 46 13 31-1063	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	178.22	24.00
28 46 13 31-1064	EA	Blank Module Dress Plate (Notifier BM-1B)	147.89	24.00
28 46 13 31-1065	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	167.52	24.00
28 46 13 31-1066	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	320.31	20.00
28 46 13 31-1067	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	376.88	59.99
28 46 13 31-1068	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	185.36	24.00

28 46 13 31-1069 NFS-3030/640 Cabinet Mechanicals *(28 46 13 31-0957)*

28 46 13 31-1070	EA	Annunciator Dress Plate (Notifier ADP-4B)	169.30	24.00
28 46 13 31-1071	EA	Blank Module Dress Plate (Notifier BMP-1)	106.86	24.00
28 46 13 31-1072	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	239.66	39.99
28 46 13 31-1073	EA	Module Dress Plate (Notifier MP-1B)	171.09	24.00

28 46 13 31-1074 Battery Cabinets *(28 46 13 31-0957)*

28 46 13 31-1075	EA	Six Position Chassis (Notifier CHS-6)	155.45	39.99
28 46 13 31-1076	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	764.46	119.98

28 46 13 31-1077 Digital Voice *(28 46 13 31-0957)*

28 46 13 31-1078	EA	Chassis Used With BB-XP (Notifier 18439)	69.17	20.00
28 46 13 31-1079	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	2,327.32	59.99
28 46 13 31-1080	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	2,262.87	59.99
28 46 13 31-1081	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,154.44	59.99
28 46 13 31-1082	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	774.71	59.99
28 46 13 31-1083	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	1,050.19	79.99
28 46 13 31-1084	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,307.83	99.98
28 46 13 31-1085	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	996.11	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1086	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	996.11	39.99
28 46 13 31-1087	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,109.81	39.99
28 46 13 31-1088	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	133.52	20.00
28 46 13 31-1089	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	218.48	20.00
28 46 13 31-1090	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	219.62	20.00
28 46 13 31-1091	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	212.76	20.00
28 46 13 31-1092	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	215.05	20.00
28 46 13 31-1093	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	427.86	20.00
28 46 13 31-1094	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	329.46	20.00
28 46 13 31-1095	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	134.99	
28 46 13 31-1096	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	603.03	39.99
28 46 13 31-1097	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	608.31	39.99
28 46 13 31-1098	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	131.81	20.00
28 46 13 31-1099	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	208.44	39.99
28 46 13 31-1100	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	644.48	59.99
28 46 13 31-1101	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	264.77	39.99
28 46 13 31-1102	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	264.77	39.99
28 46 13 31-1103	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	326.03	20.00
28 46 13 31-1104	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	322.60	20.00
28 46 13 31-1105	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,645.38	39.99
28 46 13 31-1106	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,995.28	39.99
28 46 13 31-1107	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,995.28	39.99
28 46 13 31-1108	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,731.01	39.99
28 46 13 31-1109	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,111.36	39.99
28 46 13 31-1110	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,836.27	39.99
28 46 13 31-1111	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,604.70	39.99
28 46 13 31-1112	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,604.70	39.99
28 46 13 31-1113	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,887.92	39.99
28 46 13 31-1114	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,940.75	39.99
28 46 13 31-1115	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,023.17	39.99
28 46 13 31-1116	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,288.80	39.99
28 46 13 31-1117	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,322.61	39.99
28 46 13 31-1118	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,353.25	39.99
28 46 13 31-1119	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,397.63	39.99
28 46 13 31-1120	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,407.14	39.99
28 46 13 31-1121	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,448.35	39.99
28 46 13 31-1122	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,489.56	39.99
28 46 13 31-1123	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,563.53	39.99
28 46 13 31-1124	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	151.26	20.00
28 46 13 31-1125	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	160.38	24.00
28 46 13 31-1126	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	185.36	24.00
28 46 13 31-1127	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	319.16	24.00
28 46 13 31-1128	EA	WPS Power Amplifier (Notifier DPA3204P)	711.87	39.99
28 46 13 31-1129	EA	WPS Power Amplifier (Notifier DPA4001P)	603.03	39.99
28 46 13 31-1130	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,338.46	39.99
28 46 13 31-1131	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,005.62	39.99
28 46 13 31-1132	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,017.24	39.99
28 46 13 31-1133	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	1,682.93	39.99
28 46 13 31-1134	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	666.43	39.99
28 46 13 31-1135	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	386.62	39.99
28 46 13 31-1136	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	386.62	39.99
28 46 13 31-1137	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	386.62	39.99
28 46 13 31-1138	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	175.24	39.99
28 46 13 31-1139	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	463.55	39.99
28 46 13 31-1140	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,666.79	39.99
28 46 13 31-1141	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	775.45	79.99
28 46 13 31-1142	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	296.32	
28 46 13 31-1143	EA	Portable Fireman's Telephone Handset (Notifier FHS)	179.04	
28 46 13 31-1144	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	207.07	
28 46 13 31-1145	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	526.21	39.99
28 46 13 31-1146	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	526.21	39.99
28 46 13 31-1147	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	88.30	12.00
28 46 13 31-1148	EA	Paging Microphone Only (Notifier MIC-1)	313.69	39.99
28 46 13 31-1149	EA	Firefighter's Telephone Handset (Notifier TELH-1)	204.21	
28 46 13 31-1150	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	773.97	39.99
28 46 13 31-1151	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	773.97	39.99
28 46 13 31-1152		Amplifiers *(28 46 13 31-0957)*		
28 46 13 31-1153	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,487.57	39.99
28 46 13 31-1154	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	3,244.81	39.99
28 46 13 31-1155	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	3,152.04	39.99
28 46 13 31-1156	EA	Audio Coupling Transformer (Notifier ACT-1)	228.06	39.99
28 46 13 31-1157	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	267.31	39.99
28 46 13 31-1158	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	267.31	39.99
28 46 13 31-1159	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	267.31	39.99
28 46 13 31-1160	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	1,808.67	39.99
28 46 13 31-1161	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	1,869.96	39.99
28 46 13 31-1162	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	1,941.81	39.99
28 46 13 31-1163	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	3,524.67	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1164	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	719.26	39.99
28 46 13 31-1165	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	722.43	39.99
28 46 13 31-1166		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 13 31-0957)*		
28 46 13 31-1167	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,613.18	799.88
28 46 13 31-1168	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	4,037.42	799.88
28 46 13 31-1169	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	5,169.18	799.88
28 46 13 31-1170	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,649.18	799.88
28 46 13 31-1171	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	7,328.24	799.88
28 46 13 31-1172		**System Printer** *(28 46 13 31-0957)*		
28 46 13 31-1173	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	3,223.40	39.99
28 46 13 31-1174		**Batteries** *(28 46 13 31-0957)*		
28 46 13 31-1175	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	676.09	39.99
28 46 13 31-1176	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	690.12	39.99
28 46 13 31-1177	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	907.77	39.99
28 46 13 31-1178	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	529.56	39.99
28 46 13 31-1179	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	740.07	39.99
28 46 13 31-1180	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	738.29	39.99
28 46 13 31-1181	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	1,175.01	39.99
28 46 13 31-1182		**Battery Back Boxes And Miscellaneous Mechanicals** *(28 46 13 31-0957)*		
28 46 13 31-1183	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	195.00	32.00
28 46 13 31-1184	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	317.99	32.00
28 46 13 31-1185	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	601.82	159.97
28 46 13 31-1186	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	265.80	79.99
28 46 13 31-1187	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	138.96	20.00
28 46 13 31-1188	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	367.19	32.00
28 46 13 31-1189	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	256.21	32.00
28 46 13 31-1190	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	283.09	32.00
28 46 13 31-1191	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	300.83	32.00
28 46 13 31-1192	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	440.42	32.00
28 46 13 31-1193	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	266.50	32.00
28 46 13 31-1194	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	371.77	32.00
28 46 13 31-1195	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	323.71	32.00
28 46 13 31-1196	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	330.58	32.00
28 46 13 31-1197	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	290.53	32.00
28 46 13 31-1198	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	273.37	32.00
28 46 13 31-1199		**Power Supplies And Chargers** *(28 46 13 31-0957)*		
28 46 13 31-1200	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,576.04	59.99
28 46 13 31-1201	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,652.12	59.99
28 46 13 31-1202	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	2,272.53	39.99
28 46 13 31-1203	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,077.68	39.99
28 46 13 31-1204	EA	10 Amperes Battery Charger (Notifier BC10A)	1,211.50	59.99
28 46 13 31-1205	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	671.49	47.99
28 46 13 31-1206	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	679.50	47.99
28 46 13 31-1207	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	936.02	47.99
28 46 13 31-1208	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	936.02	47.99
28 46 13 31-1209	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	244.75	39.99
28 46 13 31-1210	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,751.60	39.99
28 46 13 31-1211	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	110.93	20.00
28 46 13 31-1212	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	169.85	20.00
28 46 13 31-1213	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	1,161.09	39.99
28 46 13 31-1214	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	971.16	119.98
28 46 13 31-1215	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	932.07	119.98
28 46 13 31-1216	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,068.37	119.98
28 46 13 31-1217	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,059.92	119.98
28 46 13 31-1218	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	1,003.34	59.99
28 46 13 31-1219	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	1,003.34	59.99
28 46 13 31-1220	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,236.86	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1221	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,182.97	59.99
28 46 13 31-1222	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,254.82	119.98
28 46 13 31-1223	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,254.82	119.98
28 46 13 31-1224	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	913.05	119.98
28 46 13 31-1225	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	913.05	119.98
28 46 13 31-1226	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	980.67	119.98
28 46 13 31-1227	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	980.67	119.98
28 46 13 31-1228	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	799.98	119.98
28 46 13 31-1229	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	932.07	119.98
28 46 13 31-1230	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	197.43	20.00
28 46 13 31-1231	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,559.99	39.99
28 46 13 31-1232	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	242.46	39.99
28 46 13 31-1233	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,789.35	39.99
28 46 13 31-1234	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	943.69	119.98
28 46 13 31-1235	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	980.67	119.98
28 46 13 31-1236	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	857.68	39.99
28 46 13 31-1237	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	911.99	119.98
28 46 13 31-1238	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	891.91	119.98
28 46 13 31-1239		**Network Control Annunciators** *(28 46 13 31-0957)*		
28 46 13 31-1240	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	3,183.56	119.98
28 46 13 31-1241	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	121.13	24.00
28 46 13 31-1242	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	87.24	24.00
28 46 13 31-1243		**FIRSTVISION Firefighter's Display** *(28 46 13 31-0957)*		
28 46 13 31-1244	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	24,607.54	799.88
28 46 13 31-1245		**FlashScan Addressable Modules** *(28 46 13 31-0957)*		
28 46 13 31-1246	EA	Intelligent Addressable Control Module (Notifier FCM-1)	274.45	39.99
28 46 13 31-1247	EA	Addressable Dual Monitor Module (Notifier FDM-1)	306.56	39.99
28 46 13 31-1248	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	228.06	39.99
28 46 13 31-1249	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	203.09	39.99
28 46 13 31-1250	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	418.95	39.99
28 46 13 31-1251	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	207.28	39.99
28 46 13 31-1252	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	345.81	39.99
28 46 13 31-1253	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	224.49	39.99
28 46 13 31-1254		**Addressable Device Bases And Accessories** *(28 46 13 31-0957)*		
28 46 13 31-1255	EA	Intelligent Detector Base With Flange (Notifier B710LP)	73.07	20.00
28 46 13 31-1256	EA	Weatherproof Device Housing (Notifier DH400OE-1)	706.17	39.99
28 46 13 31-1257	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	69.17	20.00
28 46 13 31-1258	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	336.32	20.00
28 46 13 31-1259	EA	Swift AV Base Wall (Notifier WAV-RL)	336.32	20.00
28 46 13 31-1260		**XP6/XP10 Transponder** *(28 46 13 31-0957)*		
28 46 13 31-1261	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	202.19	39.99
28 46 13 31-1262	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	1,014.81	39.99
28 46 13 31-1263	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,228.89	39.99
28 46 13 31-1264	EA	Six Relay Control Module (Notifier XP6-R)	975.56	39.99
28 46 13 31-1265	EA	Ten Input Monitor Module (Notifier XP10-M)	1,175.37	39.99
28 46 13 31-1266		**LCD Display Annunciators** *(28 46 13 31-0957)*		
28 46 13 31-1267	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,301.44	119.98
28 46 13 31-1268	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,827.72	119.98
28 46 13 31-1269	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,891.94	119.98
28 46 13 31-1270	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	954.12	39.99
28 46 13 31-1271	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	513.62	39.99
28 46 13 31-1272	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,231.00	39.99
28 46 13 31-1273	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	671.07	119.98
28 46 13 31-1274		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-0957)*		
28 46 13 31-1275	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	553.67	39.99
28 46 13 31-1276	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,344.85	39.99
28 46 13 31-1277	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	1,029.08	39.99
28 46 13 31-1278	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,344.85	39.99
28 46 13 31-1279	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	1,029.08	39.99
28 46 13 31-1280	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	1,029.08	39.99
28 46 13 31-1281	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	922.04	39.99
28 46 13 31-1282	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	1,029.08	39.99
28 46 13 31-1283	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	922.04	39.99
28 46 13 31-1284		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-0957)*		
28 46 13 31-1285	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	420.43	79.99
28 46 13 31-1286	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	457.90	79.99
28 46 13 31-1287	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	526.44	99.98
28 46 13 31-1288	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	574.61	99.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1289	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	925.77	139.98
28 46 13 31-1290	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	164.84	24.00
28 46 13 31-1291	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	267.90	79.99
28 46 13 31-1292	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	201.54	20.00
28 46 13 31-1293	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	336.59	79.99
28 46 13 31-1294	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	599.59	99.98
28 46 13 31-1295	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	371.98	20.00
28 46 13 31-1296	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	973.94	139.98
28 46 13 31-1297	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	624.53	24.00
28 46 13 31-1298	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	246.29	32.00
28 46 13 31-1299	EA	Annunciator Key Switch (Notifier AKS-1B)	121.54	12.00
28 46 13 31-1300	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	155.81	39.99
28 46 13 31-1301	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	922.04	39.99
28 46 13 31-1302	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	207.65	8.00
28 46 13 31-1303	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	259.13	8.00
28 46 13 31-1304	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	759.69	39.99
28 46 13 31-1305	EA	Lamp Driver Module (Notifier LDM-R32)	1,012.47	39.99
28 46 13 31-1306	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	940.39	39.99
28 46 13 31-1307	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	266.00	8.00
28 46 13 31-1308	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	246.50	24.00
28 46 13 31-1309	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	150.26	24.00
28 46 13 31-1310	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	150.26	24.00
28 46 13 31-1311	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	236.20	24.00
28 46 13 31-1312	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	236.20	24.00
28 46 13 31-1313	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	607.20	39.99

28 46 13 31-1314 Network Gateways *(28 46 13 31-0957)*

28 46 13 31-1315	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	3,355.61	39.99
28 46 13 31-1316	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,501.83	39.99
28 46 13 31-1317	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,816.71	39.99
28 46 13 31-1318	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,102.01	39.99
28 46 13 31-1319	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	2,524.02	39.99
28 46 13 31-1320	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,456.40	39.99
28 46 13 31-1321	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,763.88	39.99
28 46 13 31-1322	EA	Modbus Gateway (Notifier MODBUS-GW)	2,753.31	39.99
28 46 13 31-1323	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,191.01	26.40
28 46 13 31-1324	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,733.72	26.40
28 46 13 31-1325	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	14,951.52	26.40
28 46 13 31-1326	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	772.11	59.99
28 46 13 31-1327	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,402.01	59.99
28 46 13 31-1328	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,039.31	59.99
28 46 13 31-1329	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,251.07	
28 46 13 31-1330	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,897.75	39.99
28 46 13 31-1331	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,897.75	39.99
28 46 13 31-1332	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,809.96	39.99
28 46 13 31-1333	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,433.39	39.99
28 46 13 31-1334	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,809.96	39.99
28 46 13 31-1335	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,897.75	39.99
28 46 13 31-1336	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,778.53	
28 46 13 31-1337	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	29,008.85	959.86
28 46 13 31-1338	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,095.31	
28 46 13 31-1339	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,095.31	
28 46 13 31-1340	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,178.91	39.99
28 46 13 31-1341	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	964.41	39.99
28 46 13 31-1342	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,142.98	39.99
28 46 13 31-1343	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,272.95	39.99
28 46 13 31-1344	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	2,626.52	39.99
28 46 13 31-1345	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,688.50	39.99
28 46 13 31-1346	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,964.22	
28 46 13 31-1347	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,633.51	26.40
28 46 13 31-1348	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	525.27	39.99

28 46 13 31-1349 NOTI-FIRE-NET Network Components *(28 46 13 31-0957)*

28 46 13 31-1350	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,897.75	39.99
28 46 13 31-1351	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,733.76	39.99
28 46 13 31-1352	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,897.75	39.99
28 46 13 31-1353	EA	Wired Network Communications Module (Notifier NCM-W)	1,651.69	39.99
28 46 13 31-1354	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	147.94	20.00

28 46 13 31-1355 FireWarden Addressable Fire Panels *(28 46 13 31-0957)*

28 46 13 31-1356	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	3,303.49	799.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1357	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,936.81	799.88
28 46 13 31-1358	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,402.41	399.94
28 46 13 31-1359	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,402.41	399.94
28 46 13 31-1360	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	3,389.74	399.94
28 46 13 31-1361	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	3,822.96	399.94
28 46 13 31-1362	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,876.20	399.94
28 46 13 31-1363		**FireWarden Accessories** *(28 46 13 31-0957)*		
28 46 13 31-1364	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	254.99	59.99
28 46 13 31-1365	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	243.55	59.99
28 46 13 31-1366		**FireWarden Devices** *(28 46 13 31-0957)*		
28 46 13 31-1367	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	222.71	39.99
28 46 13 31-1368	EA	Intelligent Addressable Control Module (Notifier NC-100)	265.53	39.99
28 46 13 31-1369	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	254.82	39.99
28 46 13 31-1370	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	518.71	59.99
28 46 13 31-1371	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	623.18	59.99
28 46 13 31-1372	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	254.82	39.99
28 46 13 31-1373	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	259.13	59.99
28 46 13 31-1374	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	259.13	59.99
28 46 13 31-1375	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	259.13	59.99
28 46 13 31-1376	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	351.90	59.99
28 46 13 31-1377	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	219.14	39.99
28 46 13 31-1378	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	198.63	39.99
28 46 13 31-1379	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	298.53	39.99
28 46 13 31-1380	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	271.62	59.99
28 46 13 31-1381	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	335.10	39.99
28 46 13 31-1382	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,200.34	39.99
28 46 13 31-1383		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-0957)*		
28 46 13 31-1384	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	2,171.82	639.91
28 46 13 31-1385	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	2,401.96	639.91
28 46 13 31-1386	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,448.66	199.97
28 46 13 31-1387	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,616.67	199.97
28 46 13 31-1388	EA	Class A Converter Module (Notifier CAC-4)	460.99	39.99
28 46 13 31-1389	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	171.84	24.00
28 46 13 31-1390	EA	Remote Zone Annunciator (Notifier RZA-4X)	260.71	59.99
28 46 13 31-1391	EA	Red, Dress Panel (Notifier DP-51050)	205.31	24.00
28 46 13 31-1392	EA	Black, Dress Panel (Notifier DP-51050B)	207.60	24.00
28 46 13 31-1393		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-0957)*		
28 46 13 31-1394	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	3,374.85	799.88
28 46 13 31-1395	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,974.29	599.92
28 46 13 31-1396	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	3,285.14	399.94
28 46 13 31-1397	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	3,285.14	399.94
28 46 13 31-1398	EA	Class A Converter Module (Notifier N-CAC-5X)	477.01	39.99
28 46 13 31-1399	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	185.29	24.00
28 46 13 31-1400	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	4,344.94	599.92
28 46 13 31-1401	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,880.43	399.94
28 46 13 31-1402	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,858.24	399.94
28 46 13 31-1403		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-0957)*		
28 46 13 31-1404	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	6,104.48	799.88
28 46 13 31-1405	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	4,566.07	599.92
28 46 13 31-1406	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,874.37	799.88
28 46 13 31-1407	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	5,365.96	799.88
28 46 13 31-1408	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	1,003.51	119.98
28 46 13 31-1409	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	5,399.49	799.88
28 46 13 31-1410	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	4,031.12	599.92
28 46 13 31-1411	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,804.59	799.88
28 46 13 31-1412		**Smoke Detectors** *(28 46 13 31-0957)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1413	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	376.88	59.99
28 46 13 31-1414	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	637.34	59.99
28 46 13 31-1415	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,512.92	59.99
28 46 13 31-1416	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	230.96	59.99
28 46 13 31-1417	EA	Filters For Harsh Detector (Notifier RF-FTX)	28.40	
28 46 13 31-1418	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	227.62	39.99
28 46 13 31-1419	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	1,859.23	59.99
28 46 13 31-1420	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	239.26	59.99
28 46 13 31-1421	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	258.14	59.99
28 46 13 31-1422	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	248.70	59.99
28 46 13 31-1423	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	265.86	59.99
28 46 13 31-1424	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	249.84	59.99
28 46 13 31-1425	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	267.00	59.99
28 46 13 31-1426	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	209.22	59.99
28 46 13 31-1427	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	209.22	59.99
28 46 13 31-1428	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	225.24	59.99
28 46 13 31-1429	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	225.24	59.99
28 46 13 31-1430	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	209.22	59.99
28 46 13 31-1431	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	225.24	59.99
28 46 13 31-1432	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	506.70	59.99
28 46 13 31-1433	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	541.03	59.99
28 46 13 31-1434	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	505.56	59.99
28 46 13 31-1435	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	467.80	59.99
28 46 13 31-1436	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	427.76	59.99
28 46 13 31-1437	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	427.76	59.99
28 46 13 31-1438	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	320.21	59.99
28 46 13 31-1439	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	2,842.97	59.99
28 46 13 31-1440	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,477.06	59.99

28 46 13 31-1441 Pull Stations *(28 46 13 31-0957)*

28 46 13 31-1442	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	39.80	8.00
28 46 13 31-1443	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	100.97	20.00
28 46 13 31-1444	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	87.59	20.00
28 46 13 31-1445	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	138.43	39.99
28 46 13 31-1446	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	151.13	39.99
28 46 13 31-1447	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	201.10	39.99
28 46 13 31-1448	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	138.43	39.99
28 46 13 31-1449	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	157.06	39.99
28 46 13 31-1450	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	157.06	39.99
28 46 13 31-1451	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	157.06	39.99
28 46 13 31-1452	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	149.44	39.99
28 46 13 31-1453	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	160.45	39.99
28 46 13 31-1454	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	958.21	47.99
28 46 13 31-1455	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	153.58	39.99
28 46 13 31-1456	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	354.66	47.99
28 46 13 31-1457	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	181.53	39.99
28 46 13 31-1458	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	155.50	39.99
28 46 13 31-1459	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	300.31	39.99
28 46 13 31-1460	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	71.90	8.00
28 46 13 31-1461	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	490.71	47.99

28 46 13 31-1462 Rate Compensation Heat Detectors *(28 46 13 31-0957)*

28 46 13 31-1463	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	276.97	59.99
28 46 13 31-1464	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	276.97	59.99

28 46 13 31-1465 FM Series Door Releases *(28 46 13 31-0957)*

28 46 13 31-1466	EA	1/2" Door Holder Spacer (Notifier FM900-50)	45.41	12.00
28 46 13 31-1467	EA	3/4" Door Holder Spacer (Notifier FM900-75)	45.41	12.00
28 46 13 31-1468	EA	1" Door Holder Spacer (Notifier FM900-100)	45.41	12.00
28 46 13 31-1469	EA	Door Holder Extension Kit (Notifier FM900)	48.08	12.00
28 46 13 31-1470	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	48.98	12.00
28 46 13 31-1471	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	308.86	59.99
28 46 13 31-1472	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	269.84	59.99
28 46 13 31-1473	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	269.84	59.99

28 46 13 31-1474 Multicriteria Fire Detector *(28 46 13 31-0957)*

28 46 13 31-1475	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	377.41	59.99
28 46 13 31-1476	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	376.27	59.99
28 46 13 31-1477	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	254.99	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1478	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	263.00	59.99
28 46 13 31-1479	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	377.41	59.99
28 46 13 31-1480		**Modules** *(28 46 13 31-0957)*		
28 46 13 31-1481	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	435.82	39.99
28 46 13 31-1482	EA	Addressable Firephone Control Module (Notifier FTM-1)	276.78	39.99
28 46 13 31-1483	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	422.09	39.99
28 46 13 31-1484	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	485.02	39.99
28 46 13 31-1485	EA	Wireless Sync Module (Notifier W-SYNC)	463.55	39.99
28 46 13 31-1486		**DH Series Door Releases** *(28 46 13 31-0957)*		
28 46 13 31-1487	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	243.26	59.99
28 46 13 31-1488	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	257.28	59.99
28 46 13 31-1489	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	270.44	59.99
28 46 13 31-1490	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	267.00	59.99
28 46 13 31-1491	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	278.44	59.99
28 46 13 31-1492	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	288.17	59.99
28 46 13 31-1493	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	243.26	59.99
28 46 13 31-1494	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	255.56	59.99
28 46 13 31-1495	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	270.44	59.99
28 46 13 31-1496	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	301.90	59.99
28 46 13 31-1497	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	320.21	59.99
28 46 13 31-1498	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	341.37	59.99
28 46 13 31-1499	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	346.52	59.99
28 46 13 31-1500	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	368.26	59.99
28 46 13 31-1501	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	394.58	59.99
28 46 13 31-1502	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	28.53	8.00
28 46 13 31-1503	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	28.53	8.00
28 46 13 31-1504	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	30.87	8.00
28 46 13 31-1505	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	28.53	8.00
28 46 13 31-1506	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	28.53	8.00
28 46 13 31-1507	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	30.87	8.00
28 46 13 31-1508	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	29.73	8.00
28 46 13 31-1509	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	29.73	8.00
28 46 13 31-1510	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	30.87	8.00
28 46 13 31-1511	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	32.19	8.00
28 46 13 31-1512	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	32.19	8.00
28 46 13 31-1513	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	32.19	8.00
28 46 13 31-1514	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	33.39	8.00
28 46 13 31-1515	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	33.39	8.00
28 46 13 31-1516	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	33.39	8.00
28 46 13 31-1517	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	34.71	8.00
28 46 13 31-1518	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	34.71	8.00
28 46 13 31-1519	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	35.91	8.00
28 46 13 31-1520	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	35.91	8.00
28 46 13 31-1521	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	37.22	8.00
28 46 13 31-1522	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	40.94	8.00
28 46 13 31-1523	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	39.68	8.00
28 46 13 31-1524	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	38.43	8.00
28 46 13 31-1525	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	40.94	8.00
28 46 13 31-1526	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	40.19	12.00
28 46 13 31-1527	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	41.39	12.00
28 46 13 31-1528	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	45.22	12.00
28 46 13 31-1529	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	70.11	12.00
28 46 13 31-1530	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	73.77	12.00
28 46 13 31-1531	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	77.43	12.00
28 46 13 31-1532	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	68.59	20.00
28 46 13 31-1533	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	71.11	20.00
28 46 13 31-1534	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	76.15	20.00
28 46 13 31-1535	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	
28 46 13 31-1536		**First Command** *(28 46 13 31-0957)*		
28 46 13 31-1537	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	7,454.67	999.85
28 46 13 31-1538	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	7,518.06	999.85
28 46 13 31-1539	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,861.60	79.99
28 46 13 31-1540	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,909.15	79.99
28 46 13 31-1541	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,341.97	79.99
28 46 13 31-1542	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,447.63	79.99
28 46 13 31-1543	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	858.10	39.99
28 46 13 31-1544	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	858.10	39.99
28 46 13 31-1545	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	542.23	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1546	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	702.36	39.99
28 46 13 31-1547	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	2,491.37	79.99
28 46 13 31-1548	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	2,440.65	79.99
28 46 13 31-1549	EA	Black, Remote Microphone (Notifier NFC-RM)	692.26	
28 46 13 31-1550	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	2,076.10	79.99
28 46 13 31-1551	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	415.23	39.99
28 46 13 31-1552	EA	Firefighters Phone Jack (Notifier N-FPJ)	187.04	12.00
28 46 13 31-1553	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	55.58	12.00
28 46 13 31-1554	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	172.99	24.00

28 46 13 31-1555 LED Displays *(28 46 13 31-0957)*

28 46 13 31-1556	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,904.96	47.99
28 46 13 31-1557	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,675.56	63.99
28 46 13 31-1558	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,706.21	63.99
28 46 13 31-1559	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,600.54	63.99
28 46 13 31-1560	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,625.49	63.99
28 46 13 31-1561	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,759.04	63.99

28 46 13 31-1562 Control Relays *(28 46 13 31-0957)*

28 46 13 31-1563	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	88.85	20.00
28 46 13 31-1564	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	69.51	20.00
28 46 13 31-1565	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	237.31	39.99
28 46 13 31-1566	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	131.81	20.00
28 46 13 31-1567	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	155.55	20.00
28 46 13 31-1568	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	243.60	39.99
28 46 13 31-1569	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	243.60	39.99
28 46 13 31-1570	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	132.62	39.99
28 46 13 31-1571	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	74.54	20.00
28 46 13 31-1572	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	257.91	39.99
28 46 13 31-1573	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	100.81	39.99
28 46 13 31-1574	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	100.81	39.99
28 46 13 31-1575	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	100.81	39.99

28 46 13 31-1576 Gamewell-FCI Fire Control Instruments *(28 46 13 31-0957)*

28 46 13 31-1577 7100 Series And NetSOLO® *(28 46 13 31-1576)*

28 46 13 31-1578 7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 13 31-1577)*

28 46 13 31-1579	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,372.91	479.93
28 46 13 31-1580	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	5,731.98	799.88
28 46 13 31-1581	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	6,212.74	799.88
28 46 13 31-1582	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	5,731.98	799.88
28 46 13 31-1583	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	6,212.74	799.88
28 46 13 31-1584	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,641.18	
28 46 13 31-1585	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,962.81	
28 46 13 31-1586	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,962.81	79.99

28 46 13 31-1587 NetSOLO® Intelligent Network *(28 46 13 31-1577)*

28 46 13 31-1588	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,174.41	79.99
28 46 13 31-1589	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,732.59	79.99

28 46 13 31-1590 Components And Accessories *(28 46 13 31-1577)*

28 46 13 31-1591	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,078.11	59.99
28 46 13 31-1592	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	830.32	79.99
28 46 13 31-1593	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,502.37	79.99
28 46 13 31-1594	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	620.41	79.99
28 46 13 31-1595	EA	Enclosure Box (Gamewell-FCI EN-7100)	534.94	159.97
28 46 13 31-1596	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,556.12	39.99

28 46 13 31-1597 E3 Series® Basic System *(28 46 13 31-1576)*

28 46 13 31-1598	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,471.51	79.99
28 46 13 31-1599	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,272.45	79.99
28 46 13 31-1600	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,471.51	79.99
28 46 13 31-1601	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,272.45	79.99
28 46 13 31-1602	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	928.59	79.99
28 46 13 31-1603	EA	Power Supply Module (Gamewell-FCI PM-9)	1,208.25	79.99
28 46 13 31-1604	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	1,021.23	79.99
28 46 13 31-1605	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	997.92	39.99
28 46 13 31-1606	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	591.28	79.99
28 46 13 31-1607	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,542.41	79.99
28 46 13 31-1608	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,296.32	79.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1609	EA	Local Operating Console (Gamewell-FCI 1100-0455)	867.38	59.99
28 46 13 31-1610	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,754.28	59.99
28 46 13 31-1611	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,110.62	79.99
28 46 13 31-1612	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,333.61	79.99
28 46 13 31-1613	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	814.48	159.97
28 46 13 31-1614	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	612.83	159.97
28 46 13 31-1615	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	136.00	39.99
28 46 13 31-1616	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	786.20	79.99
28 46 13 31-1617	EA	LED Driver module (Gamewell-FCI ANU-48)	786.20	79.99
28 46 13 31-1618	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,312.51	59.99

28 46 13 31-1619 Addressable Devices, Module, Pulls And Accessories *(28 46 13 31-1576)*

28 46 13 31-1620 Velociti® Series Sensors And Bases *(28 46 13 31-1619)*

28 46 13 31-1621	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	258.79	59.99
28 46 13 31-1622	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	263.87	59.99
28 46 13 31-1623	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	279.10	59.99
28 46 13 31-1624	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	218.16	59.99
28 46 13 31-1625	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	226.63	59.99
28 46 13 31-1626	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	218.16	59.99
28 46 13 31-1627	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	314.65	59.99
28 46 13 31-1628	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	670.14	59.99
28 46 13 31-1629	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	580.85	99.98
28 46 13 31-1630	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	648.56	99.98
28 46 13 31-1631	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	330.32	
28 46 13 31-1632	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	67.07	20.00
28 46 13 31-1633	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	720.93	59.99
28 46 13 31-1634	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	145.79	20.00
28 46 13 31-1635	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,525.25	119.98

28 46 13 31-1636 Velociti® Series Modules And Pull Station *(28 46 13 31-1619)*

28 46 13 31-1637	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	187.48	39.99
28 46 13 31-1638	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	294.98	39.99
28 46 13 31-1639	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	204.41	39.99
28 46 13 31-1640	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	283.13	39.99
28 46 13 31-1641	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	238.27	39.99
28 46 13 31-1642	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	246.73	39.99
28 46 13 31-1643	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	352.10	79.99
28 46 13 31-1644	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	254.35	39.99
28 46 13 31-1645	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	41.39	8.00

28 46 13 31-1646 Components And Accessories *(28 46 13 31-1619)*

28 46 13 31-1647	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	106.31	32.00
28 46 13 31-1648	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	53.16	16.00
28 46 13 31-1649	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	56.55	16.00
28 46 13 31-1650	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	67.92	20.00
28 46 13 31-1651	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	107.24	24.00
28 46 13 31-1652	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	158.79	32.00

28 46 13 31-1653 Fixed And Rate of Rise Heat Detectors *(28 46 13 31-1619)*

28 46 13 31-1654	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	148.76	59.99
28 46 13 31-1655	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	148.76	59.99
28 46 13 31-1656	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	147.10	59.99
28 46 13 31-1657	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	147.10	59.99

28 46 13 31-1658 NAC Expander/Power Supply *(28 46 13 31-1619)*

28 46 13 31-1659	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,498.64	639.91
28 46 13 31-1660	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	2,177.01	639.91
28 46 13 31-1661	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	2,337.83	639.91

28 46 13 31-1662 Batteries And Accessories *(28 46 13 31-1576)*

28 46 13 31-1663	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	371.15	39.99
28 46 13 31-1664	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	923.01	39.99
28 46 13 31-1665	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	201.87	39.99
28 46 13 31-1666	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	466.37	79.99
28 46 13 31-1667	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	466.37	79.99
28 46 13 31-1668	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	417.28	79.99

28 46 13 31-1669 Electronic Door Holders *(28 46 13 31-1576)*

Note: Rixson products.

28 46 13 31-1670	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	65.77	8.00
28 46 13 31-1671	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	526.25	59.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1672	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	710.77	59.99
28 46 13 31-1673	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	342.42	59.99
28 46 13 31-1674	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	327.18	59.99
28 46 13 31-1675	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	342.42	59.99
28 46 13 31-1676	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	341.74	59.99

28 46 13 31-1677 Fire Alarm Programming *(28 46 13 31-1576)*

Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.

28 46 13 31-1678	EA	Program And Test Up To 5 Total Fire Alarm Devices Note: No additional labor is required to complete this task	500.00	
28 46 13 31-1679	EA	Program And Test >5 To 20 Total Fire Alarm Devices Note: No additional labor is required to complete this task	1,000.00	
28 46 13 31-1680	EA	Program And Test >20 To 50 Total Fire Alarm Devices Note: No additional labor is required to complete this task	2,000.00	

28 46 13 31-1681 Fire-Lite Fire Alarm *(28 46 13 31-0956)*

28 46 13 31-1682 Intelligent Addressable Fire Alarm Control Panel *(28 46 13 31-1681)*

28 46 13 31-1683	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,478.56	319.95
28 46 13 31-1684	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,881.14	359.94
28 46 13 31-1685	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,747.89	399.94
28 46 13 31-1686	EA	Loop Expander Module (Fire-Lite SLC-3LS)	790.80	59.99
28 46 13 31-1687	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	230.55	39.99
28 46 13 31-1688	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	318.80	39.99
28 46 13 31-1689	EA	Battery Back Box (Fire-Lite BB-26)	195.63	24.00
28 46 13 31-1690	EA	Battery Box (Fire-Lite BB-55F)	352.27	24.00
28 46 13 31-1691	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	100.82	16.00
28 46 13 31-1692	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	819.24	39.99
28 46 13 31-1693	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,743.92	79.99
28 46 13 31-1694	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	947.24	39.99
28 46 13 31-1695	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	978.19	39.99
28 46 13 31-1696	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	393.42	39.99
28 46 13 31-1697	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	477.64	39.99
28 46 13 31-1698	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	419.88	39.99
28 46 13 31-1699	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	419.88	39.99
28 46 13 31-1700	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	341.00	39.99
28 46 13 31-1701	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	333.87	39.99
28 46 13 31-1702	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365 A)	189.52	59.99
28 46 13 31-1703	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T A)	209.00	59.99
28 46 13 31-1704	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R A)	214.58	59.99
28 46 13 31-1705	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	361.87	59.99
28 46 13 31-1706	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365 A)	182.56	59.99
28 46 13 31-1707	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R A)	201.96	59.99
28 46 13 31-1708	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT A)	233.59	59.99
28 46 13 31-1709	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	676.08	59.99
28 46 13 31-1710	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355 A)	268.03	59.99
28 46 13 31-1711	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355 A)	189.52	59.99
28 46 13 31-1712	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T A)	236.54	59.99
28 46 13 31-1713	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R A)	261.45	59.99
28 46 13 31-1714	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	199.95	59.99
28 46 13 31-1715	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355 A)	235.89	59.99
28 46 13 31-1716	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R A)	229.21	59.99
28 46 13 31-1717	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT A)	263.65	59.99
28 46 13 31-1718	EA	Low-Profile, Intelligent, 'Adapt' Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355 A)	258.16	59.99
28 46 13 31-1719	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	164.93	39.99
28 46 13 31-1720	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	187.54	39.99
28 46 13 31-1721	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	211.91	39.99
28 46 13 31-1722	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	216.01	39.99
28 46 13 31-1723	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,803.41	59.99
28 46 13 31-1724	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	2,060.04	59.99
28 46 13 31-1725	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL A)	305.68	39.99
28 46 13 31-1726	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR A)	192.90	39.99
28 46 13 31-1727	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	286.66	39.99
28 46 13 31-1728	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	124.69	24.00
28 46 13 31-1729	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	607.59	39.99
28 46 13 31-1730	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	189.76	39.99
28 46 13 31-1731	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	510.47	39.99
28 46 13 31-1732	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	102.17	20.00
28 46 13 31-1733	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	459.22	39.99
28 46 13 31-1734	EA	Dual Monitor Module (Fire-Lite MDF-300)	226.93	39.99
28 46 13 31-1735	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	101.91	20.00
28 46 13 31-1736	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	656.13	39.99
28 46 13 31-1737	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	137.69	32.00
28 46 13 31-1738	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	193.56	39.99
28 46 13 31-1739	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	649.13	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1740	EA	Mount For Modules (Fire-Lite SMB500)	20.55	4.00
28 46 13 31-1741		**Addressable Control Panels** *(28 46 13 31-1681)*		
28 46 13 31-1742	EA	25 Point Intelligent Control (Fire Lite MS-25)	2,514.90	799.88
28 46 13 31-1743	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,737.55	799.88
28 46 13 31-1744	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,880.61	799.88
28 46 13 31-1745	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	5,656.91	799.88
28 46 13 31-1746	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	5,556.71	799.88
28 46 13 31-1747	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	709.64	
28 46 13 31-1748		**Silent Knight Fire Alarm** *(28 46 13 31-0956)*		
28 46 13 31-1749		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1748)*		
28 46 13 31-1750	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,825.76	399.94
28 46 13 31-1751		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1748)*		
28 46 13 31-1752	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	5,312.18	399.94
28 46 13 31-1753		**Compatable EVS Equipment** *(28 46 13 31-1748)*		
28 46 13 31-1754	EA	50 Watt Amplifier (Silent Knight EVS-50W)	972.37	79.99
28 46 13 31-1755	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,676.33	79.99
28 46 13 31-1756	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	2,074.58	79.99
28 46 13 31-1757	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	753.54	79.99
28 46 13 31-1758	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	710.82	79.99
28 46 13 31-1759	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	254.42	20.00
28 46 13 31-1760	EA	Remote Voice Module (Silent Knight EVS-RVM)	1,107.37	32.00
28 46 13 31-1761	EA	24 Switch Expander (Silent Knight EVS-SW24)	452.19	39.99
28 46 13 31-1762	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,322.42	32.00
28 46 13 31-1763	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,797.95	79.99
28 46 13 31-1764		**Compatable SBUS Devices** *(28 46 13 31-1748)*		
28 46 13 31-1765	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	1,092.17	79.99
28 46 13 31-1766	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	511.02	79.99
28 46 13 31-1767	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	601.29	79.99
28 46 13 31-1768	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	408.70	79.99
28 46 13 31-1769	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	514.41	79.99
28 46 13 31-1770	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	541.56	79.99
28 46 13 31-1771	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	421.87	59.99
28 46 13 31-1772	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	257.62	39.99
28 46 13 31-1773	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	342.05	39.99
28 46 13 31-1774		**SK Compatible Addressable Device** *(28 46 13 31-1748)*		
28 46 13 31-1775	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	197.15	59.99
28 46 13 31-1776	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	992.91	59.99
28 46 13 31-1777	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	1,121.94	59.99
28 46 13 31-1778	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,261.86	59.99
28 46 13 31-1779	EA	Supervised Control Module (Silent Knight SK-CONTROL)	195.45	59.99
28 46 13 31-1780	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	540.44	79.99
28 46 13 31-1781	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	300.11	59.99
28 46 13 31-1782	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	273.51	59.99
28 46 13 31-1783	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	302.25	59.99
28 46 13 31-1784	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	181.74	59.99
28 46 13 31-1785	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	186.11	59.99
28 46 13 31-1786	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	183.46	59.99
28 46 13 31-1787	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	186.11	59.99
28 46 13 31-1788	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	181.74	59.99
28 46 13 31-1789	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	186.11	59.99
28 46 13 31-1790	EA	Fault Isolator Module (Silent Knight SK-ISO)	181.74	59.99
28 46 13 31-1791	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	169.72	59.99
28 46 13 31-1792	EA	Monitor Module (Silent Knight SK-MONITOR)	178.61	59.99
28 46 13 31-1793	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	222.92	59.99
28 46 13 31-1794	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	604.95	79.99
28 46 13 31-1795	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	185.17	59.99
28 46 13 31-1796	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	194.17	59.99
28 46 13 31-1797	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	187.73	59.99
28 46 13 31-1798	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	196.86	59.99
28 46 13 31-1799	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	192.03	59.99
28 46 13 31-1800	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	201.14	59.99
28 46 13 31-1801	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	211.88	59.99
28 46 13 31-1802	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	166.74	39.99
28 46 13 31-1803	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	166.74	39.99
28 46 13 31-1804	EA	Addressable Relay Module (Silent Knight SK-RELAY)	155.46	39.99
28 46 13 31-1805	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	527.20	79.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1806	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	334.41	59.99
28 46 13 31-1807	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	209.19	59.99
28 46 13 31-1808	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	628.12	79.99
28 46 13 31-1809		**SK Bases** *(28 46 13 31-1748)*		
28 46 13 31-1810	EA	6" Mounting Base (Silent Knight B210LP)	54.14	20.00
28 46 13 31-1811	EA	4" Flangeless Mounting Base (Silent Knight B501)	57.00	20.00
28 46 13 31-1812	EA	Intelligent Sounder Base (Silent Knight B200S)	101.73	20.00
28 46 13 31-1813	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	137.78	20.00
28 46 13 31-1814	EA	Relay Base (Silent Knight B224RB)	85.29	20.00
28 46 13 31-1815	EA	Isolator Base (Silent Knight B224BI)	84.41	20.00
28 46 13 31-1816		**SD Compatible Addressable Device** *(28 46 13 31-1748)*		
28 46 13 31-1817	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	52.33	20.00
28 46 13 31-1818	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	67.41	20.00
28 46 13 31-1819	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	168.26	20.00
28 46 13 31-1820	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	173.91	20.00
28 46 13 31-1821	EA	Addressable Input Module (Silent Knight SD500-AIM)	292.80	59.99
28 46 13 31-1822	EA	Addressable Notification Module (Silent Knight SD500-ANM)	281.25	59.99
28 46 13 31-1823	EA	Addressable Relay Module (Silent Knight SD500-ARM)	301.22	59.99
28 46 13 31-1824		**System Expanders** *(28 46 13 31-1748)*		
28 46 13 31-1825	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	599.69	79.99
28 46 13 31-1826	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	533.07	79.99
28 46 13 31-1827	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	900.49	39.99
28 46 13 31-1828	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	672.43	119.98
28 46 13 31-1829		**Miscellaneous Accessories** *(28 46 13 31-1748)*		
28 46 13 31-1830	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	167.47	39.99
28 46 13 31-1831		**Silent Knight Fire Alarm** *(28 46 13 31-0956)*		
28 46 13 31-1832	EA	Detector (Silent Knight IDP-PhotoR)	302.50	59.99
28 46 13 31-1833	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	905.54	119.98
28 46 13 31-1834	EA	Monitoring Module (Silent Knight IDP)	312.11	59.99
28 46 13 31-1835	EA	I/O Input-Output Module (Silent Knight SK-2880)	752.45	39.99
28 46 13 31-1836	EA	Remote Annunciator (Silent Knight RA-2000)	2,161.26	119.98
28 46 13 31-1837	EA	Power Supply (Silent Knight 5195/96)	1,328.83	39.99
28 46 13 31-1838	EA	8 Zone Expander (Silent Knight SK-5210)	1,040.64	39.99
28 46 13 31-1839	EA	10 Zone Expander (Silent Knight SK-5217)	473.49	39.99
28 46 13 31-1840	EA	Remote Annunciator (Silent Knight SK-5235)	488.65	79.99
28 46 13 31-1841	EA	LCD Remote Annunciator (Silent Knight SK-5230)	465.50	79.99
28 46 13 31-1842	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	743.13	119.98
28 46 13 31-1843	EA	Ionization Smoke Detector (Silent Knight SK-ION)	239.45	59.99
28 46 13 31-1844	EA	Addressable Relay Module (Silent Knight IDP-Relay)	264.08	59.99
28 46 13 31-1845	EA	Telephone Line Monitor (Silent Knight SK-7150)	166.45	39.99
28 46 13 31-1846	EA	Serial Driver Board (Silent Knight SK-2884)	293.25	39.99
28 46 13 31-1847	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	225.88	59.99
28 46 13 31-1848	EA	Smoke Detector Base (Silent Knight IDP-6AB)	88.02	20.00
28 46 13 31-1849	EA	Mini Input Module (Silent Knight IDP-MINIMON)	224.09	39.99
28 46 13 31-1850	EA	Status Display Module (Silent Knight SK-4180)	771.66	39.99
28 46 13 31-1851	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	464.25	39.99
28 46 13 31-1852	EA	Serial Parallel Module (Silent Knight SK-4824)	425.82	39.99
28 46 13 31-1853	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	216.61	59.99
28 46 13 31-1854	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	220.94	59.99
28 46 13 31-1855	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,520.97	39.99
28 46 13 31-1856	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,625.51	159.97
28 46 13 31-1857	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	312.11	59.99
28 46 13 31-1858	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	264.08	59.99
28 46 13 31-1859	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	234.72	59.99
28 46 13 31-1860	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	177.28	39.99
28 46 13 31-1861	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	857.50	119.98
28 46 13 31-1862	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	125.91	39.99
28 46 13 31-1863	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	135.07	39.99
28 46 13 31-1864	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	132.50	39.99
28 46 13 31-1865	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,802.71	159.97
28 46 13 31-1866	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,727.42	399.94
28 46 13 31-1867	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,396.70	239.96
28 46 13 31-1868	EA	Voice Evacuation System (Silent Knight SKE-450)	2,828.92	159.97
28 46 13 31-1869	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,354.24	159.97
28 46 13 31-1870	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,528.12	239.96
28 46 13 31-1871	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,388.08	159.97
28 46 13 31-1872	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,202.81	159.97
28 46 13 31-1873	EA	Ionization Smoke Detector (Silent Knight SK-ION)	239.45	59.99
28 46 13 31-1874	EA	Sounder Base (Silent Knight B200SR)	131.10	20.00
28 46 13 31-1875	EA	Intelligent Sounder Base (Silent Knight B200S)	138.50	20.00
28 46 13 31-1876	EA	Isolator Base (Silent Knight B224BI)	110.19	20.00
28 46 13 31-1877	EA	Relay Base (Silent Knight B224RB)	111.40	20.00
28 46 13 31-1878	EA	6" Isolator Base (Silent Knight SD505-6IB)	137.28	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1879	EA	Loop Isolation Module (Silent Knight SD500-LIM)	228.34	59.99
28 46 13 31-1880	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	224.66	39.99
28 46 13 31-1881	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	215.17	39.99
28 46 13 31-1882	EA	Back Box (Silent Knight SK-PSSMBB)	103.70	32.00
28 46 13 31-1883	EA	Smoke Detector Module (Silent Knight SD500-SDM)	252.78	59.99
28 46 13 31-1884	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	356.98	59.99
28 46 13 31-1885	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	511.16	59.99
28 46 13 31-1886	EA	Intelligent Power Module (Silent Knight 5895XL)	1,301.16	159.97
28 46 13 31-1887	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	215.17	39.99
28 46 13 31-1888	EA	Communicator (Silent Knight IPGSM-4G)	1,065.86	79.99
28 46 13 31-1889	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,696.48	159.97
28 46 13 31-1890	EA	Status Display Module (Silent Knight 5280)	147.73	39.99
28 46 13 31-1891	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	990.10	159.97
28 46 13 31-1892	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	1,008.39	159.97
28 46 13 31-1893	EA	Dress Panel (Silent Knight SK-DP2/4)	190.81	39.99
28 46 13 31-1894	EA	Class A Convertor (Silent Knight SK-CAC4)	481.07	59.99
28 46 13 31-1895	EA	Transmitter Module (Silent Knight SK-4XTM	264.65	59.99
28 46 13 31-1896	EA	LED Interface Module (Silent Knight SK-4XLM	245.67	59.99
28 46 13 31-1897	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	243.63	39.99
28 46 13 31-1898	EA	Remote Annunciator (Silent Knight SK-RZA4)	245.67	59.99
28 46 13 31-1899	EA	Zone Relay Module (Silent Knight SK-4XZM)	262.27	59.99
28 46 13 31-1900	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	864.29	159.97
28 46 13 31-1901	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	119.93	39.99
28 46 13 31-1902	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	252.51	47.99
28 46 13 31-1903	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	958.14	119.98
28 46 13 31-1904		**Alerton Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1905	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	621.25	12.00
28 46 13 31-1906		**Cooper Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1907	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	220.72	39.99
28 46 13 31-1908	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,723.14	67.99
28 46 13 31-1909	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,222.75	67.99
28 46 13 31-1910	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,287.76	79.99
28 46 13 31-1911	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,301.09	79.99
28 46 13 31-1912	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,301.09	79.99
28 46 13 31-1913	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,711.24	79.99
28 46 13 31-1914	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,711.24	79.99
28 46 13 31-1915	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,711.24	79.99
28 46 13 31-1916	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,301.09	79.99
28 46 13 31-1917	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,301.09	79.99
28 46 13 31-1918	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,301.09	79.99
28 46 13 31-1919	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,301.09	79.99
28 46 13 31-1920	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,301.09	79.99
28 46 13 31-1921	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,646.00	79.99
28 46 13 31-1922	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,459.38	79.99
28 46 13 31-1923	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,459.38	79.99
28 46 13 31-1924	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,459.38	79.99
28 46 13 31-1925		**Light Engineered Displays Message Boards** *(28 46 13 31)*		
28 46 13 31-1926	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	986.95	47.99
28 46 13 31-1927	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	872.27	47.99
28 46 13 31-1928		**Safety Technology International Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1929		**Enclosures** *(28 46 13 31-1928)*		
28 46 13 31-1930	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	161.52	24.00
28 46 13 31-1931	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	207.14	24.00
28 46 13 31-1932	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	164.56	24.00
28 46 13 31-1933	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	208.15	24.00
28 46 13 31-1934	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	168.62	24.00
28 46 13 31-1935	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	238.56	24.00
28 46 13 31-1936	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	175.71	24.00
28 46 13 31-1937	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	237.55	24.00
28 46 13 31-1938	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	187.88	24.00
28 46 13 31-1939	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	256.81	24.00
28 46 13 31-1940	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	221.33	24.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1941	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	329.79	24.00
28 46 13 31-1942	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	237.55	24.00
28 46 13 31-1943	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	412.91	24.00
28 46 13 31-1944	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	251.74	24.00
28 46 13 31-1945	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	425.08	24.00
28 46 13 31-1946	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	297.35	24.00
28 46 13 31-1947	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	436.23	24.00
28 46 13 31-1948	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	425.08	24.00
28 46 13 31-1949	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	625.78	24.00
28 46 13 31-1950	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	123.00	24.00
28 46 13 31-1951	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	133.14	24.00
28 46 13 31-1952	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	127.56	24.00
28 46 13 31-1953	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	136.18	24.00
28 46 13 31-1954	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	131.62	24.00
28 46 13 31-1955	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	141.75	24.00
28 46 13 31-1956	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	133.14	24.00
28 46 13 31-1957	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	153.92	24.00
28 46 13 31-1958	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	139.22	24.00
28 46 13 31-1959	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	157.97	24.00
28 46 13 31-1960	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	144.80	24.00
28 46 13 31-1961	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	160.51	24.00
28 46 13 31-1962	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	146.32	24.00
28 46 13 31-1963	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	165.58	24.00
28 46 13 31-1964	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	169.63	24.00
28 46 13 31-1965	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	208.15	24.00
28 46 13 31-1966	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	185.85	24.00
28 46 13 31-1967	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	246.67	24.00
28 46 13 31-1968	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	205.11	24.00
28 46 13 31-1969	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	263.90	24.00
28 46 13 31-1970	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	231.46	24.00
28 46 13 31-1971	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	307.49	24.00
28 46 13 31-1972	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	362.23	24.00
28 46 13 31-1973	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	378.45	24.00
28 46 13 31-1974	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	540.63	24.00
28 46 13 31-1975	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	624.77	24.00
28 46 13 31-1976		**STI® Fire Alarm Devices** *(28 46 13 31-1928)*		
28 46 13 31-1977	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	191.42	24.00
28 46 13 31-1978	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	208.15	24.00
28 46 13 31-1979	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	126.30	24.00
28 46 13 31-1980	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	127.31	24.00
28 46 13 31-1981	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	114.13	24.00
28 46 13 31-1982	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	127.31	24.00
28 46 13 31-1983	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	104.25	24.00
28 46 13 31-1984	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	233.49	24.00
28 46 13 31-1985	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	158.48	24.00
28 46 13 31-1986	EA	Backplate For Polycarbonate Cover (STI-1280)	80.02	24.00
28 46 13 31-1987	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	60.15	24.00
28 46 13 31-1988	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	81.14	24.00
28 46 13 31-1989	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	176.22	24.00
28 46 13 31-1990	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	147.33	24.00
28 46 13 31-1991	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	110.84	24.00
28 46 13 31-1992	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	105.26	24.00
28 46 13 31-1993	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	101.97	24.00
28 46 13 31-1994	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	105.26	24.00
28 46 13 31-1995	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	101.97	24.00
28 46 13 31-1996	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	105.26	24.00
28 46 13 31-1997	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	101.97	24.00
28 46 13 31-1998	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	192.44	24.00
28 46 13 31-1999	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	95.33	24.00
28 46 13 31-2000	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	119.64	24.00
28 46 13 31-2001	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	140.74	24.00
28 46 13 31-2002	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	140.74	24.00
28 46 13 31-2003	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	104.25	24.00
28 46 13 31-2004	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	104.25	24.00
28 46 13 31-2005	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	95.33	24.00
28 46 13 31-2006	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	104.25	24.00
28 46 13 31-2007	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	104.25	24.00
28 46 13 31-2008	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	138.55	12.00
28 46 13 31-2009	EA	Gasket Kit For STI Covers (STI SUB-121)	60.27	
28 46 13 31-2010	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	246.67	24.00
28 46 13 31-2011	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	138.71	24.00
28 46 13 31-2012	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	138.71	24.00
28 46 13 31-2013	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	246.67	24.00
28 46 13 31-2014	EA	Flush Mounted, Weather Stopper II (STI-1250)	148.60	24.00
28 46 13 31-2015	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	101.97	24.00
28 46 13 31-2016	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	168.11	24.00
28 46 13 31-2017	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	120.97	24.00
28 46 13 31-2018	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	131.11	24.00
28 46 13 31-2019	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	141.75	24.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2020	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	141.75	24.00
28 46 13 31-2021	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	186.86	24.00
28 46 13 31-2022	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	197.00	24.00
28 46 13 31-2023	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	232.48	24.00
28 46 13 31-2024	EA	Stopper II, Weather Gasket (STI-3002)	59.09	24.00
28 46 13 31-2025	EA	Large, Break Glass Stopper (STI-4100)	140.74	24.00
28 46 13 31-2026	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	136.18	24.00
28 46 13 31-2027	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	131.87	24.00
28 46 13 31-2028	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	335.87	24.00
28 46 13 31-2029	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	4,568.96	24.00
28 46 13 31-2030	EA	Stainless Steel Guard (STI-9604SS)	97.66	24.00
28 46 13 31-2031	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	88.79	24.00
28 46 13 31-2032		**System Sensor Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2033		**Smoke Detectors** *(28 46 13 31-2032)*		
28 46 13 31-2034	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	66.91	8.00
28 46 13 31-2035	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	271.15	8.00
28 46 13 31-2036	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	359.05	79.99
28 46 13 31-2037	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	271.52	79.99
28 46 13 31-2038	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	226.90	79.99
28 46 13 31-2039	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	235.94	59.99
28 46 13 31-2040	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	203.22	59.99
28 46 13 31-2041	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	248.43	59.99
28 46 13 31-2042	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	239.95	59.99
28 46 13 31-2043	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	214.66	59.99
28 46 13 31-2044	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	254.67	59.99
28 46 13 31-2045	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	299.93	59.99
28 46 13 31-2046	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	176.63	39.99
28 46 13 31-2047	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	199.96	39.99
28 46 13 31-2048	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	316.87	20.00
28 46 13 31-2049	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	113.50	20.00
28 46 13 31-2050	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	227.80	59.99
28 46 13 31-2051		**Duct Smoke Detectors** *(28 46 13 31-2032)*		
28 46 13 31-2052	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	419.75	59.99
28 46 13 31-2053	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	416.31	59.99
28 46 13 31-2054	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	542.15	67.99
28 46 13 31-2055	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	274.50	39.99
28 46 13 31-2056	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	74.91	12.00
28 46 13 31-2057	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	234.47	32.00
28 46 13 31-2058	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	376.32	39.99
28 46 13 31-2059	EA	1' Steel Sampling Tube (System Sensor DST1)	46.76	16.00
28 46 13 31-2060	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	50.65	16.00
28 46 13 31-2061	EA	3' Steel Sampling Tube (System Sensor DST3)	56.54	16.00
28 46 13 31-2062	EA	5' Steel Sampling Tube (System Sensor DST5)	76.56	20.00
28 46 13 31-2063	EA	10' Steel Sampling Tube (System Sensor DST10)	105.08	24.00
28 46 13 31-2064	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	52.25	16.00
28 46 13 31-2065	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	113.22	20.00
28 46 13 31-2066	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2067	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	
28 46 13 31-2068		**Heat Detectors** *(28 46 13 31-2032)*		
28 46 13 31-2069	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	157.44	59.99
28 46 13 31-2070	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	147.10	59.99
28 46 13 31-2071	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	167.46	59.99
28 46 13 31-2072	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	167.46	59.99
28 46 13 31-2073	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	179.75	59.99
28 46 13 31-2074	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	179.75	59.99
28 46 13 31-2075		**Horns** *(28 46 13 31-2032)*		
28 46 13 31-2076	EA	Red, Mini Horn (System Sensor MHR)	156.31	59.99
28 46 13 31-2077	EA	White, Mini Horn (System Sensor MHW)	156.31	59.99
28 46 13 31-2078	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	158.08	59.99
28 46 13 31-2079	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	195.82	67.99
28 46 13 31-2080	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	158.08	59.99
28 46 13 31-2081	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	235.94	59.99
28 46 13 31-2082	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	158.65	59.99
28 46 13 31-2083	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	158.65	59.99
28 46 13 31-2084		**Wall Mounted Horns/Strobes** *(28 46 13 31-2032)*		
28 46 13 31-2085	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	205.79	59.99
28 46 13 31-2086	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	256.61	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2087	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	296.16	67.99
28 46 13 31-2088	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	289.87	67.99
28 46 13 31-2089	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	302.17	67.99
28 46 13 31-2090	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	295.30	67.99
28 46 13 31-2091	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	281.86	67.99
28 46 13 31-2092	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	245.55	59.99
28 46 13 31-2093	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	201.79	59.99
28 46 13 31-2094	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	205.79	59.99
28 46 13 31-2095	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	258.28	59.99
28 46 13 31-2096	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	287.58	67.99
28 46 13 31-2097	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	289.87	67.99
28 46 13 31-2098	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	256.61	59.99
28 46 13 31-2099	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	303.88	67.99
28 46 13 31-2100	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	281.86	67.99
28 46 13 31-2101	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	200.93	59.99
28 46 13 31-2102	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	241.83	59.99
28 46 13 31-2103	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	300.16	59.99
28 46 13 31-2104	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	346.49	67.99
28 46 13 31-2105	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	276.14	67.99
28 46 13 31-2106	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	241.83	59.99
28 46 13 31-2107	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	322.60	67.99
28 46 13 31-2108	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	290.44	67.99
28 46 13 31-2109	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	291.60	59.99
28 46 13 31-2110	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	291.60	59.99
28 46 13 31-2111	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	205.22	59.99
28 46 13 31-2112	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	205.22	59.99
28 46 13 31-2113		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2032)*		
28 46 13 31-2114	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	208.65	59.99
28 46 13 31-2115	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	259.94	59.99
28 46 13 31-2116	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	287.58	67.99
28 46 13 31-2117	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	280.14	67.99
28 46 13 31-2118	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	248.28	59.99
28 46 13 31-2119	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	208.65	59.99
28 46 13 31-2120	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	259.94	59.99
28 46 13 31-2121	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	287.58	67.99
28 46 13 31-2122	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	259.94	59.99
28 46 13 31-2123	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	280.14	67.99
28 46 13 31-2124	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	246.61	59.99
28 46 13 31-2125	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	243.26	59.99
28 46 13 31-2126	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	300.16	59.99
28 46 13 31-2127	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	243.26	59.99
28 46 13 31-2128		**Wall Mounted Strobes** *(28 46 13 31-2032)*		
28 46 13 31-2129	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	91.36	20.00
28 46 13 31-2130	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	168.42	20.00

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28 46 13 31-2131	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	188.34	59.99
28 46 13 31-2132	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	253.78	59.99
28 46 13 31-2133	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	309.03	67.99
28 46 13 31-2134	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	305.46	67.99
28 46 13 31-2135	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	261.26	67.99
28 46 13 31-2136	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	233.23	67.99
28 46 13 31-2137	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	186.91	59.99
28 46 13 31-2138	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	187.77	59.99
28 46 13 31-2139	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	201.21	59.99
28 46 13 31-2140	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	234.95	59.99
28 46 13 31-2141	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	244.95	59.99
28 46 13 31-2142	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	243.28	59.99
28 46 13 31-2143	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	243.28	59.99
28 46 13 31-2144	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	264.70	67.99
28 46 13 31-2145	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	262.12	67.99
28 46 13 31-2146	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	264.12	67.99
28 46 13 31-2147	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	264.28	67.99
28 46 13 31-2148	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	259.83	67.99
28 46 13 31-2149	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	260.98	67.99
28 46 13 31-2150	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	186.63	59.99
28 46 13 31-2151	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	31.73	8.00
28 46 13 31-2152	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	31.73	8.00
28 46 13 31-2153	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	31.73	8.00
28 46 13 31-2154	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	31.73	8.00
28 46 13 31-2155	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	190.63	59.99
28 46 13 31-2156	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	187.48	59.99
28 46 13 31-2157	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	31.73	8.00
28 46 13 31-2158	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	31.73	8.00
28 46 13 31-2159	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	31.73	8.00
28 46 13 31-2160	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	31.73	8.00
28 46 13 31-2161	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	266.49	59.99
28 46 13 31-2162	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	266.49	59.99

28 46 13 31-2163 Ceiling Mounted Strobes *(28 46 13 31-2032)*

28 46 13 31-2164	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	191.49	59.99
28 46 13 31-2165	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	257.35	59.99
28 46 13 31-2166	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	309.03	67.99
28 46 13 31-2167	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	309.03	67.99
28 46 13 31-2168	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	191.49	59.99
28 46 13 31-2169	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	202.93	59.99
28 46 13 31-2170	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	248.28	59.99
28 46 13 31-2171	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	262.12	67.99
28 46 13 31-2172	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	259.83	67.99
28 46 13 31-2173	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	223.29	59.99
28 46 13 31-2174	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	31.73	8.00
28 46 13 31-2175	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	31.73	8.00
28 46 13 31-2176	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	31.73	8.00
28 46 13 31-2177	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	31.73	8.00

28 46 13 31-2178 Wall Mounted Speakers *(28 46 13 31-2032)*

28 46 13 31-2179	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	452.93	59.99
28 46 13 31-2180	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	165.17	59.99
28 46 13 31-2181	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	248.70	59.99
28 46 13 31-2182	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	214.93	67.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2183	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	209.18	59.99
28 46 13 31-2184	EA	White, Wall Mounted Speaker (System Sensor SPWL)	165.17	59.99
28 46 13 31-2185	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	263.55	67.99
28 46 13 31-2186	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	182.79	59.99
28 46 13 31-2187		**Ceiling Mounted Speakers** *(28 46 13 31-2032)*		
28 46 13 31-2188	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	162.03	59.99
28 46 13 31-2189	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	281.43	59.99
28 46 13 31-2190	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	209.18	59.99
28 46 13 31-2191	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	164.60	59.99
28 46 13 31-2192	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	203.29	59.99
28 46 13 31-2193	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	264.70	67.99
28 46 13 31-2194		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2032)*		
28 46 13 31-2195	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	166.42	20.00
28 46 13 31-2196	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	87.93	20.00
28 46 13 31-2197	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	251.56	59.99
28 46 13 31-2198	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	321.57	59.99
28 46 13 31-2199	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	428.56	67.99
28 46 13 31-2200	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	352.80	67.99
28 46 13 31-2201	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	305.31	67.99
28 46 13 31-2202	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	248.98	59.99
28 46 13 31-2203	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	310.87	59.99
28 46 13 31-2204	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	252.70	59.99
28 46 13 31-2205	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	356.80	67.99
28 46 13 31-2206	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	251.56	59.99
28 46 13 31-2207	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	308.27	59.99
28 46 13 31-2208	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	308.27	59.99
28 46 13 31-2209	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	368.24	67.99
28 46 13 31-2210	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	351.65	67.99
28 46 13 31-2211	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	247.84	59.99
28 46 13 31-2212	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	298.27	59.99
28 46 13 31-2213	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	298.27	59.99
28 46 13 31-2214	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	265.84	67.99
28 46 13 31-2215		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2032)*		
28 46 13 31-2216	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	236.11	59.99
28 46 13 31-2217	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	325.14	59.99
28 46 13 31-2218	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	310.87	59.99
28 46 13 31-2219	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	236.11	59.99
28 46 13 31-2220	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	250.41	59.99
28 46 13 31-2221	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	308.27	59.99
28 46 13 31-2222	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	369.96	67.99
28 46 13 31-2223	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	308.27	59.99
28 46 13 31-2224	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	357.37	67.99
28 46 13 31-2225	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	368.24	67.99
28 46 13 31-2226	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	236.11	59.99
28 46 13 31-2227	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	298.27	59.99
28 46 13 31-2228	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	308.27	59.99
28 46 13 31-2229	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	298.27	59.99
28 46 13 31-2230	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	308.03	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2231		**Electric Alarm Bells** *(28 46 13 31-2032)*		
28 46 13 31-2232	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	198.64	59.99
28 46 13 31-2233	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	212.66	59.99
28 46 13 31-2234	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	228.10	59.99
28 46 13 31-2235		**Device Bases** *(28 46 13 31-2032)*		
28 46 13 31-2236	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	143.25	20.00
28 46 13 31-2237	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	138.96	20.00
28 46 13 31-2238	EA	Intelligent Isolator Base (System Sensor B224BI)	115.79	20.00
28 46 13 31-2239	EA	Intelligent Relay Base (System Sensor B224RB)	116.93	20.00
28 46 13 31-2240	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	75.69	20.00
28 46 13 31-2241	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	143.25	20.00
28 46 13 31-2242	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	138.96	20.00
28 46 13 31-2243	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	203.60	20.00
28 46 13 31-2244	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	203.60	20.00
28 46 13 31-2245	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	197.31	20.00
28 46 13 31-2246	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	156.29	20.00
28 46 13 31-2247	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	136.38	20.00
28 46 13 31-2248	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	115.79	20.00
28 46 13 31-2249	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	108.93	20.00
28 46 13 31-2250	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	116.93	20.00
28 46 13 31-2251	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	110.36	20.00
28 46 13 31-2252	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	75.69	20.00
28 46 13 31-2253	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	75.69	20.00
28 46 13 31-2254	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	68.25	20.00
28 46 13 31-2255	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	207.04	20.00
28 46 13 31-2256	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	207.04	20.00
28 46 13 31-2257	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	199.60	20.00
28 46 13 31-2258	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	61.44	20.00
28 46 13 31-2259	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	68.59	20.00
28 46 13 31-2260	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	67.48	20.00
28 46 13 31-2261	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	128.80	24.00
28 46 13 31-2262		**Boxes, Plates And Decals** *(28 46 13 31-2032)*		
28 46 13 31-2263	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	68.82	20.00
28 46 13 31-2264	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	99.83	20.00
28 46 13 31-2265	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	108.07	20.00
28 46 13 31-2266	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	99.83	20.00
28 46 13 31-2267	EA	Red Retrofit Plate (System Sensor RFP)	47.11	12.00
28 46 13 31-2268	EA	White Retrofit Plate (System Sensor RFPW)	46.77	12.00
28 46 13 31-2269	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	85.53	20.00
28 46 13 31-2270	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	95.37	20.00
28 46 13 31-2271	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	69.51	20.00
28 46 13 31-2272	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	69.51	20.00
28 46 13 31-2273	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	61.16	20.00
28 46 13 31-2274	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	67.45	20.00
28 46 13 31-2275	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	67.45	20.00
28 46 13 31-2276	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	61.16	20.00
28 46 13 31-2277	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	66.65	20.00
28 46 13 31-2278	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	61.44	20.00
28 46 13 31-2279	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	22.54	8.00
28 46 13 31-2280	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	31.96	
28 46 13 31-2281	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	44.03	
28 46 13 31-2282	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	31.96	
28 46 13 31-2283	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	44.03	
28 46 13 31-2284	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	24.63	8.00
28 46 13 31-2285	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	24.63	8.00
28 46 13 31-2286	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	24.63	8.00
28 46 13 31-2287	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	24.63	8.00
28 46 13 31-2288	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	61.16	20.00
28 46 13 31-2289	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	61.16	20.00
28 46 13 31-2290	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	29.16	8.00
28 46 13 31-2291	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	29.16	8.00
28 46 13 31-2292	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	29.16	8.00
28 46 13 31-2293	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	29.16	8.00
28 46 13 31-2294	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	29.16	8.00
28 46 13 31-2295	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	29.16	8.00
28 46 13 31-2296	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	29.16	8.00
28 46 13 31-2297	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	29.16	8.00
28 46 13 31-2298	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	29.16	8.00
28 46 13 31-2299	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	29.16	8.00
28 46 13 31-2300	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	29.16	8.00
28 46 13 31-2301	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	29.16	8.00
28 46 13 31-2302	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	31.56	8.00
28 46 13 31-2303	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	31.56	8.00
28 46 13 31-2304	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	31.56	8.00

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28 46 13 31-2305	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	31.56	8.00
28 46 13 31-2306	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	31.56	8.00
28 46 13 31-2307	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	29.16	8.00
28 46 13 31-2308	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	29.16	8.00
28 46 13 31-2309	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	29.16	8.00
28 46 13 31-2310	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	29.16	8.00
28 46 13 31-2311	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	29.16	8.00
28 46 13 31-2312	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	29.16	8.00
28 46 13 31-2313	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	31.56	8.00
28 46 13 31-2314	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	31.56	8.00
28 46 13 31-2315	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	31.56	8.00
28 46 13 31-2316	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	31.56	8.00
28 46 13 31-2317	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	31.56	8.00
28 46 13 31-2318	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	29.16	8.00
28 46 13 31-2319	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	29.16	8.00
28 46 13 31-2320	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2321	EA	Control Module Barrier (System Sensor CB500)	43.68	12.00
28 46 13 31-2322	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	40.59	12.00
28 46 13 31-2323	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	47.97	12.00
28 46 13 31-2324	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	165.87	12.00
28 46 13 31-2325	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	238.53	12.00
28 46 13 31-2326	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	238.53	12.00
28 46 13 31-2327	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	34.13	12.00
28 46 13 31-2328	EA	Black Faceplate (System Sensor FP-BLACK-BP)	33.30	12.00
28 46 13 31-2329	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	33.73	12.00
28 46 13 31-2330	EA	White Faceplate (System Sensor FP-WHITE-BP)	32.32	12.00
28 46 13 31-2331	EA	White, Back Box (System Sensor SMB500-WH)	58.47	20.00
28 46 13 31-2332	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	23.15	8.00
28 46 13 31-2333	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	31.50	8.00
28 46 13 31-2334	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	35.07	12.00
28 46 13 31-2335	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	29.16	8.00
28 46 13 31-2336	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	31.56	8.00
28 46 13 31-2337	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	31.56	8.00
28 46 13 31-2338	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	31.56	8.00
28 46 13 31-2339	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	31.56	8.00
28 46 13 31-2340	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	31.56	8.00
28 46 13 31-2341	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	29.16	8.00
28 46 13 31-2342	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	29.16	8.00
28 46 13 31-2343	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	29.16	8.00
28 46 13 31-2344	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	85.98	20.00
28 46 13 31-2345	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	161.56	20.00
28 46 13 31-2346		**Chimes** *(28 46 13 31-2032)*		
28 46 13 31-2347	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	187.08	59.99
28 46 13 31-2348	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	192.63	59.99
28 46 13 31-2349		**Chime/Strobes** *(28 46 13 31-2032)*		
28 46 13 31-2350	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	268.72	59.99
28 46 13 31-2351	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	268.72	59.99
28 46 13 31-2352	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	270.44	59.99
28 46 13 31-2353	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	270.44	59.99
28 46 13 31-2354		**Carbon Monoxide Detectors** *(28 46 13 31-2032)*		
28 46 13 31-2355	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	385.65	79.99
28 46 13 31-2356	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	266.43	59.99
28 46 13 31-2357	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	22.91	8.00
28 46 13 31-2358	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	386.57	59.99
28 46 13 31-2359	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	306.42	79.99
28 46 13 31-2360	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	399.15	59.99
28 46 13 31-2361		**Switches** *(28 46 13 31-2032)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2362	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	233.32	32.00
28 46 13 31-2363	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	259.07	32.00
28 46 13 31-2364	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	233.32	32.00
28 46 13 31-2365	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	259.07	32.00
28 46 13 31-2366	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	242.48	32.00
28 46 13 31-2367	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	227.60	32.00
28 46 13 31-2368		**Low Frequency Sounders** *(28 46 13 31-2032)*		
28 46 13 31-2369	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	249.95	59.99
28 46 13 31-2370	EA	White, Low Frequency Sounder (System Sensor HW-LF)	249.95	59.99
28 46 13 31-2371	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	224.38	59.99
28 46 13 31-2372	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	224.38	59.99
28 46 13 31-2373	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	222.95	59.99
28 46 13 31-2374	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	222.95	59.99
28 46 13 31-2375		**Sync Modules** *(28 46 13 31-2032)*		
28 46 13 31-2376	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	191.54	39.99
28 46 13 31-2377	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	188.68	39.99
28 46 13 31-2378		**Relays** *(28 46 13 31-2032)*		
28 46 13 31-2379	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	112.27	32.00
28 46 13 31-2380	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	72.14	20.00
28 46 13 31-2381	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	194.45	20.00
28 46 13 31-2382	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	145.25	20.00
28 46 13 31-2383	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	119.94	32.00
28 46 13 31-2384	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	74.20	20.00
28 46 13 31-2385	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	217.91	20.00
28 46 13 31-2386	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	164.99	20.00
28 46 13 31-2387	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	63.79	20.00
28 46 13 31-2388	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	63.79	20.00
28 46 13 31-2389	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	63.79	20.00
28 46 13 31-2390		**Remote Annunciator** *(28 46 13 31-2032)*		
28 46 13 31-2391	EA	Remote Annunciator (System Sensor RA100Z)	156.02	59.99
28 46 13 31-2392	EA	Remote LED Annunciator (System Sensor RA100ZA)	152.28	59.99
28 46 13 31-2393	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	183.88	59.99
28 46 13 31-2394		**Remote Test Station** *(28 46 13 31-2032)*		
28 46 13 31-2395	EA	Remote Test Station With Key (System Sensor RTS151KEY)	230.39	59.99
28 46 13 31-2396		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2397		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2398	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	294.56	59.99
28 46 13 31-2399		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2400	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	294.56	59.99
28 46 13 31-2401	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	294.56	59.99
28 46 13 31-2402		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2403	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	200.25	59.99
28 46 13 31-2404	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	224.67	59.99
28 46 13 31-2405		**Wall Mounted Horns/Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2406	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	203.98	59.99
28 46 13 31-2407	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	309.93	59.99
28 46 13 31-2408	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	264.72	59.99
28 46 13 31-2409	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	264.72	59.99
28 46 13 31-2410	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	294.94	59.99
28 46 13 31-2411	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	225.26	59.99
28 46 13 31-2412	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	223.06	59.99
28 46 13 31-2413	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	246.96	67.99
28 46 13 31-2414	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	203.11	59.99
28 46 13 31-2415	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	203.11	59.99
28 46 13 31-2416	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	222.19	59.99
28 46 13 31-2417	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	264.72	59.99
28 46 13 31-2418	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	264.72	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2419		**Ceiling Mounted Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2420	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	192.36	59.99
28 46 13 31-2421	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	192.36	59.99
28 46 13 31-2422	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	205.79	59.99
28 46 13 31-2423	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	185.78	59.99
28 46 13 31-2424	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	203.76	59.99
28 46 13 31-2425	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	205.30	59.99
28 46 13 31-2426	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	205.96	59.99
28 46 13 31-2427	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	214.66	59.99
28 46 13 31-2428		**Wall Mounted Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2429	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	278.33	59.99
28 46 13 31-2430	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	228.77	59.99
28 46 13 31-2431	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	251.61	59.99
28 46 13 31-2432	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	190.60	59.99
28 46 13 31-2433	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	190.60	59.99
28 46 13 31-2434	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	202.01	59.99
28 46 13 31-2435	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	213.18	67.99
28 46 13 31-2436	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	186.87	59.99
28 46 13 31-2437	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	186.87	59.99
28 46 13 31-2438	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	217.36	59.99
28 46 13 31-2439	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	192.58	59.99
28 46 13 31-2440	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	234.38	67.99
28 46 13 31-2441	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	228.39	59.99
28 46 13 31-2442		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2443	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	228.77	59.99
28 46 13 31-2444	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	228.77	59.99
28 46 13 31-2445	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	228.77	59.99
28 46 13 31-2446	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	230.96	59.99
28 46 13 31-2447	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	243.24	59.99
28 46 13 31-2448	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	260.35	59.99
28 46 13 31-2449	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	260.35	59.99
28 46 13 31-2450	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	232.71	59.99
28 46 13 31-2451	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	253.27	59.99
28 46 13 31-2452	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	267.00	59.99
28 46 13 31-2453	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	280.73	59.99
28 46 13 31-2454		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2396)*		
28 46 13 31-2455	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	338.26	59.99
28 46 13 31-2456	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	338.26	59.99
28 46 13 31-2457	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	243.24	59.99
28 46 13 31-2458	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	243.24	59.99
28 46 13 31-2459	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	228.77	59.99
28 46 13 31-2460	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	225.26	59.99
28 46 13 31-2461	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	243.24	59.99
28 46 13 31-2462	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	243.24	59.99
28 46 13 31-2463	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	334.92	59.99
28 46 13 31-2464	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	230.96	59.99
28 46 13 31-2465	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	229.21	59.99
28 46 13 31-2466	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	327.43	59.99
28 46 13 31-2467	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	334.92	59.99
28 46 13 31-2468	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	260.35	59.99
28 46 13 31-2469	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	260.35	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2470	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	365.09	67.99
28 46 13 31-2471	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	212.54	59.99
28 46 13 31-2472	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	205.96	59.99
28 46 13 31-2473	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	267.00	59.99
28 46 13 31-2474	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	280.73	59.99
28 46 13 31-2475	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	285.88	59.99
28 46 13 31-2476	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	294.46	59.99
28 46 13 31-2477	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	300.76	59.99
28 46 13 31-2478	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	296.75	59.99
28 46 13 31-2479	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	294.46	59.99

28 46 13 31-2480 Electric Alarm Bells *(28 46 13 31-2396)*

28 46 13 31-2481	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	223.50	59.99
28 46 13 31-2482	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	216.48	59.99
28 46 13 31-2483	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	263.42	59.99
28 46 13 31-2484	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,887.09	67.99
28 46 13 31-2485	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	3,031.10	67.99
28 46 13 31-2486	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,426.80	67.99
28 46 13 31-2487	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	183.80	59.99
28 46 13 31-2488	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	238.97	59.99
28 46 13 31-2489	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	186.44	59.99
28 46 13 31-2490	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	236.97	59.99

28 46 13 31-2491 Horns *(28 46 13 31-2396)*

28 46 13 31-2492	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	186.63	59.99
28 46 13 31-2493	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	159.11	59.99
28 46 13 31-2494	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	159.11	59.99
28 46 13 31-2495	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	160.07	59.99
28 46 13 31-2496	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	160.07	59.99
28 46 13 31-2497	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	143.84	59.99
28 46 13 31-2498	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	143.84	59.99
28 46 13 31-2499	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	160.07	59.99
28 46 13 31-2500	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	185.20	59.99

28 46 13 31-2501 Speakers *(28 46 13 31-2396)*

28 46 13 31-2502	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	162.88	59.99
28 46 13 31-2503	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	162.88	59.99
28 46 13 31-2504	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	162.88	59.99
28 46 13 31-2505	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	160.95	59.99
28 46 13 31-2506	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	162.88	59.99
28 46 13 31-2507	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	162.88	59.99
28 46 13 31-2508	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	162.88	59.99
28 46 13 31-2509	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	162.88	59.99
28 46 13 31-2510	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	184.02	59.99
28 46 13 31-2511	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	184.02	59.99
28 46 13 31-2512	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	185.78	59.99
28 46 13 31-2513	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	238.40	59.99
28 46 13 31-2514	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	218.38	59.99
28 46 13 31-2515	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	321.76	59.99
28 46 13 31-2516	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	321.76	59.99
28 46 13 31-2517	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	238.40	59.99
28 46 13 31-2518	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	240.69	59.99
28 46 13 31-2519	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	218.38	59.99
28 46 13 31-2520	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	309.34	59.99
28 46 13 31-2521	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	232.11	59.99

28 46 13 31-2522 Sync Modules *(28 46 13 31-2396)*

28 46 13 31-2523	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	209.96	39.99

28 46 13 31-2524 Boxes, Plates And Rings *(28 46 13 31-2396)*

28 46 13 31-2525	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	49.60	20.00
28 46 13 31-2526	EA	Standard 4" Square Box (Wheelock BB-STD)	48.91	20.00
28 46 13 31-2527	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	264.77	39.99
28 46 13 31-2528	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	264.77	39.99
28 46 13 31-2529	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	204.72	32.00
28 46 13 31-2530	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	24.60	8.00
28 46 13 31-2531	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	24.60	8.00
28 46 13 31-2532	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	59.99	20.00
28 46 13 31-2533	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	57.19	20.00
28 46 13 31-2534	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	59.99	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2535	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	59.99	20.00
28 46 13 31-2536	EA	4" Square Back Box (Wheelock DBB-R)	51.39	20.00
28 46 13 31-2537	EA	Red, Surface Back Box (Wheelock IOB-R)	58.15	20.00
28 46 13 31-2538	EA	White, Surface, Back Box (Wheelock IOB-W)	58.15	20.00
28 46 13 31-2539	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	23.68	8.00
28 46 13 31-2540	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	30.16	8.00
28 46 13 31-2541	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	30.16	8.00
28 46 13 31-2542	EA	Red Retrofit Plate (Wheelock RP-R)	27.40	8.00
28 46 13 31-2543	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	44.95	8.00
28 46 13 31-2544	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	60.43	20.00
28 46 13 31-2545	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	61.05	20.00
28 46 13 31-2546	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	64.29	20.00
28 46 13 31-2547	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	31.41	8.00
28 46 13 31-2548	EA	White, Semi-Flush Plate (Wheelock SFB-W)	31.41	8.00
28 46 13 31-2549	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	54.33	20.00
28 46 13 31-2550	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	54.33	20.00
28 46 13 31-2551	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	33.20	8.00
28 46 13 31-2552	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	59.64	20.00
28 46 13 31-2553	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	59.64	20.00
28 46 13 31-2554	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	59.64	20.00
28 46 13 31-2555	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	39.86	8.00
28 46 13 31-2556	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	39.86	8.00
28 46 13 31-2557	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	39.86	8.00
28 46 13 31-2558	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	39.86	8.00
28 46 13 31-2559	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	28.53	8.00
28 46 13 31-2560	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	71.11	20.00
28 46 13 31-2561	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	66.08	20.00
28 46 13 31-2562	EA	Red Plate For RSS (Wheelock RSSCP-R)	23.68	8.00
28 46 13 31-2563	EA	White Plate For RSS (Wheelock RSSCP-W)	23.68	8.00
28 46 13 31-2564	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	24.60	8.00
28 46 13 31-2565	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	24.60	8.00
28 46 13 31-2566	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	24.07	8.00
28 46 13 31-2567	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	153.30	8.00
28 46 13 31-2568	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	137.85	8.00
28 46 13 31-2569	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	135.56	8.00
28 46 13 31-2570	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	137.85	8.00
28 46 13 31-2571	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	26.70	8.00
28 46 13 31-2572	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	26.01	8.00
28 46 13 31-2573	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	27.21	8.00
28 46 13 31-2574	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	27.21	8.00
28 46 13 31-2575	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	26.01	8.00
28 46 13 31-2576	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	27.10	8.00
28 46 13 31-2577	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	27.10	8.00
28 46 13 31-2578	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	26.01	8.00
28 46 13 31-2579	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	26.01	8.00
28 46 13 31-2580	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	34.71	8.00
28 46 13 31-2581	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	35.05	8.00
28 46 13 31-2582	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	28.53	8.00
28 46 13 31-2583	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	27.21	8.00
28 46 13 31-2584	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	28.53	8.00
28 46 13 31-2585	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	71.11	20.00
28 46 13 31-2586	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	66.08	20.00
28 46 13 31-2587	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	66.08	20.00
28 46 13 31-2588		**Manual Pull Station** *(28 46 13 31-2396)*		
28 46 13 31-2589	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	157.33	39.99
28 46 13 31-2590	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	157.33	39.99
28 46 13 31-2591	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,247.86	39.99
28 46 13 31-2592		**Fire Alarm Terminal Cabinets** *(28 46 13 31)*		
28 46 13 31-2593	EA	18 Point Lockable Fire Alarm Terminal Cabinet	295.35	80.14
28 46 13 31-2594	EA	32 Point Lockable Fire Alarm Terminal Cabinet	376.42	80.14
28 46 13 31-2595	EA	64 Point Lockable Fire Alarm Terminal Cabinet	538.54	80.14
28 46 13 31-2596	EA	128 Point Lockable Fire Alarm Terminal Cabinet	700.62	80.14
28 46 13 31-2597		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2598	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	813.63	79.99
28 46 13 31-2599		**Test And Certification Of Fire Alarm System To Tie In To Existing Systems** *(28 46 13 31)*		
28 46 13 31-2600	DAY	Test And Certification Of Fire Alarm System To Tie Into Existing Systems	1,271.00	
28 46 13 31-2601	HR	Test And Certification Of Fire Alarm System To Tie In To Existing Systems	397.19	
28 46 13 31-2602		**Programming Of Existing Fire Alarm System** *(28 46 13 31)*		
28 46 13 31-2603	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	317.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2604		Removal And Reinstallation Of Smoke Detector *(28 46 13 31)* Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2605	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	223.96	
28 46 13 31-2606	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	179.97	
28 46 13 31-2607		Kidde Fire Safety Equipment *(28 46 13 31)*		
28 46 13 31-2608		Smoke Detectors *(28 46 13 31-2607)*		
28 46 13 31-2609	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	190.76	59.99
28 46 13 31-2610	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	170.80	59.99
28 46 13 31-2611	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	152.26	59.99
28 46 13 31-2612		Potter Fire Alarm *(28 46 13 31)*		
28 46 13 31-2613		Electric Alarm Bells *(28 46 13 31-2612)*		
28 46 13 31-2614	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	160.06	59.99
28 46 13 31-2615	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	172.71	59.99
28 46 13 31-2616	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	179.04	59.99
28 46 13 31-2617	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	160.06	59.99
28 46 13 31-2618	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	172.71	59.99
28 46 13 31-2619	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	179.04	59.99
28 46 13 31-2620	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	170.80	59.99
28 46 13 31-2621	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	176.87	59.99
28 46 13 31-2622	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	212.66	59.99
28 46 13 31-2623	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	161.88	59.99
28 46 13 31-2624	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	176.87	59.99
28 46 13 31-2625	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	189.41	59.99
28 46 13 31-2626		Manual Pull Station *(28 46 13 31-2612)*		
28 46 13 31-2627	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	115.87	39.99
28 46 13 31-2628	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	121.61	39.99
28 46 13 31-2629	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	186.30	39.99
28 46 13 31-2630	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	125.19	39.99
28 46 13 31-2631	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	119.12	39.99
28 46 13 31-2632	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	206.53	39.99
28 46 13 31-2633	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	254.78	39.99
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		Protectowire Fire Alarm *(28 46 31 11)*		
28 46 31 11-0002		Linear Heat Detector Cable *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	6.34	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	6.84	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.84	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	7.34	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	8.30	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	8.80	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	85.98	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	31.99	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	11.50	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	11.50	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	13.07	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	20.33	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	21.00	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.74	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.35	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.22	
28 46 41		**Fire-Alarm Notification Appliances** *(28 46)*		
28 46 41 11		**Audible Fire-Alarm Notification Appliances** *(28 46 41)* See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		**Combination Fire-Alarm Notification Appliances** *(28 46 41)* See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		**Mass Notification** *(28 40)*		
28 47 21		**Mass Notification System Interfaces** *(28 47)*		
28 47 21 21		**Notification Interfaces to Fire Detection and Alarm** *(28 47 21)*		
28 47 21 21-0001		Emergency Command Center (Honeywell Fire-Lite) *(28 47 21 21)*		
28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100 E)	2,906.59	399.94
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	547.62	32.00
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	485.64	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	500.28	39.99
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	264.56	39.99
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,508.85	79.99
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,178.72	20.00
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,154.62	79.99
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,968.66	79.99
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	3,107.54	79.99
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,523.25	39.99
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	480.29	39.99
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	123.73	39.99
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	66.37	16.00
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	849.02	16.00
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	179.88	16.00
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	337.69	39.99
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	429.78	39.99
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	322.74	39.99

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001 Personnel Alarm Locating System *(28 49 11)*

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	25,054.99	1,284.27
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	194.88	
28 49 11 00-0004	EA	Lapel Reader	74.96	
28 49 11 00-0005	EA	IR Locator	291.01	48.08
28 49 11 00-0006	EA	Repeaters And Receivers	725.31	160.27

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	390.70	96.16
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	462.90	112.19
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	466.04	112.19

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	283.72	60.10
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	272.57	48.08
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	135.73	48.08
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	223.98	48.08
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	255.54	48.08
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	288.28	48.08
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	393.54	48.08
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	438.83	48.08

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	175.33	48.08
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	250.54	48.08
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	323.16	48.08
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	333.67	16.03
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	257.26	48.08
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	300.69	48.08
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	498.59	48.08
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	245.32	48.08
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	282.92	16.03
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	434.49	16.03
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	443.81	16.03
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	583.00	16.03

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END OF SECTION 28

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 05 Common Work Results for Earthwork *(31)*

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0034 for for hauling greater than 15 miles.

31 05 16 00-0001	TON	Select Granular Fill (203.07M)	28.64	
		For Up To 14, Add	*7.84*	
		For >14 To 35, Add	*2.86*	
		For >80 To 120, Deduct	*-2.18*	
		For >120 To 175, Deduct	*-3.62*	
		For >175, Deduct	*-5.05*	
31 05 16 00-0002	TON	Type II Underdrain Filter Stone (605.1001M)	37.05	
		For Up To 14, Add	*10.36*	
		For >14 To 35, Add	*3.71*	
		For >80 To 120, Deduct	*-2.61*	
		For >120 To 175, Deduct	*-4.46*	
		For >175, Deduct	*-6.31*	
31 05 16 00-0003	TON	Fine Stone Fill (620.02M)	34.62	
		For Up To 14, Add	*9.63*	
		For >14 To 35, Add	*3.46*	
		For >80 To 120, Deduct	*-2.48*	
		For >120 To 175, Deduct	*-4.21*	
		For >175, Deduct	*-5.95*	
31 05 16 00-0004	TON	Light Stone Fill (620.03M)	35.34	
		For Up To 14, Add	*9.85*	
		For >14 To 35, Add	*3.53*	
		For >80 To 120, Deduct	*-2.52*	
		For >120 To 175, Deduct	*-4.29*	
		For >175, Deduct	*-6.05*	
31 05 16 00-0005	TON	Medium Stone Fill (620.04M)	42.01	
		For Up To 14, Add	*11.85*	
		For >14 To 35, Add	*4.20*	
		For >80 To 120, Deduct	*-2.85*	
		For >120 To 175, Deduct	*-4.95*	
		For >175, Deduct	*-7.05*	
31 05 16 00-0006	TON	Heavy Stone Fill (620.05M)	44.20	
		For Up To 14, Add	*12.51*	
		For >14 To 35, Add	*4.42*	
		For >80 To 120, Deduct	*-2.96*	
		For >120 To 175, Deduct	*-5.17*	
		For >175, Deduct	*-7.38*	
31 05 16 00-0007	TON	Crushed Stone (Size 1) (703-0201CM)	34.28	
		For Up To 14, Add	*9.53*	
		For >14 To 35, Add	*3.43*	
		For >80 To 120, Deduct	*-2.47*	
		For >120 To 175, Deduct	*-4.18*	
		For >175, Deduct	*-5.89*	
31 05 16 00-0008	TON	Crushed Stone (Size 1A) (703-0201AM)	36.21	
		For Up To 14, Add	*10.11*	
		For >14 To 35, Add	*3.62*	
		For >80 To 120, Deduct	*-2.56*	
		For >120 To 175, Deduct	*-4.37*	
		For >175, Deduct	*-6.18*	
31 05 16 00-0009	TON	Crushed Stone (Size 1ST) (703-0201BM)	34.02	
		For Up To 14, Add	*9.45*	
		For >14 To 35, Add	*3.40*	
		For >80 To 120, Deduct	*-2.45*	
		For >120 To 175, Deduct	*-4.15*	
		For >175, Deduct	*-5.86*	
31 05 16 00-0010	TON	Crushed Stone (Size 2) (703-0201DM)	33.69	
		For Up To 14, Add	*9.35*	
		For >14 To 35, Add	*3.37*	
		For >80 To 120, Deduct	*-2.44*	
		For >120 To 175, Deduct	*-4.12*	
		For >175, Deduct	*-5.81*	
31 05 16 00-0011	TON	Crushed Stone (Size 3) (703-0201FM)	34.11	
		For Up To 14, Add	*9.48*	
		For >14 To 35, Add	*3.41*	
		For >80 To 120, Deduct	*-2.46*	
		For >120 To 175, Deduct	*-4.16*	
		For >175, Deduct	*-5.87*	
31 05 16 00-0012	TON	Crushed Stone (Size 3A) (703-0201EM)	34.11	
		For Up To 14, Add	*9.48*	
		For >14 To 35, Add	*3.41*	
		For >80 To 120, Deduct	*-2.46*	
		For >120 To 175, Deduct	*-4.16*	
		For >175, Deduct	*-5.87*	
31 05 16 00-0013	TON	Crushed Gravel (Size 1) (703-0202CM)	38.22	
		For Up To 14, Add	*10.71*	
		For >14 To 35, Add	*3.82*	
		For >80 To 120, Deduct	*-2.66*	
		For >120 To 175, Deduct	*-4.57*	
		For >175, Deduct	*-6.49*	
31 05 16 00-0014	TON	Crushed Gravel (Size 1A) (703-0202AM)	36.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For Up To 14, Add	*10.22*	
		For >14 To 35, Add	*3.66*	
		For >80 To 120, Deduct	*-2.58*	
		For >120 To 175, Deduct	*-4.41*	
		For >175, Deduct	*-6.24*	
31 05 16 00-0015	TON	Crushed Gravel (Size 1ST) (703-0202BM)	33.97	
		For Up To 14, Add	*9.44*	
		For >14 To 35, Add	*3.40*	
		For >80 To 120, Deduct	*-2.45*	
		For >120 To 175, Deduct	*-4.15*	
		For >175, Deduct	*-5.85*	
31 05 16 00-0016	TON	Crushed Gravel (Size 2) (703-0202DM)	34.11	
		For Up To 14, Add	*9.48*	
		For >14 To 35, Add	*3.41*	
		For >80 To 120, Deduct	*-2.46*	
		For >120 To 175, Deduct	*-4.16*	
		For >175, Deduct	*-5.87*	
31 05 16 00-0017	TON	Crushed Gravel (Size 3) (703-0202FM)	33.69	
		For Up To 14, Add	*9.35*	
		For >14 To 35, Add	*3.37*	
		For >80 To 120, Deduct	*-2.44*	
		For >120 To 175, Deduct	*-4.12*	
		For >175, Deduct	*-5.81*	
31 05 16 00-0018	TON	Crushed Gravel (Size 3A) (703-0202EM)	35.08	
		For Up To 14, Add	*9.77*	
		For >14 To 35, Add	*3.51*	
		For >80 To 120, Deduct	*-2.51*	
		For >120 To 175, Deduct	*-4.26*	
		For >175, Deduct	*-6.01*	
31 05 16 00-0019	TON	Mortar Sand (703-03M)	30.37	
		For Up To 14, Add	*8.36*	
		For >14 To 35, Add	*3.04*	
		For >80 To 120, Deduct	*-2.27*	
		For >120 To 175, Deduct	*-3.79*	
		For >175, Deduct	*-5.31*	
31 05 16 00-0020	TON	Concrete Sand (703-07M)	32.50	
		For Up To 14, Add	*9.00*	
		For >14 To 35, Add	*3.25*	
		For >80 To 120, Deduct	*-2.38*	
		For >120 To 175, Deduct	*-4.00*	
		For >175, Deduct	*-5.63*	
31 05 16 00-0021	TON	Crushed Run (Size 25MM) (A1M)	32.00	
		For Up To 14, Add	*8.85*	
		For >14 To 35, Add	*3.20*	
		For >80 To 120, Deduct	*-2.35*	
		For >120 To 175, Deduct	*-3.95*	
		For >175, Deduct	*-5.55*	
31 05 16 00-0022	TON	Crushed Run (Size #1) (A2M)	33.04	
		For Up To 14, Add	*9.16*	
		For >14 To 35, Add	*3.30*	
		For >80 To 120, Deduct	*-2.40*	
		For >120 To 175, Deduct	*-4.06*	
		For >175, Deduct	*-5.71*	
31 05 16 00-0023	TON	Crushed Run (Size 25MM) (A3M)	31.34	
		For Up To 14, Add	*8.65*	
		For >14 To 35, Add	*3.13*	
		For >80 To 120, Deduct	*-2.32*	
		For >120 To 175, Deduct	*-3.89*	
		For >175, Deduct	*-5.45*	
31 05 16 00-0024	TON	Crushed Run (Size 40MM) (A4M)	30.64	
		For Up To 14, Add	*8.44*	
		For >14 To 35, Add	*3.06*	
		For >80 To 120, Deduct	*-2.28*	
		For >120 To 175, Deduct	*-3.82*	
		For >175, Deduct	*-5.35*	
31 05 16 00-0025	TON	Crushed Run (Size 50MM) (A5M)	30.35	
		For Up To 14, Add	*8.35*	
		For >14 To 35, Add	*3.04*	
		For >80 To 120, Deduct	*-2.27*	
		For >120 To 175, Deduct	*-3.79*	
		For >175, Deduct	*-5.31*	
31 05 16 00-0026	TON	Embankment (Bank Run Gravel)	27.56	
		For Up To 14, Add	*7.52*	
		For >14 To 35, Add	*2.76*	
		For >80 To 120, Deduct	*-2.13*	
		For >120 To 175, Deduct	*-3.51*	
		For >175, Deduct	*-4.89*	
31 05 16 00-0027	TON	Select Granular Subbase (203.20M)	27.94	
		For Up To 14, Add	*7.63*	
		For >14 To 35, Add	*2.79*	
		For >80 To 120, Deduct	*-2.15*	
		For >120 To 175, Deduct	*-3.55*	
		For >175, Deduct	*-4.94*	
31 05 16 00-0028	TON	Type 1 Subbase Course (304.11M)	29.01	
		For Up To 14, Add	*7.95*	
		For >14 To 35, Add	*2.90*	
		For >80 To 120, Deduct	*-2.20*	
		For >120 To 175, Deduct	*-3.65*	
		For >175, Deduct	*-5.10*	
31 05 16 00-0029	TON	Type 2 Subbase Course (304.12M)	29.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For Up To 14, Add	*8.12*	
		For >14 To 35, Add	*2.96*	
		For >80 To 120, Deduct	*-2.23*	
		For >120 To 175, Deduct	*-3.71*	
		For >175, Deduct	*-5.19*	
31 05 16 00-0030	TON	Type 3 Subbase Course (304.13M)	28.88	
		For Up To 14, Add	*7.91*	
		For >14 To 35, Add	*2.89*	
		For >80 To 120, Deduct	*-2.20*	
		For >120 To 175, Deduct	*-3.64*	
		For >175, Deduct	*-5.08*	
31 05 16 00-0031	TON	Type 4 Subbase Course (304.14M)	29.68	
		For Up To 14, Add	*8.15*	
		For >14 To 35, Add	*2.97*	
		For >80 To 120, Deduct	*-2.24*	
		For >120 To 175, Deduct	*-3.72*	
		For >175, Deduct	*-5.20*	
31 05 16 00-0032	TON	Type 4A Subbase Course (304.14AM)	30.53	
		For Up To 14, Add	*8.41*	
		For >14 To 35, Add	*3.05*	
		For >80 To 120, Deduct	*-2.28*	
		For >120 To 175, Deduct	*-3.81*	
		For >175, Deduct	*-5.33*	
31 05 16 00-0033	TON	Type 1011 Subbase Course (Recycled Crushed Concrete) (17304.1011M)	33.12	
		For Up To 14, Add	*9.18*	
		For >14 To 35, Add	*3.31*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	9,716.56
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,635.67
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	12,955.41
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	4,392.77
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	17,813.69
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	6,589.15
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	25,910.83
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	9,224.82
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	438.58
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	880.59
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,247.57
31 11 00 00-0013	ACR	Chipping - Light Brush	3,455.39
31 11 00 00-0014	ACR	Chipping - Medium Brush	4,442.88
31 11 00 00-0015	ACR	Chipping - Heavy Brush	6,220.59

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0034 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	14.90
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	17.88
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	57.44
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	45.13

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	809.71
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,214.57
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,619.43
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,429.14
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,238.85

31 13 13 00-0007 Stump Removal *(31 13 13)*

Note: Measured by diameter of stump.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0008		**Stump Removal By Machine** *(31 13 13 00-0007)*		
31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	131.79	
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	252.59	
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	329.46	
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	494.20	
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	582.08	
31 13 13 00-0014		**Stump Removal By Hand** *(31 13 13 00-0007)*		
31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	872.37	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,090.47	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,599.34	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,180.92	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,907.89	
31 13 13 00-0020		**Stump Grinding** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0021		**Stump Grinding, 18" Deep Below Surface Of Soil** *(31 13 13 00-0020)* Note: Level soil to match existing surface area.		
31 13 13 00-0022	EA	Stump Grinding >42" To 48" Tree	555.18	
		For 24" Depth, Add	*111.04*	
31 13 13 00-0023	EA	Stump Grinding Up To 6" Tree	165.29	
		For 24" Depth, Add	*33.06*	
31 13 13 00-0024	EA	Stump Grinding >6" To 12" Tree	206.61	
		For 24" Depth, Add	*41.32*	
31 13 13 00-0025	EA	Stump Grinding >12" To 15" Tree	247.93	
		For 24" Depth, Add	*49.59*	
31 13 13 00-0026	EA	Stump Grinding >15" To 18" Tree	275.48	
		For 24" Depth, Add	*55.10*	
31 13 13 00-0027	EA	Stump Grinding >18" To 21" Tree	296.14	
		For 24" Depth, Add	*59.23*	
31 13 13 00-0028	EA	Stump Grinding >21" To 24" Tree	316.81	
		For 24" Depth, Add	*63.36*	
31 13 13 00-0029	EA	Stump Grinding >24" To 27" Tree	344.36	
		For 24" Depth, Add	*68.87*	
31 13 13 00-0030	EA	Stump Grinding >27" To 30" Tree	374.75	
		For 24" Depth, Add	*74.95*	
31 13 13 00-0031	EA	Stump Grinding >30" To 33" Tree	416.39	
		For 24" Depth, Add	*83.28*	
31 13 13 00-0032	EA	Stump Grinding >33" To 36" Tree	458.03	
		For 24" Depth, Add	*91.61*	
31 13 13 00-0033	EA	Stump Grinding >36" To 42" Tree	499.66	
		For 24" Depth, Add	*99.93*	
31 13 13 00-0034		**Shrub Removal** *(31 13 13)*		
31 13 13 00-0035	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	64.20	
31 13 13 00-0036	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	100.67	
31 13 13 00-0037	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	116.72	
31 13 13 00-0038	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	175.08	
31 13 13 00-0039	EA	Removal Of 12" To 15" Shrub, Deciduous	32.10	
31 13 13 00-0040	EA	Removal Of 18" To 24" Shrub, Deciduous	49.60	
31 13 13 00-0041	EA	Removal Of 2' To 3' Shrub, Deciduous	64.20	
31 13 13 00-0042	EA	Removal Of 3' To 4' Shrub, Deciduous	70.03	
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Evergreen	64.20	
31 13 13 00-0044	EA	Removal Of 24" To 30" Shrub, Evergreen	70.03	
31 13 13 00-0045	EA	Removal Of 30" To 36" Shrub, Evergreen	100.67	
31 13 13 00-0046	EA	Removal Of 36" To 42" Shrub, Evergreen	175.08	
31 13 16		**Selective Tree and Shrub Trimming** *(31 13)* See CSI section 32 01 90 23-0000 for tree pruning.		
31 13 16 00-0001		**Tree Trimming For Pole Line Construction And Maintenance** *(31 13 16)* Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.69	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	4.02	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	4.73	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 20 Earth Moving *(31)*

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*
Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.58
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.44
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.50
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	1.25

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	548.91
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	762.37

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	14.47
		For Up To 20, Add	*14.47*
		For >20 To 50, Add	*10.85*
		For >50 To 250, Add	*5.79*
		For >250 To 500, Add	*2.17*
		For >1,000, Deduct	*-2.17*
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	8.94
		For Up To 20, Add	*8.94*
		For >20 To 50, Add	*6.71*
		For >50 To 250, Add	*3.58*
		For >250 To 500, Add	*1.34*
		For >1,000, Deduct	*-1.34*
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	23.96
		For Up To 20, Add	*23.96*
		For >20 To 50, Add	*17.97*
		For >50 To 250, Add	*9.58*
		For >250 To 500, Add	*3.59*
		For >1,000, Deduct	*-3.59*
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	15.88
		For Up To 20, Add	*15.88*
		For >20 To 50, Add	*11.91*
		For >50 To 250, Add	*6.35*
		For >250 To 500, Add	*2.38*
		For >1,000, Deduct	*-2.38*

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	189.54
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	325.13
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	1.47
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	1.69

31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*
Note: With imported or stockpiled materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	5.29	
		For Up To 20, Add	*5.29*	
		For >20 To 50, Add	*3.97*	
		For >50 To 250, Add	*2.12*	
		For >250 To 500, Add	*0.79*	
		For >1,000, Deduct	*-0.79*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	52.65	

31 23 16 13-0014 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, etc.	10.90	
		For Up To 20, Add	*10.90*	
		For >20 To 50, Add	*8.18*	
		For >50 To 250, Add	*4.36*	
		For >250 To 500, Add	*1.64*	
		For >1,000, Deduct	*-1.64*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	59.39	

31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	9.20	
		For Up To 20, Add	*9.20*	
		For >20 To 50, Add	*6.90*	
		For >50 To 250, Add	*3.68*	
		For >250 To 500, Add	*1.38*	
		For >1,000, Deduct	*-1.38*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	138.99	

31 23 16 13-0020 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for cleanup.

31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	4.32	
		For Up To 20, Add	*4.32*	
		For >20 To 50, Add	*3.24*	
		For >50 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.65*	
		For >1,000, Deduct	*-0.65*	

31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	3.07	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	3.37	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.81	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	5.42	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	12.77	
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	14.37	
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	17.03	
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	19.16	
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	20.90	
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	23.00	
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	25.55	
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	28.74	
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	32.85	
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	38.32	
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	45.98	
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	57.48	

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	101.84	
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	24.61	

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	7.77	
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	9.99	
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	10.93	
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	12.40	
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	17.39	
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	23.20	
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	28.31	
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	32.92	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	44.35	
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	54.52	
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	64.40	
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	74.57	

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	9.36	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	12.07	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	13.07	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	14.53	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	20.16	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	26.90	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	32.72	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	37.87	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	50.08	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	60.64	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	70.79	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	81.13	

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	7.03	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	9.15	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	9.57	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	9.86	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	13.16	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	17.55	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	21.06	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	23.87	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	29.09	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	32.65	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	35.80	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	38.62	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Blasting *(31 23 16 26)*

Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.

31 23 16 26-0002	BCY	Break Rock By Blasting	110.39	

31 23 16 26-0003 Rock Breaking By Jack Hammer *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0004	CY	Break Rock With Jack Hammer, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	79.85	
31 23 16 26-0005	CY	Break Rock With Jack Hammer, Medium Metamorphic (Slate) Rock	99.82	
31 23 16 26-0006	CY	Break Rock With Jack Hammer, Hard Igneous (Granite, Basalt) Rock	124.77	

31 23 16 26-0007 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0008	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	30.65	
31 23 16 26-0009	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	32.69	
31 23 16 26-0010	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	38.82	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	13.51	
		For >1,000, Deduct		*-2.03*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	7.21	
		For >1,000, Deduct		*-1.08*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	16.63	
		Note: Includes compacted aggregate		
		For >1,000, Deduct		*-2.49*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	8.88	
		Note: Includes compacted aggregate		
		For >1,000, Deduct		*-1.33*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	8.34	
		For >1,000, Deduct		*-1.25*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk for Bulk Excavation by Machine	9.26	
		For >1,000, Deduct		*-1.39*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	7.41	
		For >1,000, Deduct	*-1.11*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	11.12	
		For >1,000, Deduct	*-1.67*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	16.67	
		For >1,000, Deduct	*-2.50*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	22.24	
		For >1,000, Deduct	*-3.34*	

31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.92	

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.95	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	7.03	
		For >1,000, Deduct	*-1.05*	

31 23 16 36 Excavation for Building Foundations and Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	12.43	
		For Up To 20, Add	*12.43*	
		For >20 To 50, Add	*9.32*	
		For >50 To 250, Add	*4.97*	
		For >250 To 500, Add	*1.86*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	15.45	
		For Up To 20, Add	*15.45*	
		For >20 To 50, Add	*11.59*	
		For >50 To 250, Add	*6.18*	
		For >250 To 500, Add	*2.32*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	8.66	
		For Up To 20, Add	*8.66*	
		For >20 To 50, Add	*6.50*	
		For >50 To 250, Add	*3.46*	
		For >250 To 500, Add	*1.30*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	10.31	
		For Up To 20, Add	*10.31*	
		For >20 To 50, Add	*7.73*	
		For >50 To 250, Add	*4.12*	
		For >250 To 500, Add	*1.55*	

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	189.54	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	325.13	

31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	7.41	
		For Up To 20, Add	*7.41*	
		For >20 To 50, Add	*5.56*	
		For >50 To 250, Add	*2.96*	
		For >250 To 500, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	11.12	
		For Up To 20, Add	*11.12*	
		For >20 To 50, Add	*8.34*	
		For >50 To 250, Add	*4.45*	
		For >250 To 500, Add	*1.67*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	16.67	
		For Up To 20, Add	*16.67*	
		For >20 To 50, Add	*12.50*	
		For >50 To 250, Add	*6.67*	
		For >250 To 500, Add	*2.50*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	22.24	
		For Up To 20, Add	*22.24*	
		For >20 To 50, Add	*16.68*	
		For >50 To 250, Add	*8.90*	
		For >250 To 500, Add	*3.34*	
31 23 16 36-0016		**Backfilling** *(31 23 16 36)*		
		Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	6.13	
		For Up To 20, Add	*6.13*	
		For >20 To 50, Add	*4.60*	
		For >50 To 250, Add	*2.45*	
		For >250 To 500, Add	*0.92*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	6.71	
		For Up To 20, Add	*6.71*	
		For >20 To 50, Add	*5.03*	
		For >50 To 250, Add	*2.68*	
		For >250 To 500, Add	*1.01*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	90.25	
31 23 16 36-0020		**Compaction Of Fill Or Subbase** *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	17.30	
		For Up To 20, Add	*17.30*	
		For >20 To 50, Add	*12.98*	
		For >50 To 250, Add	*6.92*	
		For >250 To 500, Add	*2.60*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	59.38	
31 23 16 36-0023		**Grading For Building Foundations And Other Structures** *(31 23 16 36)*		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.60	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.58	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	17.56	
31 23 16 36-0027		**Loading Excess Material For Removal From Excavation** *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0034 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	7.33	
		For Up To 20, Add	*7.33*	
		For >20 To 50, Add	*5.50*	
		For >50 To 250, Add	*2.93*	
		For >250 To 500, Add	*1.10*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	138.99	
31 23 16 36-0030		**Spread Excess Or Imported Material And Grade On Site** *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	4.32	
		For Up To 20, Add	*4.32*	
		For >20 To 50, Add	*3.24*	
		For >50 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.65*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	76.70	
31 23 19		**Dewatering** *(31 23)*		
31 23 19 00-0001		**Well Point Dewatering System** *(31 23 19)*		
31 23 19 00-0002		**Delivery, Installation And Removal Cost** *(31 23 19 00-0001)*		
		Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	182.37	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	100.31	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	91.19	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	82.06	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	72.95	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	63.83	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 19 00-0009 **Well Point Dewatering System Rental** *(31 23 19 00-0001)*
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.29	
		For >5 Days And <1 Month, Deduct	*-0.50*	
		For >1 Month, Deduct	*-0.64*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.34	
		For >5 Days And <1 Month, Deduct	*-0.29*	
		For >1 Month, Deduct	*-0.38*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.96	
		For >5 Days And <1 Month, Deduct	*-0.21*	
		For >1 Month, Deduct	*-0.27*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.70	
		For >5 Days And <1 Month, Deduct	*-0.15*	
		For >1 Month, Deduct	*-0.20*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	

31 23 19 00-0015 **Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)*
Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	158.93	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 **Compaction Water, Water Truck And Operator** *(31 23 23 23)*

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator	350.29	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 **Flowable Fill (Fly Ash) Cement Backfill For Trenches** *(31 23 23 33)*
Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	157.78	
		For Up To 20, Add	*68.52*	
		For >20 To 50, Add	*44.27*	
		For >50 To 250, Add	*22.14*	
		For >500 To 1,000, Deduct	*-12.13*	
		For >1,000, Deduct	*-24.25*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 **Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)*
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 **Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 **Cutting, Shaping, And Rough Grading** *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	9.26	
		For Up To 20, Add	*9.26*	
		For >20 To 50, Add	*6.95*	
		For >50 To 250, Add	*3.70*	
		For >250 To 500, Add	*1.39*	
		For >1,000, Deduct	*-1.39*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	11.49	
		For Up To 20, Add	*11.49*	
		For >20 To 50, Add	*8.62*	
		For >50 To 250, Add	*4.60*	
		For >250 To 500, Add	*1.72*	
		For >1,000, Deduct	*-1.72*	

31 24 13 00-0006 **Cutting, Shaping, And Rough Grading By Hand** *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	9.71	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	12.64	

31 24 13 00-0009 **Scarify Soil** *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	8.58	
		For Up To 20, Add	*4.29*	
		For >20 To 50, Add	*2.15*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.72*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	16.67	
		For Up To 20, Add	*16.67*	
		For >20 To 50, Add	*12.50*	
		For >50 To 250, Add	*6.67*	
		For >250 To 500, Add	*2.50*	
		For >1,000, Deduct	*-2.50*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	22.24	
		For Up To 20, Add	*22.24*	
		For >20 To 50, Add	*16.68*	
		For >50 To 250, Add	*8.90*	
		For >250 To 500, Add	*3.34*	
		For >1,000, Deduct	*-3.34*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	10.20	
		For Up To 20, Add	*10.20*	
		For >20 To 50, Add	*7.65*	
		For >50 To 250, Add	*4.08*	
		For >250 To 500, Add	*1.53*	
		For >1,000, Deduct	*-1.53*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.04	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.38	
31 24 13 00-0019	LF	Finish Grade For Curb	1.56	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.91	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.95	
		For Up To 250, Add	*0.95*	
		For >250 To 500, Add	*0.71*	
		For >500 To 1,000, Add	*0.38*	
		For >5,000, Deduct	*-0.14*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	7.03	
		For Up To 20, Add	*7.03*	
		For >20 To 50, Add	*5.27*	
		For >50 To 250, Add	*2.81*	
		For >250 To 500, Add	*1.05*	
		For >1,000, Deduct	*-1.05*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	74.10	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	67.41	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	61.72	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	58.49	

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.67	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.52	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.69	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	3.31	

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.73	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	6.26	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	4.01	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	4.18	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	4.44	

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	16.52	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	15.31	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	19.21	

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	5.18	

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	12.01	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	17.08	

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	8.99	3.99
		For >2,500 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.70*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	11.47	4.97
		For >2,500 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-2.14*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	14.28	5.94
		For >2,500 To 5,000, Deduct	*-1.19*	
		For >5,000, Deduct	*-2.61*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	17.64	7.42
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-3.25*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	21.41	8.89
		For >2,500 To 5,000, Deduct	*-1.78*	
		For >5,000, Deduct	*-3.92*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	24.83	10.11
		For >2,500 To 5,000, Deduct	*-2.02*	
		For >5,000, Deduct	*-4.51*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	174.62	66.47
		For >2,500 To 5,000, Deduct	*-11.42*	
		For >5,000, Deduct	*-28.89*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	220.14	73.12
		For >2,500 To 5,000, Deduct	*-12.57*	
		For >5,000, Deduct	*-34.58*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	7.85	2.65
		For >2,500 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.31*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	13.77	3.99
		For >2,500 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-2.18*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0013		**Floating Turbidity Curtain** *(31 25 14 23)* Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.69	
		For Type 1, Deduct	*-4.23*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	32.10	
		For Type 1, Deduct	*-4.66*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.39	
		For Type 1, Deduct	*-5.28*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	38.22	
		For Type 1, Deduct	*-5.79*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	40.11	
		For Type 1, Deduct	*-6.07*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	42.01	
		For Type 1, Deduct	*-6.35*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.21	
		For Type 1, Deduct	*-6.69*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	47.17	
		For Type 1, Deduct	*-7.20*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	49.57	
		For Type 1, Deduct	*-7.57*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.72	
		For Type 1, Deduct	*-8.10*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	55.69	
		For Type 1, Deduct	*-8.58*	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	58.58	
		For Type 1, Deduct	*-9.03*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	63.59	
		For Type 1, Deduct	*-9.97*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	66.69	
		For Type 1, Deduct	*-10.45*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	69.72	
		For Type 1, Deduct	*-10.90*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	72.92	
		For Type 1, Deduct	*-11.38*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	76.06	
		For Type 1, Deduct	*-11.83*	
31 25 14 23-0031		**Turbidity Curtain Anchors** *(31 25 14 23)*		
31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	750.32	
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,023.36	
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,297.59	
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,692.29	
31 25 14 23-0036		**Filter Bags** *(31 25 14 23)*		
31 25 14 23-0037		**Non-Woven Filter Bags** *(31 25 14 23-0036)*		
31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	265.94	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	383.87	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	442.45	
31 25 14 23-0041		**Monofilament Filter Bags** *(31 25 14 23-0036)*		
31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	276.17	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	381.23	
31 25 14 23-0044		**Cable Articulating Concrete Block** *(31 25 14 23)* Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	51.42	
		For Up To 500, Add	*11.89*	
		For >500 To 1,000, Add	*6.74*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	58.20	
		For Up To 500, Add	*13.39*	
		For >500 To 1,000, Add	*7.57*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	66.01	
		For Up To 500, Add	*15.13*	
		For >500 To 1,000, Add	*8.52*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	74.20	
		For Up To 500, Add	*16.98*	
		For >500 To 1,000, Add	*9.56*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	54.33	
		For Up To 500, Add	*12.47*	
		For >500 To 1,000, Add	*7.04*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	61.69	
		For Up To 500, Add	*14.09*	
		For >500 To 1,000, Add	*7.92*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	70.15	
		For Up To 500, Add	*15.95*	
		For >500 To 1,000, Add	*8.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	78.93	
		For Up To 500, Add	*17.92*	
		For >500 To 1,000, Add	*10.03*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*
Note: Includes stakes and embedding.

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*
See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	6.55
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	5.02
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	3.48
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.91

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*
See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	7.77
		For Wire Backed Fence, Add	*0.55*
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	5.96
		For Wire Backed Fence, Add	*0.55*
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	4.11
		For Wire Backed Fence, Add	*0.55*
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	3.31
		For Wire Backed Fence, Add	*0.55*

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	4.64

31 25 14 26-0014 Silt Fences Removal *(31 25 14 26-0001)*

31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	1.26

31 25 14 26-0016 Hay And Straw Bales *(31 25 14 26)*
Note: Includes trench for placement, and stakes.

31 25 14 26-0017	LF	Place Sterilized Straw Bales Note: Includes securing in ground with stakes.	5.88
31 25 14 26-0018	LF	Place Hay Bales Note: Includes securing in ground with stakes.	5.61

31 25 14 26-0019 Sediment Logs (Degradable) *(31 25 14 26)*

31 25 14 26-0020 Sediment Logs (Degradable) *(31 25 14 26-0019)*
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0021	LF	9" Sediment Fiber Roll Log	7.28
31 25 14 26-0022	LF	12" Sediment Fiber Roll Log	8.23
31 25 14 26-0023	LF	20" Sediment Fiber Roll Log	12.05

31 25 14 26-0024 Inlet Protection Sediment Bags *(31 25 14 26)*
Note: Includes removal, cleaning, and replacement per each location.

31 25 14 26-0025	EA	2' x 2' x 3' Inlet Protection Sediment Bag	78.43
31 25 14 26-0026	EA	2' x 3' x 3' Inlet Protection Sediment Bag	90.48
31 25 14 26-0027	EA	2' x 4' x 3' Inlet Protection Sediment Bag	99.50

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	37.08
		For >45 To 90, Deduct	*-0.66*
		For >90 To 225, Deduct	*-3.17*
		For >225, Deduct	*-4.48*

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	48.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	54.67	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	65.23	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	75.63	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	3.06	

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.56	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.94*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.30*	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.34	
		For Up To 50, Add	*1.43*	
		For >50 To 150, Add	*1.06*	
		For >150 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.34*	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.92	
		For Up To 50, Add	*1.56*	
		For >50 To 150, Add	*1.15*	
		For >150 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.37*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.90	
		For Up To 50, Add	*2.16*	
		For >50 To 150, Add	*1.60*	
		For >150 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.52*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.32	
		For Up To 50, Add	*2.45*	
		For >50 To 150, Add	*1.82*	
		For >150 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.60*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.65	
		For Up To 50, Add	*1.28*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.28	
		For Up To 50, Add	*1.82*	
		For >50 To 150, Add	*1.35*	
		For >150 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.44*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.74	
		For Up To 50, Add	*0.41*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.86	
		For Up To 50, Add	*0.43*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	2.01	
		For Up To 50, Add	*0.46*	
		For >50 To 150, Add	*0.34*	
		For >150 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.16	
		For Up To 50, Add	*0.49*	
		For >50 To 150, Add	*0.36*	
		For >150 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.56	
		For Up To 50, Add	*0.57*	
		For >50 To 150, Add	*0.42*	
		For >150 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.14*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	3.00	
		For Up To 50, Add	*0.68*	
		For >50 To 150, Add	*0.50*	
		For >150 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.30	
		For Up To 50, Add	*0.74*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.06	
		For Up To 50, Add	*0.89*	
		For >50 To 150, Add	*0.66*	
		For >150 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.22*	

31 32 19 16-0010 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0011	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.50	
		For Up To 50, Add	*0.56*	
		For >50 To 150, Add	*0.42*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.14*	
31 32 19 16-0012	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.49	
		For Up To 50, Add	*0.76*	
		For >50 To 150, Add	*0.56*	
		For >150 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.14	
		For Up To 50, Add	*1.30*	
		For >50 To 150, Add	*0.97*	
		For >150 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.32*	
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.99	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.24	
		For Up To 50, Add	*1.12*	
		For >50 To 150, Add	*0.84*	
		For >150 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0016	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.60	
		For Up To 50, Add	*1.20*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0017	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.14	
		For Up To 50, Add	*1.50*	
		For >50 To 150, Add	*1.12*	
		For >150 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.37*	
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.16	
		For Up To 50, Add	*2.11*	
		For >50 To 150, Add	*1.57*	
		For >150 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.52*	

31 32 19 16-0019 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.59
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.83
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.20
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.63
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.99
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.27
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.55
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.91
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0030		High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0019)*		
31 32 19 16-0031	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.22	
31 32 19 16-0032	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.10	
31 32 19 16-0033	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.21	
31 32 19 16-0034	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.68	
31 32 19 16-0035	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.41	
31 32 19 16-0036	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.62	
31 32 19 16-0037	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.84	
31 32 19 16-0038	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.93	
31 32 19 16-0039	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	3.02	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001		Geoweb Cellular Confinement System *(31 32 19 26)* Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	8.94	
		For >20,000, Deduct	*-0.19*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	10.66	
		For >20,000, Deduct	*-0.28*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	12.71	
		For >20,000, Deduct	*-0.38*	

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001		Erosion Control Fabric *(31 35 19 19)*		
31 35 19 19-0002	SY	26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.87	

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001		Stone Filled Gabion Slope Protection *(31 36 13)* Note: Machine placed by SY of total top face area for depth indicated.		
31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	88.75	
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	104.16	
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	124.25	
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	147.32	
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	173.19	
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	236.60	
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	298.60	

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001		Random - Filter Stone *(31 37 13)*		
31 37 13 00-0002	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	59.12	
31 37 13 00-0003	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	68.47	
31 37 13 00-0004	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	72.87	
31 37 13 00-0005	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	77.89	
31 37 13 00-0006	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	81.93	
31 37 13 00-0007	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	88.62	
31 37 13 00-0008	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	109.02	

31 40 Shoring and Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001		Wood Sheet Piling *(31 41 13)*		
31 41 13 00-0002		Pull And Salvage *(31 41 13 00-0001)* Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.		
31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	18.12	
		For Wood Sheeting Left In Place	*-2.16*	
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	19.63	
		For Wood Sheeting Left In Place	*-2.46*	
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	21.28	
		For Wood Sheeting Left In Place	*-2.80*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	23.08	
		For Wood Sheeting Left In Place	*-3.17*	
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	25.04	
		For Wood Sheeting Left In Place	*-3.57*	
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	27.15	
		For Wood Sheeting Left In Place	*-4.04*	
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	29.47	
		For Wood Sheeting Left In Place	*-4.53*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,455.00	
		For Standard Sheeting Left In Place, Add	*1,210.26*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,162.46*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,555.08	
		For Standard Sheeting Left In Place, Add	*1,160.22*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,112.42*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,020.33	
		For Standard Sheeting Left In Place, Add	*927.59*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*879.80*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,468.03	
		For Standard Sheeting Left In Place, Add	*703.74*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*655.95*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,731.38	
		For Standard Sheeting Left In Place, Add	*572.07*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*524.27*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	4,000.00	
		For Standard Sheeting Left In Place, Add	*437.76*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*389.96*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Minimum Charge For Mobilization PolyLift™ Concrete Lifting And Leveling	3,918.41
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	35.79
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	29.96

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	19.67

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 16 Steel Piles *(31 62)*

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0001		Unfilled Tubular Driven Steel Piles *(31 62 16 19)*		
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	55.16	
		For Piles Driven In Water, Add	*26.41*	
		For Pulling And Salvage After Use, Add	*23.22*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	63.15	
		For Piles Driven In Water, Add	*27.21*	
		For Pulling And Salvage After Use, Add	*23.22*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	71.77	
		For Piles Driven In Water, Add	*28.08*	
		For Pulling And Salvage After Use, Add	*23.22*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	63.15	
		For Piles Driven In Water, Add	*27.21*	
		For Pulling And Salvage After Use, Add	*23.22*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	70.73	
		For Piles Driven In Water, Add	*27.97*	
		For Pulling And Salvage After Use, Add	*23.22*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	87.50	
		For Piles Driven In Water, Add	*29.65*	
		For Pulling And Salvage After Use, Add	*23.22*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	73.77	
		For Piles Driven In Water, Add	*29.37*	
		For Pulling And Salvage After Use, Add	*24.44*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	82.65	
		For Piles Driven In Water, Add	*30.26*	
		For Pulling And Salvage After Use, Add	*24.44*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	87.58	
		For Piles Driven In Water, Add	*30.75*	
		For Pulling And Salvage After Use, Add	*24.44*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	101.40	
		For Piles Driven In Water, Add	*32.14*	
		For Pulling And Salvage After Use, Add	*24.44*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	79.88	
		For Piles Driven In Water, Add	*32.29*	
		For Pulling And Salvage After Use, Add	*27.00*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	89.93	
		For Piles Driven In Water, Add	*33.29*	
		For Pulling And Salvage After Use, Add	*27.00*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	99.97	
		For Piles Driven In Water, Add	*34.30*	
		For Pulling And Salvage After Use, Add	*27.00*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	110.02	
		For Piles Driven In Water, Add	*35.30*	
		For Pulling And Salvage After Use, Add	*27.00*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	88.89	
		For Piles Driven In Water, Add	*36.02*	
		For Pulling And Salvage After Use, Add	*30.15*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	100.63	
		For Piles Driven In Water, Add	*37.20*	
		For Pulling And Salvage After Use, Add	*30.15*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	123.54	
		For Piles Driven In Water, Add	*39.49*	
		For Pulling And Salvage After Use, Add	*30.15*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	109.00	
		For Piles Driven In Water, Add	*40.33*	
		For Pulling And Salvage After Use, Add	*32.70*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	124.26	
		For Piles Driven In Water, Add	*41.86*	
		For Pulling And Salvage After Use, Add	*32.70*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	153.26	
		For Piles Driven In Water, Add	*44.76*	
		For Pulling And Salvage After Use, Add	*32.70*	
31 62 16 19-0022		Splices And Points For Pipe Piles *(31 62 16 19)*		
31 62 16 19-0023		Steel Pipe Pile Splices *(31 62 16 19-0022)*		
31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	469.39	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	504.41	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	655.95	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	690.48	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	834.40	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	1,007.23	
31 62 16 19-0030		Steel Pipe Standard Pile Points *(31 62 16 19-0022)*		
31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	465.73	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	493.77	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	559.44	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	636.56	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	706.67	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	815.05	
31 62 16 19-0037		Steel Pipe Heavy-Duty Pile Points *(31 62 16 19-0022)*		
31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	680.95	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	716.01	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	803.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	943.63	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	1,066.89	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	59.54
		For 5,000 PSI Concrete Grout Fill, Add	*6.61*
		For Piles Driven In Water, Add	*28.66*
		For Placement In Casing Pipe (Not Driven), Deduct	*-16.40*
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	67.52
		For 5,000 PSI Concrete Grout Fill, Add	*7.41*
		For Piles Driven In Water, Add	*29.46*
		For Placement In Casing Pipe (Not Driven), Deduct	*-16.40*
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	76.15
		For 5,000 PSI Concrete Grout Fill, Add	*8.27*
		For Piles Driven In Water, Add	*30.32*
		For Placement In Casing Pipe (Not Driven), Deduct	*-16.40*
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	69.48
		For 5,000 PSI Concrete Grout Fill, Add	*9.34*
		For Piles Driven In Water, Add	*30.16*
		For Placement In Casing Pipe (Not Driven), Deduct	*-16.76*
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	77.07
		For 5,000 PSI Concrete Grout Fill, Add	*10.10*
		For Piles Driven In Water, Add	*30.92*
		For Placement In Casing Pipe (Not Driven), Deduct	*-16.76*
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	93.84
		For 5,000 PSI Concrete Grout Fill, Add	*11.78*
		For Piles Driven In Water, Add	*32.60*
		For Placement In Casing Pipe (Not Driven), Deduct	*-16.76*
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	82.68
		For 5,000 PSI Concrete Grout Fill, Add	*12.63*
		For Piles Driven In Water, Add	*33.44*
		For Placement In Casing Pipe (Not Driven), Deduct	*-18.18*
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	91.56
		For 5,000 PSI Concrete Grout Fill, Add	*13.52*
		For Piles Driven In Water, Add	*34.33*
		For Placement In Casing Pipe (Not Driven), Deduct	*-18.18*
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	96.49
		For 5,000 PSI Concrete Grout Fill, Add	*14.01*
		For Piles Driven In Water, Add	*34.82*
		For Placement In Casing Pipe (Not Driven), Deduct	*-18.18*
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	110.30
		For 5,000 PSI Concrete Grout Fill, Add	*15.39*
		For Piles Driven In Water, Add	*36.20*
		For Placement In Casing Pipe (Not Driven), Deduct	*-18.18*
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	91.99
		For 5,000 PSI Concrete Grout Fill, Add	*15.66*
		For Piles Driven In Water, Add	*38.63*
		For Placement In Casing Pipe (Not Driven), Deduct	*-21.26*
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	102.04
		For 5,000 PSI Concrete Grout Fill, Add	*16.66*
		For Piles Driven In Water, Add	*39.63*
		For Placement In Casing Pipe (Not Driven), Deduct	*-21.26*
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	112.09
		For 5,000 PSI Concrete Grout Fill, Add	*17.67*
		For Piles Driven In Water, Add	*40.64*
		For Placement In Casing Pipe (Not Driven), Deduct	*-21.26*
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	122.13
		For 5,000 PSI Concrete Grout Fill, Add	*18.67*
		For Piles Driven In Water, Add	*41.64*
		For Placement In Casing Pipe (Not Driven), Deduct	*-21.26*
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	101.86
		For 5,000 PSI Concrete Grout Fill, Add	*19.44*
		For Piles Driven In Water, Add	*41.37*
		For Placement In Casing Pipe (Not Driven), Deduct	*-22.52*
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	113.61
		For 5,000 PSI Concrete Grout Fill, Add	*20.62*
		For Piles Driven In Water, Add	*42.55*
		For Placement In Casing Pipe (Not Driven), Deduct	*-22.52*
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	136.51
		For 5,000 PSI Concrete Grout Fill, Add	*22.91*
		For Piles Driven In Water, Add	*44.84*
		For Placement In Casing Pipe (Not Driven), Deduct	*-22.52*
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	124.57
		For 5,000 PSI Concrete Grout Fill, Add	*24.84*
		For Piles Driven In Water, Add	*46.16*
		For Placement In Casing Pipe (Not Driven), Deduct	*-24.34*
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	139.83
		For 5,000 PSI Concrete Grout Fill, Add	*26.37*
		For Piles Driven In Water, Add	*47.69*
		For Placement In Casing Pipe (Not Driven), Deduct	*-24.34*
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	168.83
		For 5,000 PSI Concrete Grout Fill, Add	*29.27*
		For Piles Driven In Water, Add	*50.59*
		For Placement In Casing Pipe (Not Driven), Deduct	*-24.34*

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0022			7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*		
			Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023	VLF		12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	74.34	
			For Piles Driven In Water, Add	*24.85*	
31 62 23 13-0024	VLF		14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	89.77	
			For Piles Driven In Water, Add	*27.63*	
31 62 23 13-0025	VLF		16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	101.47	
			For Piles Driven In Water, Add	*30.24*	
31 62 23 13-0026	VLF		18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	110.35	
			For Piles Driven In Water, Add	*32.80*	
31 62 23 13-0027			Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*		
			Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028	VLF		12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	72.98	
			For Piles Driven In Water, Add	*24.71*	
31 62 23 13-0029	VLF		14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	75.03	
			For Piles Driven In Water, Add	*26.15*	
31 62 23 13-0030	VLF		16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	91.13	
			For Piles Driven In Water, Add	*29.21*	
31 62 23 13-0031	VLF		18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	104.88	
			For Piles Driven In Water, Add	*32.25*	
31 62 23 13-0032			Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*		
31 62 23 13-0033	VLF		8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	44.58	
			For Piles Driven In Water, Add	*19.15*	
			For Thick Wall Shell, Add	*0.07*	
31 62 23 13-0034	VLF		10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	49.24	
			For Piles Driven In Water, Add	*21.25*	
			For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0035	VLF		12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	53.84	
			For Piles Driven In Water, Add	*23.34*	
			For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0036	VLF		14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	58.50	
			For Piles Driven In Water, Add	*25.44*	
			For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0037	VLF		16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	63.15	
			For Piles Driven In Water, Add	*27.54*	
			For Thick Wall Shell, Add	*0.10*	

31 63 Bored Piles *(31 60)*

31 63 33 Drilled Micropiles *(31 63)*

31 63 33 00-0001			Screw In Metal Post *(31 63 33)*		
			Note: Includes all connections, top plates and hardware. Screw-in Metal Post System as manufactured by Techno Metal Post.		
31 63 33 00-0002	EA		Mobilization Up To 100 Miles From Certified Installer Location	415.13	
			Note: Includes delivery, setup/assembly, dismantling/removal and return of equipment.		
			For Each Additional 50 Miles, Add	*160.25*	
31 63 33 00-0003	EA		8" to 12" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	525.39	153.12
			For Each Additional Foot Of Post, Add	*40.67*	
31 63 33 00-0004	EA		8" to 12" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	820.92	239.23
			For Each Additional Foot Of Post, Add	*69.55*	
31 63 33 00-0005	EA		8" to 12" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	957.73	279.11
			For Each Additional Foot Of Post, Add	*630.16*	
31 63 33 00-0006	EA		18" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	609.84	161.09
			For Each Additional Foot Of Post, Add	*40.67*	
31 63 33 00-0007	EA		18" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	905.37	247.21
			For Each Additional Foot Of Post, Add	*69.55*	
31 63 33 00-0008	EA		18" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	1,042.19	287.07
			For Each Additional Foot Of Post, Add	*630.16*	
31 63 33 00-0009	EA		24" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	648.61	169.06
			For Each Additional Foot Of Post, Add	*40.67*	
31 63 33 00-0010	EA		24" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	928.20	247.21
			For Each Additional Foot Of Post, Add	*69.55*	
31 63 33 00-0011	EA		24" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	1,065.01	287.07
			For Each Additional Foot Of Post, Add	*630.16*	
31 63 33 00-0012	EA		8" To 12" Helix Added To Any Size Galvanized Post	161.93	
31 63 33 00-0013	EA		18" Helix Added To Any Size Galvanized Post	205.30	
31 63 33 00-0014	EA		24" Helix Added To Any Size Galvanized Post	216.72	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	3.12	
		For Up To 250, Add	*1.56*	
		For >250 To 1,000, Add	*0.78*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000 To 25,000, Deduct	*-0.78*	
		For >25,000 To 50,000, Deduct	*-1.09*	
		For >50,000, Deduct	*-1.25*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	3.75	
		For Up To 250, Add	*1.88*	
		For >250 To 1,000, Add	*0.94*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000 To 25,000, Deduct	*-0.94*	
		For >25,000 To 50,000, Deduct	*-1.31*	
		For >50,000, Deduct	*-1.50*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	4.49	
		For Up To 250, Add	*2.25*	
		For >250 To 1,000, Add	*1.12*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 25,000, Deduct	*-1.12*	
		For >25,000 To 50,000, Deduct	*-1.57*	
		For >50,000, Deduct	*-1.80*	
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	4.29	
		For Up To 250, Add	*2.15*	
		For >250 To 1,000, Add	*1.07*	
		For >5,000 To 10,000, Deduct	*-0.64*	
		For >10,000 To 25,000, Deduct	*-1.07*	
		For >25,000 To 50,000, Deduct	*-1.50*	
		For >50,000, Deduct	*-1.72*	
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	5.38	
		For Up To 250, Add	*2.69*	
		For >250 To 1,000, Add	*1.35*	
		For >5,000 To 10,000, Deduct	*-0.81*	
		For >10,000 To 25,000, Deduct	*-1.35*	
		For >25,000 To 50,000, Deduct	*-1.88*	
		For >50,000, Deduct	*-2.15*	
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	5.38	
		For Up To 250, Add	*2.69*	
		For >250 To 1,000, Add	*1.35*	
		For >5,000 To 10,000, Deduct	*-0.81*	
		For >10,000 To 25,000, Deduct	*-1.35*	
		For >25,000 To 50,000, Deduct	*-1.88*	
		For >50,000, Deduct	*-2.15*	

32 01 11 53-0008 Remove Thermoplastic Pavement Markings *(32 01 11 53)*

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	4.01	
		For Up To 250, Add	*2.01*	
		For >250 To 1,000, Add	*1.00*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000 To 25,000, Deduct	*-1.00*	
		For >25,000 To 50,000, Deduct	*-1.40*	
		For >50,000, Deduct	*-1.60*	
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	4.74	
		For Up To 250, Add	*2.37*	
		For >250 To 1,000, Add	*1.19*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 25,000, Deduct	*-1.19*	
		For >25,000 To 50,000, Deduct	*-1.66*	
		For >50,000, Deduct	*-1.90*	
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	5.73	
		For Up To 250, Add	*2.87*	
		For >250 To 1,000, Add	*1.43*	
		For >5,000 To 10,000, Deduct	*-0.86*	
		For >10,000 To 25,000, Deduct	*-1.43*	
		For >25,000 To 50,000, Deduct	*-2.01*	
		For >50,000, Deduct	*-2.29*	
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	5.46	
		For Up To 250, Add	*2.73*	
		For >250 To 1,000, Add	*1.37*	
		For >5,000 To 10,000, Deduct	*-0.82*	
		For >10,000 To 25,000, Deduct	*-1.37*	
		For >25,000 To 50,000, Deduct	*-1.91*	
		For >50,000, Deduct	*-2.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	6.85	
		For Up To 250, Add	*3.43*	
		For >250 To 1,000, Add	*1.71*	
		For >5,000 To 10,000, Deduct	*-1.03*	
		For >10,000 To 25,000, Deduct	*-1.71*	
		For >25,000 To 50,000, Deduct	*-2.40*	
		For >50,000, Deduct	*-2.74*	
32 01 11 53-0014	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	6.85	
		For Up To 250, Add	*3.43*	
		For >250 To 1,000, Add	*1.71*	
		For >5,000 To 10,000, Deduct	*-1.03*	
		For >10,000 To 25,000, Deduct	*-1.71*	
		For >25,000 To 50,000, Deduct	*-2.40*	
		For >50,000, Deduct	*-2.74*	

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Asphalt Seal Coating Minimum *(32 01 13 62)*

32 01 13 62-0002	EA	Minimum Charge For Asphalt Seal Coating Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	982.29

32 01 13 62-0003 Slurry Seal *(32 01 13 62)*

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Includes sweeping and cleaning of area.

32 01 13 62-0004	TON	Up To 45 Ton Type II Slurry Seal Note: 1/4" thick, 14 to 18 Lb./SY.	595.65
		For >45 To 91, Deduct	*-89.35*
		For >91 To 272, Deduct	*-148.91*
32 01 13 62-0005	TON	Up To 45 Ton Type III Slurry Seal Note: 3/8" thick, 25 to 30 Lb./SY.	458.58
		For >45 To 91, Deduct	*-68.79*
		For >91 To 272, Deduct	*-114.65*

32 01 13 62-0006 Micro Surfacing *(32 01 13 62)*

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Includes sweeping and cleaning of area.

32 01 13 62-0007	TON	Up To 45 Ton Type II Micro Surfacing	703.95
		For >45 To 91, Deduct	*-105.59*
		For >91 To 272, Deduct	*-175.99*
32 01 13 62-0008	TON	Up To 45 Ton Type III Micro Surfacing	706.13
		For >45 To 91, Deduct	*-105.92*
		For >91 To 272, Deduct	*-176.53*
32 01 13 62-0009	TON	Up To 45 Ton Rut-Filling Type III Micro Surfacing	715.33
		For >45 To 91, Deduct	*-107.30*
		For >91 To 272, Deduct	*-178.83*
32 01 13 62-0010	TON	Up To 45 Ton 6.3 mm Super Thin HMA	599.72
		For >45 To 91, Deduct	*-89.96*
		For >91 To 272, Deduct	*-149.93*

32 01 16 Flexible Paving Rehabilitation *(32 01)*

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*

Note: Includes direct loading into truck.

32 01 16 71-0002 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	34.74
		For >100 To 1,000, Deduct	*-17.37*
		For >1,000, Deduct	*-26.06*
32 01 16 71-0004	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	46.01
		For >100 To 1,000, Deduct	*-23.01*
		For >1,000, Deduct	*-34.51*
32 01 16 71-0005	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	61.28
		For >100 To 1,000, Deduct	*-30.64*
		For >1,000, Deduct	*-45.96*

32 01 16 71-0006 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0007	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	9.70

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings	15.94
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of >4" To 6" Deep, Asphalt Grindings	23.45

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0004	SY	Up To 49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	5.77	
32 01 16 74-0005	SY	>49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	5.56	
32 01 16 74-0006	SY	Up To 49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	5.98	
32 01 16 74-0007	SY	>49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	5.77	
32 01 16 74-0008	SY	Up To 49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	5.05	
32 01 16 74-0009	SY	>49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	4.88	
32 01 16 74-0010	SY	Up To 49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	5.23	
32 01 16 74-0011	SY	>49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	5.05	
32 01 16 74-0012		Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*		
		Note: Includes direct loading into truck.		
32 01 16 74-0013	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	18.71	
32 01 16 74-0014	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.36	
32 01 16 74-0015	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.68	
32 01 16 74-0016	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.43	
32 01 16 74-0017	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.10	
32 01 16 74-0018	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	20.42	
32 01 16 74-0019	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.21	
32 01 16 74-0020	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.81	
32 01 16 74-0021	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	22.46	
32 01 16 74-0022	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.23	
32 01 16 74-0023	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.61	
32 01 16 74-0024	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.19	
32 01 16 74-0025	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	24.51	
32 01 16 74-0026	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	12.25	
32 01 16 74-0027	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.12	
32 01 16 74-0028	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.71	
32 01 16 74-0029	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	2,105.84	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

32 01 17 61-0001		Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*		
		Note: Includes removing loose materials and cleaning.		
32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	2.18	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.60*	
		For 1" x 1/2" Fill, Add	*1.12*	
		For Backer Rod, Add	*1.27*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.76	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.49*	
		For 1" x 1/2" Fill, Add	*0.93*	
		For Backer Rod, Add	*1.15*	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.41	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.40*	
		For 1" x 1/2" Fill, Add	*0.76*	
		For Backer Rod, Add	*1.04*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.21	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.35*	
		For 1" x 1/2" Fill, Add	*0.66*	
		For Backer Rod, Add	*0.98*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.08	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.31*	
		For 1" x 1/2" Fill, Add	*0.59*	
		For Backer Rod, Add	*0.92*	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.99	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.28*	
		For 1" x 1/2" Fill, Add	*0.53*	
		For Backer Rod, Add	*0.88*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	4.26	
		For 3/8" x 1/4" Fill, Add	*0.93*	
		For 1/2" x 1/4" Fill, Add	*1.69*	
		For 1/2" x 1/2" Fill, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.43	
		For 3/8" x 1/4" Fill, Add	*0.76*	
		For 1/2" x 1/4" Fill, Add	*1.39*	
		For 1/2" x 1/2" Fill, Add	*3.22*	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.64	
		For 3/8" x 1/4" Fill, Add	*0.60*	
		For 1/2" x 1/4" Fill, Add	*1.10*	
		For 1/2" x 1/2" Fill, Add	*2.56*	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.32	
		For 3/8" x 1/4" Fill, Add	*0.53*	
		For 1/2" x 1/4" Fill, Add	*0.97*	
		For 1/2" x 1/2" Fill, Add	*2.28*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.09	
		For 3/8" x 1/4" Fill, Add	*0.47*	
		For 1/2" x 1/4" Fill, Add	*0.87*	
		For 1/2" x 1/2" Fill, Add	*2.03*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.96	
		For 3/8" x 1/4" Fill, Add	*0.44*	
		For 1/2" x 1/4" Fill, Add	*0.81*	
		For 1/2" x 1/2" Fill, Add	*1.88*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.74	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	2,108.54	
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	630.30	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	2,040.89	
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	607.75	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	2,007.06	
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	596.47	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,973.23	
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	585.19	

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	2,313.50	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	751.03	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	2,245.85	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	728.48	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	2,212.02	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	717.20	
32 01 17 63-0017	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	2,178.19	
32 01 17 63-0018	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	705.92	

32 01 17 63-0019 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting.

32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,960.22	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	367.04	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,892.57	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	344.49	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,858.74	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	333.21	
32 01 17 63-0026	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,824.91	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0027	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	321.93	

32 01 17 63-0028 Grind Asphalt *(32 01 17 63)*

32 01 17 63-0029	SY	Grinding Asphalt To Level Bump Or Raised Area	31.35	

32 01 29 Rigid Paving Repair *(32 01)*

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001 Hot Applied Flexible Concrete Repair *(32 01 29 61)*

Note: Excludes saw cutting (where required), flagmen.

32 01 29 61-0002	EA	Minimum Charge For Hot Applied Flexible Concrete Repair Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,525.99	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	74.49	
		For >25 SF Quantity, Deduct	*-7.45*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	138.05	
		For >25 SF Quantity, Deduct	*-13.81*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	200.87	
		For >25 SF Quantity, Deduct	*-20.09*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	263.70	
		For >25 SF Quantity, Deduct	*-26.37*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	326.53	
		For >25 SF Quantity, Deduct	*-32.65*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	388.63	

32 01 29 61-0009 Cold Applied Flexible Concrete Repair *(32 01 29 61)*

32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	8.16	
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	11.37	
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	14.71	
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	18.21	
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	25.78	
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	8.25	
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	11.46	
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	14.80	
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	18.30	
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	25.87	
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	8.20	
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	11.41	
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	14.75	
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	18.25	
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	25.82	

32 01 90 Operation and Maintenance of Planting *(32 01)*

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	20.74	
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	15.66	
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	16.99	
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	14.11	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	266.34	
		For <1 Acre, Add	*66.59*	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	44.89	
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	51.30	
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	57.72	
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	64.13	
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	97.46	
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	150.96	
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	170.55	
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	287.51	
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	273.13	
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	459.91	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	315.60	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	531.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	366.87	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	618.11	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	446.58	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	747.61	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	554.75	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	942.22	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	759.83	
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,277.01	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	1,205.44	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	2,053.64	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	55.02	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	62.84	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	70.67	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	78.62	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	119.41	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	184.87	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	208.93	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	352.20	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	334.63	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	563.38	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	386.57	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	651.50	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	449.42	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	757.15	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	547.02	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	915.86	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	679.51	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,154.21	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	930.77	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,564.34	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,476.64	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,515.72	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	60.66	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	69.26	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	77.98	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	86.57	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	131.60	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	203.85	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	230.22	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	388.14	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	368.74	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	620.87	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	426.08	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	718.06	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	495.33	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	834.50	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	602.95	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,009.31	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	748.90	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,271.95	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	1,025.82	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,723.92	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,627.35	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,772.46	

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	65.16	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	74.39	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	83.75	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	92.99	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	141.34	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	218.94	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	247.28	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	416.89	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	396.07	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	666.88	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	457.63	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	771.25	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	532.01	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	896.31	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	647.58	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,084.06	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	804.44	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,366.25	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	1,101.74	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,851.72	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,747.91	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,977.75	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	74.77	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	85.55	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	96.20	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	106.84	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	162.37	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	251.57	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	284.22	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	479.14	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	455.19	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	766.50	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	525.99	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	886.39	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	611.41	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,030.15	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	744.28	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,246.07	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	924.62	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,570.39	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	1,266.43	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,128.44	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	2,009.04	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	3,422.81	

32 01 90 23-0117 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed	146.15	
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height	5.13	
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height	11.54	
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'	20.52	
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground	51.30	
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work	128.26	

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	56.26	
32 01 90 26-0003	CSF	Watering Groundcover	8.76	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	15.61	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	30.35	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	39.89	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	49.44	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	60.85	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	15.25	

32 01 90 36 Weed and Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 Oz./Acre or 1.62 Oz./MSF)	11.65	
		For >45 To 90, Deduct	*-0.62*	
		For >90 To 225, Deduct	*-1.79*	
		For >225 To 870, Deduct	*-2.95*	
		For >870, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 Oz./Acre or 2.94 Oz./MSF)	12.33	
		For >45 To 90, Deduct	*-0.69*	
		For >90 To 225, Deduct	*-1.93*	
		For >225 To 870, Deduct	*-3.16*	
		For >870, Deduct	*-3.85*	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 Oz./Acre or 1.28 Oz./MSF)	12.29	
		Note: Includes pre and post emergent.		
		For >45 To 90, Deduct	*-0.69*	
		For >90 To 225, Deduct	*-1.92*	
		For >225 To 870, Deduct	*-3.15*	
		For >870, Deduct	*-3.84*	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 Oz./Acre or 1.65 Oz./MSF)	12.71	
		Note: Includes pre and post emergent.		
		For >45 To 90, Deduct	*-0.73*	
		For >90 To 225, Deduct	*-2.00*	
		For >225 To 870, Deduct	*-3.27*	
		For >870, Deduct	*-4.00*	

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	16.18	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	16.23	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	17.29	

32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	63.18	
32 01 90 43-0002	MSF	Weed Unmulched Bed	180.51	
32 01 90 43-0003	MSF	Cultivate Bed	97.20	

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	8.36	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	12.53	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	18.98	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	19.34	

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	8.63	

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course	114.45	
		For Limestone, Deduct	*-8.27*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.81	
		For Up To 1,000, Add	*0.22*	
		For >1,000 To 2,500, Add	*0.08*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.14	
		For Up To 1,000, Add	*0.32*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.48	
		For Up To 1,000, Add	*0.41*	
		For >1,000 To 2,500, Add	*0.15*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.92	
		For Up To 1,000, Add	*0.53*	
		For >1,000 To 2,500, Add	*0.19*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.37	
		For Up To 1,000, Add	*0.66*	
		For >1,000 To 2,500, Add	*0.24*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.72	
		For Up To 1,000, Add	*0.75*	
		For >1,000 To 2,500, Add	*0.27*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	3.09	
		For Up To 1,000, Add	*0.86*	
		For >1,000 To 2,500, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.73	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.80	
		For Up To 150, Add	*0.15*	
		For >150 To 300, Add	*0.08*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.93	
		For Up To 150, Add	*0.19*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.06*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	1.00	
		For Up To 150, Add	*0.20*	
		For >150 To 300, Add	*0.10*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.06*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.14	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.20	
		For Up To 150, Add	*0.25*	
		For >150 To 300, Add	*0.12*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.08*	

32 12 13 16 Asphaltic Tack Coats *(32 12 13)*

Note: Cost includes furnishing, heating, hauling and applying up to 4,000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0001 Asphaltic Tack Coats *(32 12 13 16)*

Note: Cost includes furnishing, heating, hauling and applying up to 4000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0002	GAL	Asphalt Emulsion Tack Coat; NYSDOT HFMS-2h	8.83
32 12 13 16-0003	GAL	Asphalt Emulsion Tack Coat; NYSDOT SS-1h	7.67
32 12 13 16-0004	GAL	Asphalt Emulsion Tack Coat; NYSDOT CSS-1h	5.61

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.98	
		For Up To 150, Add	*0.44*	
		For >150 To 300, Add	*0.20*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.13*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	2.09	
		For Up To 150, Add	*0.47*	
		For >150 To 300, Add	*0.21*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.14*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.19	
		For Up To 150, Add	*0.49*	
		For >150 To 300, Add	*0.22*	
		For >300 To 500, Add	*0.11*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.15*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Bituminous Concrete Paving *(32 12 16 13)*

32 12 16 13-0002	TON	Bituminous Stabilized Course	141.47
32 12 16 13-0003	TON	Type 1 Base	150.83
32 12 16 13-0004	TON	Type 1 Base Recycled	150.83
32 12 16 13-0005	TON	Type 2 Base	146.15
32 12 16 13-0006	TON	Type 3 Binder	158.44
32 12 16 13-0007	TON	Type 3 Binder Recycled	158.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0008	TON	Type 5 Shim	184.18	
32 12 16 13-0009	TON	Type 6 Top	167.10	
32 12 16 13-0010	TON	Type 6 Top Recycled	167.10	
32 12 16 13-0011	TON	Type 6F Top (High Friction) Marshall Design	167.10	
32 12 16 13-0012	TON	Type 6F2 High Volume	167.10	
32 12 16 13-0013	TON	Type 6F3 High Volume	167.10	
32 12 16 13-0014	TON	Type 7 Top	172.13	
32 12 16 13-0015	TON	Type 7F Top (High Friction) Marshall Design	172.13	
32 12 16 13-0016	TON	Type 7F2 High Volume	172.13	
32 12 16 13-0017	TON	Type 7F3 High Volume	172.13	
32 12 16 13-0018	TON	Superpave Downstate High Volume 9.5mm F1 Note: Includes nuclear density monitoring.	184.30	
32 12 16 13-0019	TON	Superpave Upstate High Volume 9.5mm F2 Note: Includes nuclear density monitoring.	184.30	
32 12 16 13-0020	TON	Superpave Low Volume 9.5mm F3 Note: Includes nuclear density monitoring.	184.30	
32 12 16 13-0021	TON	Superpave Downstate High Volume 12.5mm F1 Note: Includes nuclear density monitoring.	178.63	
32 12 16 13-0022	TON	Superpave Upstate High Volume 12.5mm F2, 402-098301M Note: Includes nuclear density monitoring.	178.63	
32 12 16 13-0023	TON	Superpave Upstate Low Volume 12.5mm F3, 402-098301M Note: Includes nuclear density monitoring.	178.63	
32 12 16 13-0024	TON	Superpave HMA 19.0mm F9, 402.198901M Note: Includes nuclear density monitoring.	169.95	

32 12 16 13-0025 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0026	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	438.73	

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	13.34	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	12.85	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	18.93	

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	2.01	
		For Up To 50, Add	*0.46*	
		For >50 To 150, Add	*0.34*	
		For >150 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.11*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.16	
		For Up To 50, Add	*0.49*	
		For >50 To 150, Add	*0.36*	
		For >150 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat, PMCRS-2h (Chip Seal) *(32 12 36 13)*

Note: A chip seal is an application of asphalt binder followed by placement of a layer of aggregate chips, and then rolled to embed the aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0002	SY	Up To 200 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.54	
32 12 36 13-0003	SY	>200 To 500 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.78	
32 12 36 13-0004	SY	>500 To 1,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.40	
32 12 36 13-0005	SY	>1,000 To 5,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.97	
32 12 36 13-0006	SY	>5,000 To 10,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.74	
32 12 36 13-0007	SY	>10,000 To 20,000 SY Chip Seal, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.42	
32 12 36 13-0008	SY	>20,00 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.20	

32 12 36 13-0009 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0010	SY	Up To 200 SY, CQS-1h, Fog Seal	2.31	
32 12 36 13-0011	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.65	
32 12 36 13-0012	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.40	
32 12 36 13-0013	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.19	
32 12 36 13-0014	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	1.08	
32 12 36 13-0015	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.99	
32 12 36 13-0016	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.90	
32 12 36 13-0017	SY	>50,000 SY, CQS-1h, Fog Seal	0.87	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0018		Sand Sealer *(32 12 36 13)* Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0019	SY	Up To 200 SY, Sand Seal	3.31	
32 12 36 13-0020	SY	>200 To 500 SY, Sand Seal	2.16	
32 12 36 13-0021	SY	>500 To 1,000 SY, Sand Seal	2.14	
32 12 36 13-0022	SY	>1,000 To 5,000 SY, Sand Seal	1.87	
32 12 36 13-0023	SY	>5,000 To 10,000 SY, Sand Seal	1.73	
32 12 36 13-0024	SY	>10,000 To 20,000 SY, Sand Seal	1.61	
32 12 36 13-0025	SY	>20,000 To 50,000 SY, Sand Seal	1.52	
32 12 36 13-0026	SY	>50,000 SY, Sand Seal	1.49	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001		Flexible Recycled Plastic Porous Grid *(32 12 43)* Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.		
32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	42.76	
		For Up To 100, Add	*14.84*	
		For >100 To 500, Add	*3.80*	
		For >1,000 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-3.27*	

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001		Expansion Joint In Sidewalk *(32 12 73)*		
32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	4.13	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001		Concrete Paving Assemblies *(32 13 13 33)* Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002		4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*		
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	75.21	
		For 2,500 PSI Concrete, Deduct	*-3.98*	
		For 3,000 PSI Concrete, Deduct	*-2.59*	
		For 3,500 PSI Concrete, Deduct	*-2.07*	
		For 4,000 PSI Concrete, Deduct	*-0.90*	
		For 5,000 PSI Concrete, Add	*0.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.49*	
		For <12' Wide Pass, Add	*13.62*	
		For 24' Or Greater Wide Pass, Deduct	*-15.04*	
		For Slipforming, Deduct	*-7.52*	
		For Up To 100, Add	*31.30*	
		For >100 To 250, Add	*17.38*	
		For >250 To 500, Add	*8.69*	
		For >1,000 To 2,000, Deduct	*-1.73*	
		For >2,000 To 5,000, Deduct	*-3.61*	
		For >5,000 To 10,000, Deduct	*-5.49*	
		For >10,000 To 20,000, Deduct	*-7.37*	
		For >20,000, Deduct	*-9.25*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	88.54	
		For 2,500 PSI Concrete, Deduct	*-4.99*	
		For 3,000 PSI Concrete, Deduct	*-3.25*	
		For 3,500 PSI Concrete, Deduct	*-2.60*	
		For 4,000 PSI Concrete, Deduct	*-1.13*	
		For 5,000 PSI Concrete, Add	*0.69*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.64*	
		For <12' Wide Pass, Add	*15.63*	
		For 24' Or Greater Wide Pass, Deduct	*-17.71*	
		For Slipforming, Deduct	*-8.85*	
		For Up To 100, Add	*35.77*	
		For >100 To 250, Add	*20.05*	
		For >250 To 500, Add	*10.03*	
		For >1,000 To 2,000, Deduct	*-2.17*	
		For >2,000 To 5,000, Deduct	*-4.38*	
		For >5,000 To 10,000, Deduct	*-6.60*	
		For >10,000 To 20,000, Deduct	*-8.81*	
		For >20,000, Deduct	*-11.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	94.69	
		For 2,500 PSI Concrete, Deduct	*-5.26*	
		For 3,000 PSI Concrete, Deduct	*-3.43*	
		For 3,500 PSI Concrete, Deduct	*-2.75*	
		For 4,000 PSI Concrete, Deduct	*-1.19*	
		For 5,000 PSI Concrete, Add	*0.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.95*	
		For <12' Wide Pass, Add	*16.81*	
		For 24' Or Greater Wide Pass, Deduct	*-18.94*	
		For Slipforming, Deduct	*-9.47*	
		For Up To 100, Add	*38.51*	
		For >100 To 250, Add	*21.54*	
		For >250 To 500, Add	*10.77*	
		For >1,000 To 2,000, Deduct	*-2.29*	
		For >2,000 To 5,000, Deduct	*-4.66*	
		For >5,000 To 10,000, Deduct	*-7.02*	
		For >10,000 To 20,000, Deduct	*-9.39*	
		For >20,000, Deduct	*-11.76*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	111.91	
		For 2,500 PSI Concrete, Deduct	*-6.64*	
		For 3,000 PSI Concrete, Deduct	*-4.33*	
		For 3,500 PSI Concrete, Deduct	*-3.46*	
		For 4,000 PSI Concrete, Deduct	*-1.50*	
		For 5,000 PSI Concrete, Add	*0.92*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.50*	
		For <12' Wide Pass, Add	*19.32*	
		For 24' Or Greater Wide Pass, Deduct	*-22.38*	
		For Slipforming, Deduct	*-11.19*	
		For Up To 100, Add	*44.06*	
		For >100 To 250, Add	*24.92*	
		For >250 To 500, Add	*12.46*	
		For >1,000 To 2,000, Deduct	*-2.89*	
		For >2,000 To 5,000, Deduct	*-5.68*	
		For >5,000 To 10,000, Deduct	*-8.48*	
		For >10,000 To 20,000, Deduct	*-11.28*	
		For >20,000, Deduct	*-14.08*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	128.37	
		For 2,500 PSI Concrete, Deduct	*-7.29*	
		For 3,000 PSI Concrete, Deduct	*-4.75*	
		For 3,500 PSI Concrete, Deduct	*-3.80*	
		For 4,000 PSI Concrete, Deduct	*-1.65*	
		For 5,000 PSI Concrete, Add	*1.01*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.24*	
		For <12' Wide Pass, Add	*22.59*	
		For 24' Or Greater Wide Pass, Deduct	*-25.67*	
		For Slipforming, Deduct	*-12.84*	
		For Up To 100, Add	*51.68*	
		For >100 To 250, Add	*29.01*	
		For >250 To 500, Add	*14.50*	
		For >1,000 To 2,000, Deduct	*-3.17*	
		For >2,000 To 5,000, Deduct	*-6.38*	
		For >5,000 To 10,000, Deduct	*-9.59*	
		For >10,000 To 20,000, Deduct	*-12.80*	
		For >20,000, Deduct	*-16.00*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	145.01	
		For 2,500 PSI Concrete, Deduct	*-8.42*	
		For 3,000 PSI Concrete, Deduct	*-5.49*	
		For 3,500 PSI Concrete, Deduct	*-4.39*	
		For 4,000 PSI Concrete, Deduct	*-1.90*	
		For 5,000 PSI Concrete, Add	*1.17*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.52*	
		For <12' Wide Pass, Add	*25.27*	
		For 24' Or Greater Wide Pass, Deduct	*-29.00*	
		For Slipforming, Deduct	*-14.50*	
		For Up To 100, Add	*57.72*	
		For >100 To 250, Add	*32.52*	
		For >250 To 500, Add	*16.26*	
		For >1,000 To 2,000, Deduct	*-3.66*	
		For >2,000 To 5,000, Deduct	*-7.29*	
		For >5,000 To 10,000, Deduct	*-10.91*	
		For >10,000 To 20,000, Deduct	*-14.54*	
		For >20,000, Deduct	*-18.16*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	161.81	
		For 2,500 PSI Concrete, Deduct	*-9.26*	
		For 3,000 PSI Concrete, Deduct	*-6.04*	
		For 3,500 PSI Concrete, Deduct	*-4.83*	
		For 4,000 PSI Concrete, Deduct	*-2.09*	
		For 5,000 PSI Concrete, Add	*1.29*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*10.47*	
		For <12' Wide Pass, Add	*28.37*	
		For 24' Or Greater Wide Pass, Deduct	*-32.36*	
		For Slipforming, Deduct	*-16.18*	
		For Up To 100, Add	*64.87*	
		For >100 To 250, Add	*36.46*	
		For >250 To 500, Add	*18.23*	
		For >1,000 To 2,000, Deduct	*-4.03*	
		For >2,000 To 5,000, Deduct	*-8.07*	
		For >5,000 To 10,000, Deduct	*-12.12*	
		For >10,000 To 20,000, Deduct	*-16.16*	
		For >20,000, Deduct	*-20.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	192.90	
		For 2,500 PSI Concrete, Deduct	*-10.97*	
		For 3,000 PSI Concrete, Deduct	*-7.15*	
		For 3,500 PSI Concrete, Deduct	*-5.72*	
		For 4,000 PSI Concrete, Deduct	*-2.48*	
		For 5,000 PSI Concrete, Add	*1.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.40*	
		For <12' Wide Pass, Add	*33.92*	
		For 24' Or Greater Wide Pass, Deduct	*-38.58*	
		For Slipforming, Deduct	*-19.29*	
		For Up To 100, Add	*77.60*	
		For >100 To 250, Add	*43.57*	
		For >250 To 500, Add	*21.78*	
		For >1,000 To 2,000, Deduct	*-4.77*	
		For >2,000 To 5,000, Deduct	*-9.59*	
		For >5,000 To 10,000, Deduct	*-14.41*	
		For >10,000 To 20,000, Deduct	*-19.24*	
		For >20,000, Deduct	*-24.06*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	246.54	
		For 2,500 PSI Concrete, Deduct	*-13.47*	
		For 3,000 PSI Concrete, Deduct	*-8.78*	
		For 3,500 PSI Concrete, Deduct	*-7.03*	
		For 4,000 PSI Concrete, Deduct	*-3.04*	
		For 5,000 PSI Concrete, Add	*1.87*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.22*	
		For <12' Wide Pass, Add	*44.07*	
		For 24' Or Greater Wide Pass, Deduct	*-49.31*	
		For Slipforming, Deduct	*-24.65*	
		For Up To 100, Add	*101.08*	
		For >100 To 250, Add	*56.40*	
		For >250 To 500, Add	*28.20*	
		For >1,000 To 2,000, Deduct	*-5.86*	
		For >2,000 To 5,000, Deduct	*-12.02*	
		For >5,000 To 10,000, Deduct	*-18.18*	
		For >10,000 To 20,000, Deduct	*-24.35*	
		For >20,000, Deduct	*-30.51*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	6.67

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	21.78
		For >5,000 To 30,000, Deduct	*-2.38*
		For >30,000 To 100,000, Deduct	*-4.41*
		For >100,000, Deduct	*-5.48*
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	27.30
		For >5,000 To 30,000, Deduct	*-2.90*
		For >30,000 To 100,000, Deduct	*-5.30*
		For >100,000, Deduct	*-6.58*

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*

32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	780.79
		For Custom Match Coloring, Add	*20.74*
		For 1 Part Mildew Resistant, Add	*30.25*
		For High-Modulus Non-Acid Curing, Add	*17.29*
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	870.30
		For Custom Match Coloring, Add	*31.12*
		For 1 Part Mildew Resistant, Add	*45.38*
		For High-Modulus Non-Acid Curing, Add	*25.93*
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	959.80
		For Custom Match Coloring, Add	*41.49*
		For 1 Part Mildew Resistant, Add	*60.50*
		For High-Modulus Non-Acid Curing, Add	*34.57*
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	981.41
		For Custom Match Coloring, Add	*46.67*
		For 1 Part Mildew Resistant, Add	*68.06*
		For High-Modulus Non-Acid Curing, Add	*38.89*
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,069.38
		For Custom Match Coloring, Add	*62.23*
		For 1 Part Mildew Resistant, Add	*90.75*
		For High-Modulus Non-Acid Curing, Add	*51.86*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,157.34	
		For Custom Match Coloring, Add	*77.79*	
		For 1 Part Mildew Resistant, Add	*113.44*	
		For High-Modulus Non-Acid Curing, Add	*64.82*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,268.46	
		For Custom Match Coloring, Add	*93.35*	
		For 1 Part Mildew Resistant, Add	*136.13*	
		For High-Modulus Non-Acid Curing, Add	*77.79*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,178.95	
		For Custom Match Coloring, Add	*82.97*	
		For 1 Part Mildew Resistant, Add	*121.00*	
		For High-Modulus Non-Acid Curing, Add	*69.14*	
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,357.97	
		For Custom Match Coloring, Add	*103.72*	
		For 1 Part Mildew Resistant, Add	*151.25*	
		For High-Modulus Non-Acid Curing, Add	*86.43*	
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,490.69	
		For Custom Match Coloring, Add	*124.46*	
		For 1 Part Mildew Resistant, Add	*181.50*	
		For High-Modulus Non-Acid Curing, Add	*103.72*	
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,623.41	
		For Custom Match Coloring, Add	*145.20*	
		For 1 Part Mildew Resistant, Add	*211.75*	
		For High-Modulus Non-Acid Curing, Add	*121.00*	
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,732.99	
		For Custom Match Coloring, Add	*165.95*	
		For 1 Part Mildew Resistant, Add	*242.00*	
		For High-Modulus Non-Acid Curing, Add	*138.29*	
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,842.56	
		For Custom Match Coloring, Add	*186.69*	
		For 1 Part Mildew Resistant, Add	*272.25*	
		For High-Modulus Non-Acid Curing, Add	*155.57*	
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,191.36	
		For Custom Match Coloring, Add	*259.29*	
		For 1 Part Mildew Resistant, Add	*378.13*	
		For High-Modulus Non-Acid Curing, Add	*216.08*	
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,540.15	
		For Custom Match Coloring, Add	*331.89*	
		For 1 Part Mildew Resistant, Add	*484.01*	
		For High-Modulus Non-Acid Curing, Add	*276.58*	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	15.98	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	CLF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	701.06	150.98
		For >25 To 50, Deduct	*-18.50*	
		For >50 To 100, Deduct	*-37.48*	
		For >100 To 175, Deduct	*-55.01*	
		For >175 To 250, Deduct	*-74.96*	
		For >250, Deduct	*-94.92*	
32 13 73 19-0003	CLF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	785.41	161.04
		For >25 To 50, Deduct	*-21.05*	
		For >50 To 100, Deduct	*-42.80*	
		For >100 To 175, Deduct	*-62.44*	
		For >175 To 250, Deduct	*-85.60*	
		For >250, Deduct	*-108.77*	
32 13 73 19-0004	CLF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	895.14	171.11
		For >25 To 50, Deduct	*-24.49*	
		For >50 To 100, Deduct	*-50.03*	
		For >100 To 175, Deduct	*-72.40*	
		For >175 To 250, Deduct	*-100.05*	
		For >250, Deduct	*-127.70*	
32 13 73 19-0005	CLF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,254.81	191.24
		For >25 To 50, Deduct	*-36.27*	
		For >50 To 100, Deduct	*-74.99*	
		For >100 To 175, Deduct	*-106.36*	
		For >175 To 250, Deduct	*-149.97*	
		For >250, Deduct	*-193.59*	
32 13 73 19-0006	CLF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,681.15	226.47
		For >25 To 50, Deduct	*-49.78*	
		For >50 To 100, Deduct	*-103.44*	
		For >100 To 175, Deduct	*-145.47*	
		For >175 To 250, Deduct	*-206.88*	
		For >250, Deduct	*-268.29*	
32 13 73 19-0007	CLF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,358.93	251.62
		For >25 To 50, Deduct	*-72.50*	
		For >50 To 100, Deduct	*-151.76*	
		For >100 To 175, Deduct	*-210.73*	
		For >175 To 250, Deduct	*-303.51*	
		For >250, Deduct	*-396.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 19-0008	CLF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	3,235.31	279.58
		For >25 To 50, Deduct	*-102.05*	
		For >50 To 100, Deduct	*-214.69*	
		For >100 To 175, Deduct	*-295.57*	
		For >175 To 250, Deduct	*-429.38*	
		For >250, Deduct	*-563.19*	

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.96	1.59
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000 To 4,000, Deduct	*-1.09*	
		For >4,000, Deduct	*-1.39*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	6.41	1.59
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.39*	
		For >2,000, Deduct	*-0.58*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	6.19	1.59
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 1,500, Deduct	*-0.91*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	7.20	1.59
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 1,500, Deduct	*-1.16*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	9.16	1.59
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 1,500, Deduct	*-1.65*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	10.66	1.59
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 1,500, Deduct	*-2.03*	

32 14 11 Bedding for Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding	1.25	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.17*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.17*	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding	1.41	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.18*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.17*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding	1.75	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.21*	
		For >1,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.20*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding	2.19	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.26*	
		For >1,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.25*	
32 14 11 00-0006	SF	1" Mortar Bedding	4.18	
		For Up To 100, Add	*1.91*	
		For >100 To 500, Add	*0.56*	
		For >1,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.54*	
32 14 11 00-0007	SF	2" Mortar Bedding	6.05	
		For Up To 100, Add	*2.66*	
		For >100 To 500, Add	*0.76*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.73*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	2.09	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.29*	
		For >1,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.28*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0001		Precast Concrete Paver Sidewalk *(32 14 13 16)* Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.	14.51	4.30
		For 2-3/4" Concrete Paver, Add	*1.31*	
		For 3-1/8" Concrete Paver, Add	*2.12*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.16*	
		For Up To 100, Add	*5.79*	
		For >100 To 500, Add	*1.59*	
		For >1,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.47*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.	13.72	3.93
		For 2-3/4" Concrete Paver, Add	*1.27*	
		For 3-1/8" Concrete Paver, Add	*2.06*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.08*	
		For Up To 100, Add	*5.39*	
		For >100 To 500, Add	*1.47*	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.35*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver Note: Includes 6" x 12", 12" x 12" and other similar size pavers.	13.01	3.12
		For 2-3/4" Concrete Paver, Add	*1.24*	
		For 3-1/8" Concrete Paver, Add	*2.00*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.01*	
		For Up To 100, Add	*5.04*	
		For >100 To 500, Add	*1.36*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.25*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	12.35	3.25
		For 2-3/4" Concrete Paver, Add	*1.20*	
		For 3-1/8" Concrete Paver, Add	*1.95*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For Up To 100, Add	*4.71*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.15*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	13.35	3.73
		For 2-3/4" Concrete Paver, Add	*1.25*	
		For 3-1/8" Concrete Paver, Add	*2.03*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.04*	
		For Up To 100, Add	*5.21*	
		For >100 To 500, Add	*1.42*	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.30*	
32 14 13 19		**Porous Precast Concrete Unit Paving** *(32 14 13)*		
32 14 13 19-0001		Turf Block *(32 14 13 19)* Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	14.35	3.73
		For Up To 100, Add	*5.46*	
		For >100 To 500, Add	*1.47*	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.33*	
32 14 16		**Brick Unit Paving** *(32 14)*		
32 14 16 00-0001		Brick Paver Sidewalk *(32 14 16)* Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	17.67	4.30
		For 1-3/8" Thick Paver, Deduct	*-3.59*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.14*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.32*	
		For Up To 100, Add	*6.58*	
		For >100 To 500, Add	*1.75*	
		For >1,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.57*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	25.89	4.92
		For 1-3/8" Thick Paver, Deduct	*-6.11*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.20*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.79*	
		For Up To 100, Add	*8.93*	
		For >100 To 500, Add	*2.28*	
		For >1,000 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.96*	
32 14 33		**Plastic Paving** *(32 14)*		
32 14 33 13		**Permeable Plastic Paving** *(32 14 33)*		
32 14 33 13-0001		Turf Block Plastic Paving *(32 14 33 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	21.11	3.73
		For Up To 100, Add	*7.15*	
		For >100 To 500, Add	*1.80*	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.53*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	17.92	3.58
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.25*	
		For 1/4" Thick Paver, Deduct	*-8.68*	
		For 1/2" Thick Paver, Deduct	*-6.03*	
		For Up To 100, Add	*6.27*	
		For >100 To 500, Add	*1.61*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.39*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	17.26	3.25
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.19*	
		For 1/4" Thick Paver, Deduct	*-8.52*	
		For 1/2" Thick Paver, Deduct	*-5.93*	
		For Up To 100, Add	*5.94*	
		For >100 To 500, Add	*1.51*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.30*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	16.14	2.67
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.08*	
		For 1/4" Thick Paver, Deduct	*-8.24*	
		For 1/2" Thick Paver, Deduct	*-5.76*	
		For Up To 100, Add	*5.38*	
		For >100 To 500, Add	*1.34*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.13*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	15.66	2.43
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.03*	
		For 1/4" Thick Paver, Deduct	*-8.12*	
		For 1/2" Thick Paver, Deduct	*-5.69*	
		For Up To 100, Add	*5.14*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-1.06*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	16.65	2.94
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.13*	
		For 1/4" Thick Paver, Deduct	*-8.37*	
		For 1/2" Thick Paver, Deduct	*-5.84*	
		For Up To 100, Add	*5.63*	
		For >100 To 500, Add	*1.42*	
		For >1,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-1.20*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	32.64	3.58
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.99*	
		For 2" Granite Paver, Add	*1.63*	
		For 3" Granite Paver, Add	*3.26*	
		For 4" Granite Paver, Add	*3.62*	
		For Up To 100, Add	*9.95*	
		For >100 To 500, Add	*2.35*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.84*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	31.98	3.25
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.92*	
		For 2" Granite Paver, Add	*1.60*	
		For 3" Granite Paver, Add	*3.20*	
		For 4" Granite Paver, Add	*3.52*	
		For Up To 100, Add	*9.62*	
		For >100 To 500, Add	*2.25*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	30.86	2.67
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.81*	
		For 2" Granite Paver, Add	*1.54*	
		For 3" Granite Paver, Add	*3.09*	
		For 4" Granite Paver, Add	*3.35*	
		For Up To 100, Add	*9.06*	
		For >100 To 500, Add	*2.08*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.57*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.	30.38	2.43
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.76*	
		For 2" Granite Paver, Add	*1.52*	
		For 3" Granite Paver, Add	*3.04*	
		For 4" Granite Paver, Add	*3.28*	
		For Up To 100, Add	*8.82*	
		For >100 To 500, Add	*2.01*	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-1.50*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	31.37	2.94
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.86*	
		For 2" Granite Paver, Add	*1.57*	
		For 3" Granite Paver, Add	*3.14*	
		For 4" Granite Paver, Add	*3.43*	
		For Up To 100, Add	*9.31*	
		For >100 To 500, Add	*2.16*	
		For >1,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-1.65*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	38.35	16.94
		For Up To 20, Add	*25.97*	
		For >20 To 50, Add	*14.47*	
		For >50 To 100, Add	*5.75*	
		For >500 To 1,000, Deduct	*-4.88*	
		For >1,000, Deduct	*-8.28*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.48*	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	41.63	22.58
		For Up To 20, Add	*28.22*	
		For >20 To 50, Add	*15.74*	
		For >50 To 100, Add	*6.24*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000, Deduct	*-9.03*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.74*	
32 16 13 13-0004	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	48.02	18.77
		For Up To 20, Add	*32.55*	
		For >20 To 50, Add	*18.15*	
		For >50 To 100, Add	*7.20*	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000, Deduct	*-10.41*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.16*	
32 16 13 13-0005	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	52.86	20.89
		For Up To 20, Add	*35.88*	
		For >20 To 50, Add	*20.02*	
		For >50 To 100, Add	*7.93*	
		For >500 To 1,000, Deduct	*-6.81*	
		For >1,000, Deduct	*-11.53*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.55*	
32 16 13 13-0006	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	57.68	22.58
		For Up To 20, Add	*39.12*	
		For >20 To 50, Add	*21.82*	
		For >50 To 100, Add	*8.65*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-12.54*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.83*	
32 16 13 13-0007	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	64.09	25.40
		For Up To 20, Add	*43.53*	
		For >20 To 50, Add	*24.31*	
		For >50 To 100, Add	*9.61*	
		For >500 To 1,000, Deduct	*-8.28*	
		For >1,000, Deduct	*-14.03*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0008	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	68.07	26.81
		For Up To 20, Add	*46.21*	
		For >20 To 50, Add	*25.78*	
		For >50 To 100, Add	*10.21*	
		For >500 To 1,000, Deduct	*-8.77*	
		For >1,000, Deduct	*-14.85*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.57*	
32 16 13 13-0009	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	74.63	29.64
		For Up To 20, Add	*50.71*	
		For >20 To 50, Add	*28.32*	
		For >50 To 100, Add	*11.19*	
		For >500 To 1,000, Deduct	*-9.66*	
		For >1,000, Deduct	*-16.35*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.08*	
32 16 13 13-0010	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	78.45	31.05
		For Up To 20, Add	*53.28*	
		For >20 To 50, Add	*29.74*	
		For >50 To 100, Add	*11.77*	
		For >500 To 1,000, Deduct	*-10.13*	
		For >1,000, Deduct	*-17.16*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.31*	
32 16 13 13-0011	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	85.17	33.87
		For Up To 20, Add	*57.88*	
		For >20 To 50, Add	*32.33*	
		For >50 To 100, Add	*12.78*	
		For >500 To 1,000, Deduct	*-11.03*	
		For >1,000, Deduct	*-18.68*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.82*	
32 16 13 13-0012	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	88.84	35.28
		For Up To 20, Add	*60.36*	
		For >20 To 50, Add	*33.71*	
		For >50 To 100, Add	*13.33*	
		For >500 To 1,000, Deduct	*-11.50*	
		For >1,000, Deduct	*-19.47*	
		For Mountable Or Rolled Curb And Gutter, Add	*6.05*	
32 16 13 13-0013	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	98.52	39.51
		For Up To 20, Add	*67.02*	
		For >20 To 50, Add	*37.46*	
		For >50 To 100, Add	*14.78*	
		For >500 To 1,000, Deduct	*-12.83*	
		For >1,000, Deduct	*-21.71*	
		For Mountable Or Rolled Curb And Gutter, Add	*6.83*	
32 16 13 13-0014	LF	Type M100G Concrete Curb And Gutter With Anchors	82.53	26.81
		For Up To 50, Add	*15.29*	
		For Up To 20, Add	*55.10*	
		For >20 To 50, Add	*30.34*	
		For >50 To 100, Add	*12.38*	
		For >500 To 1,000, Deduct	*-9.71*	
		For >1,000, Deduct	*-16.63*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.11*	
32 16 13 13-0015	LF	Type VF150G Concrete Curb And Gutter With Anchors	82.66	26.81
		For Up To 50, Add	*15.30*	
		For Up To 20, Add	*55.18*	
		For >20 To 50, Add	*30.38*	
		For >50 To 100, Add	*12.40*	
		For >500 To 1,000, Deduct	*-9.72*	
		For >1,000, Deduct	*-16.64*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.11*	

32 16 13 13-0016 Curb Anchors *(32 16 13 13)*

32 16 13 13-0017	EA	Curb Anchor For New Construction Placed During New Construction	38.38	
32 16 13 13-0018	EA	Curb Anchor For Existing Pavement Placed In Existing Concrete	104.54	
		Note: Includes drilling, grouting and corrosion resistant epoxy coated bar.		

32 16 13 13-0019 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0020	LF	6" x 12" Cast In Place Concrete Curb	28.21	13.67
		For Mountable Curb, Add	*1.84*	
		For Up To 20, Add	*16.58*	
		For >20 To 50, Add	*9.38*	
		For >50 To 100, Add	*3.60*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000, Deduct	*-6.10*	
32 16 13 13-0021	LF	6" x 12" Cast In Place Concrete Curb - Radius	32.05	15.72
		For Mountable Curb, Add	*2.16*	
		For Up To 20, Add	*19.06*	
		For >20 To 50, Add	*10.79*	
		For >50 To 100, Add	*4.13*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-7.00*	
32 16 13 13-0022	LF	6" x 14" Cast In Place Concrete Curb	30.77	13.67
		For Mountable Curb, Add	*2.02*	
		For Up To 20, Add	*18.12*	
		For >20 To 50, Add	*10.26*	
		For >50 To 100, Add	*3.93*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000, Deduct	*-6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0023	LF	6" x 14" Cast In Place Concrete Curb - Radius	35.00	15.72
		For Mountable Curb, Add	*2.37*	
		For Up To 20, Add	*20.85*	
		For >20 To 50, Add	*11.81*	
		For >50 To 100, Add	*4.52*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-7.65*	
32 16 13 13-0024	LF	6" x 16" Cast In Place Concrete Curb	33.62	13.67
		For Mountable Curb, Add	*2.18*	
		For Up To 20, Add	*19.71*	
		For >20 To 50, Add	*11.16*	
		For >50 To 100, Add	*4.28*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000, Deduct	*-7.26*	
32 16 13 13-0025	LF	6" x 16" Cast In Place Concrete Curb - Radius	38.11	20.51
		For Mountable Curb, Add	*2.57*	
		For Up To 20, Add	*22.66*	
		For >20 To 50, Add	*12.84*	
		For >50 To 100, Add	*4.91*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-8.32*	
32 16 13 13-0026	LF	6" x 18" Cast In Place Concrete Curb	35.85	13.67
		For Mountable Curb, Add	*2.31*	
		For Up To 20, Add	*20.99*	
		For >20 To 50, Add	*11.87*	
		For >50 To 100, Add	*4.56*	
		For >500 To 1,000, Deduct	*-4.56*	
		For >1,000, Deduct	*-7.73*	
32 16 13 13-0027	LF	6" x 18" Cast In Place Concrete Curb - Radius	40.27	15.72
		For Mountable Curb, Add	*2.66*	
		For Up To 20, Add	*23.77*	
		For >20 To 50, Add	*13.46*	
		For >50 To 100, Add	*5.16*	
		For >500 To 1,000, Deduct	*-5.16*	
		For >1,000, Deduct	*-8.74*	
32 16 13 13-0028	LF	6" x 24" Cast In Place Concrete Curb	40.79	15.04
		For Mountable Curb, Add	*2.47*	
		For Up To 20, Add	*23.36*	
		For >20 To 50, Add	*13.20*	
		For >50 To 100, Add	*5.08*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000, Deduct	*-8.64*	
32 16 13 13-0029	LF	6" x 24" Cast In Place Concrete Curb - Radius	45.39	17.09
		For Mountable Curb, Add	*2.80*	
		For Up To 20, Add	*26.17*	
		For >20 To 50, Add	*14.79*	
		For >50 To 100, Add	*5.69*	
		For >500 To 1,000, Deduct	*-5.69*	
		For >1,000, Deduct	*-9.67*	
32 16 13 13-0030	LF	12" x 24" Cast In Place Concrete Curb	51.52	17.09
		For Mountable Curb, Add	*2.46*	
		For Up To 20, Add	*27.39*	
		For >20 To 50, Add	*15.41*	
		For >50 To 100, Add	*5.99*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000, Deduct	*-10.28*	
32 16 13 13-0031	LF	12" x 24" Cast In Place Concrete Curb - Radius	57.14	19.14
		For Mountable Curb, Add	*2.79*	
		For Up To 20, Add	*30.57*	
		For >20 To 50, Add	*17.20*	
		For >50 To 100, Add	*6.69*	
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000, Deduct	*-11.46*	
32 16 13 13-0032	EA	Additional Finish For Handicap Drop Section In Curb	102.55	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Minimum Set-up Charge For Machine Formed Concrete Curb (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	1,978.77	
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	14.92	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	20.76	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	19.63	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	26.65	

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	18.19	7.02
		For Curved Section, Add	*4.44*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.17	7.97
		For Curved Section, Add	*5.01*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	26.30	8.93
		For Curved Section, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.76	10.04
		For Curved Section, Add	*6.92*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	38.23	11.00
		For Curved Section, Add	*7.94*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	49.80	14.03
		For Curved Section, Add	*10.22*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	58.43	18.17
		For Curved Section, Add	*12.63*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	172.97	

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	53.92	14.10
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	63.93	16.20
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	56.86	14.10
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	67.82	16.20
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	58.20	14.10
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	69.37	16.20
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	61.54	14.10
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	73.60	16.20

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	16.42	7.17
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	18.41	7.97
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	20.29	8.77

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Granite Curbs *(32 16 13 43)*

32 16 13 43-0002 Split Face Granite Curbs *(32 16 13 43-0001)*

32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	38.52	12.19
		For Up To 20, Add	*15.86*	
		For >20 To 50, Add	*8.75*	
		For >50 To 100, Add	*3.56*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000, Deduct	*-6.30*	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	45.54	13.33
		For Up To 20, Add	*17.97*	
		For >20 To 50, Add	*9.87*	
		For >50 To 100, Add	*4.05*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-7.21*	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	50.27	14.32
		For Up To 20, Add	*19.58*	
		For >20 To 50, Add	*10.74*	
		For >50 To 100, Add	*4.42*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-7.88*	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	59.54	15.46
		For Up To 20, Add	*22.14*	
		For >20 To 50, Add	*12.10*	
		For >50 To 100, Add	*5.02*	
		For >500 To 1,000, Deduct	*-5.02*	
		For >1,000, Deduct	*-9.02*	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	47.52	13.33
		For Up To 20, Add	*18.33*	
		For >20 To 50, Add	*10.05*	
		For >50 To 100, Add	*4.14*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-7.40*	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	54.53	14.32
		For Up To 20, Add	*20.43*	
		For >20 To 50, Add	*11.17*	
		For >50 To 100, Add	*4.63*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-8.31*	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	59.34	15.46
		For Up To 20, Add	*22.10*	
		For >20 To 50, Add	*12.08*	
		For >50 To 100, Add	*5.01*	
		For >500 To 1,000, Deduct	*-5.01*	
		For >1,000, Deduct	*-9.00*	
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	68.60	16.45
		For Up To 20, Add	*24.66*	
		For >20 To 50, Add	*13.42*	
		For >50 To 100, Add	*5.62*	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000, Deduct	*-10.14*	

32 16 13 43-0011 Sawn Face Granite Curbs *(32 16 13 43-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	38.52	12.19
		For Up To 20, Add	*15.86*	
		For >20 To 50, Add	*8.75*	
		For >50 To 100, Add	*3.56*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000, Deduct	*-6.30*	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	45.54	13.33
		For Up To 20, Add	*17.97*	
		For >20 To 50, Add	*9.87*	
		For >50 To 100, Add	*4.05*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-7.21*	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	50.36	14.32
		For Up To 20, Add	*19.64*	
		For >20 To 50, Add	*10.78*	
		For >50 To 100, Add	*4.43*	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000, Deduct	*-7.91*	
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	59.63	15.46
		For Up To 20, Add	*22.21*	
		For >20 To 50, Add	*12.13*	
		For >50 To 100, Add	*5.04*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000, Deduct	*-9.05*	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	53.78	13.33
		For Up To 20, Add	*19.62*	
		For >20 To 50, Add	*10.69*	
		For >50 To 100, Add	*4.46*	
		For >500 To 1,000, Deduct	*-4.46*	
		For >1,000, Deduct	*-8.04*	
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	64.28	14.32
		For Up To 20, Add	*22.43*	
		For >20 To 50, Add	*12.17*	
		For >50 To 100, Add	*5.13*	
		For >500 To 1,000, Deduct	*-5.13*	
		For >1,000, Deduct	*-9.30*	
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	71.22	15.46
		For Up To 20, Add	*24.53*	
		For >20 To 50, Add	*13.29*	
		For >50 To 100, Add	*5.62*	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000, Deduct	*-10.21*	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	85.38	16.45
		For Up To 20, Add	*28.07*	
		For >20 To 50, Add	*15.13*	
		For >50 To 100, Add	*6.47*	
		For >500 To 1,000, Deduct	*-6.47*	
		For >1,000, Deduct	*-11.84*	

32 16 13 43-0020 Granite Base And Curbs *(32 16 13 43-0001)*

32 16 13 43-0021	LF	4" High Granite Base	43.54	15.84
		For Up To 20, Add	*19.24*	
		For >20 To 50, Add	*10.67*	
		For >50 To 100, Add	*4.28*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000, Deduct	*-7.51*	
32 16 13 43-0022	LF	6" High Granite Base	51.13	20.76
		For Up To 20, Add	*24.05*	
		For >20 To 50, Add	*13.41*	
		For >50 To 100, Add	*5.32*	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000, Deduct	*-9.26*	

32 16 13 43-0023 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0024 LF Removal And Resetting Of Stone Or Precast Curbing 46.79
Note: Includes storage and cleaning.

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0069 for buggies, 03 31 13 00-0078 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	12.12	
		For Up To 100, Add	*5.34*	
		For >100 To 500, Add	*1.53*	
		For >2,000 To 5,000, Deduct	*-0.69*	
		For >5,000 To 10,000, Deduct	*-1.53*	
		For >10,000 To 20,000, Deduct	*-2.07*	
		For >20,000, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.23*	
		For 4,500 PSI Concrete, Add	*0.27*	
		For Welded Wire Reinforcement, Add	*1.28*	
		For 4000 PSI Concrete, Add	*0.23*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	13.10	
		For Up To 100, Add	*5.67*	
		For >100 To 500, Add	*1.61*	
		For >2,000 To 5,000, Deduct	*-0.72*	
		For >5,000 To 10,000, Deduct	*-1.61*	
		For >10,000 To 20,000, Deduct	*-2.18*	
		For >20,000, Deduct	*-2.75*	
		For 3,500 PSI Concrete, Add	*0.16*	
		For 4,000 PSI Concrete, Add	*0.28*	
		For 4,500 PSI Concrete, Add	*0.33*	
		For Welded Wire Reinforcement, Add	*1.28*	
		For 4000 PSI Concrete, Add	*0.28*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	14.09	
		For Up To 100, Add	*6.01*	
		For >100 To 500, Add	*1.70*	
		For >2,000 To 5,000, Deduct	*-0.74*	
		For >5,000 To 10,000, Deduct	*-1.70*	
		For >10,000 To 20,000, Deduct	*-2.30*	
		For >20,000, Deduct	*-2.90*	
		For 3,500 PSI Concrete, Add	*0.19*	
		For 4,000 PSI Concrete, Add	*0.33*	
		For 4,500 PSI Concrete, Add	*0.39*	
		For Welded Wire Reinforcement, Add	*1.28*	
		For 4000 PSI Concrete, Add	*0.33*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	16.30	
		For Up To 100, Add	*6.89*	
		For >100 To 500, Add	*1.94*	
		For >2,000 To 5,000, Deduct	*-0.84*	
		For >5,000 To 10,000, Deduct	*-1.94*	
		For >10,000 To 20,000, Deduct	*-2.63*	
		For >20,000, Deduct	*-3.32*	
		For 3,500 PSI Concrete, Add	*0.23*	
		For 4,000 PSI Concrete, Add	*0.40*	
		For 4,500 PSI Concrete, Add	*0.47*	
		For Welded Wire Reinforcement, Add	*1.28*	
		For 4000 PSI Concrete, Add	*0.40*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	17.15	
		For Up To 100, Add	*7.15*	
		For >100 To 500, Add	*2.00*	
		For >2,000 To 5,000, Deduct	*-0.86*	
		For >5,000 To 10,000, Deduct	*-2.00*	
		For >10,000 To 20,000, Deduct	*-2.72*	
		For >20,000, Deduct	*-3.43*	
		For 3,500 PSI Concrete, Add	*0.26*	
		For 4,000 PSI Concrete, Add	*0.46*	
		For 4,500 PSI Concrete, Add	*0.53*	
		For Welded Wire Reinforcement, Add	*1.28*	
		For 4000 PSI Concrete, Add	*0.46*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	3.34	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	200.22	

32 16 23 00-0009 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1" Bituminous Sidewalk	10.93	
		For Up To 100, Add	*4.41*	
		For >100 To 500, Add	*1.22*	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-1.22*	
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	13.57	
		For Up To 100, Add	*5.40*	
		For >100 To 500, Add	*1.48*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.48*	
32 16 23 00-0012	SY	2" Bituminous Sidewalk	18.38	
		For Up To 100, Add	*7.09*	
		For >100 To 500, Add	*1.92*	
		For >1,000 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.92*	
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	22.95	
		For Up To 100, Add	*8.83*	
		For >100 To 500, Add	*2.38*	
		For >1,000 To 5,000, Deduct	*-1.24*	
		For >5,000, Deduct	*-2.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0014	SY	3" Bituminous Sidewalk	26.10	
		For Up To 100, Add	*9.88*	
		For >100 To 500, Add	*2.65*	
		For >1,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-2.65*	
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	29.87	
		For Up To 100, Add	*11.15*	
		For >100 To 500, Add	*2.97*	
		For >1,000 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.97*	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	203.42	10.51
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	229.77	10.51

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	85.89	31.65
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	97.57	31.65
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	101.26	31.65
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	105.53	31.65
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	99.19	31.65
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	122.70	31.65
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	50.63	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	32.91	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	37.75	10.51
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	42.94	10.51
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	45.02	10.51
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	48.14	10.51

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Speed Bumps *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	36.78	2.39
32 17 16 00-0003	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	33.30	1.59
32 17 16 00-0004	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	159.50	1.59

32 17 23 Pavement Markings *(32 17)*

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)*

Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.

32 17 23 13-0002 Painted Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line, Deduct	*-0.07*	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.56	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.12*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.75	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line, Deduct	*-0.18*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.06*	
		For Double Broken Line, Deduct	*-0.12*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.75	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping	7.01	
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0010	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	5.07	
		For <10, Add	*0.69*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 200, Deduct	*-0.46*	
		For >200, Deduct	*-0.93*	
32 17 23 13-0011	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	8.60	
		For <10, Add	*1.05*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 200, Deduct	*-0.70*	
		For >200, Deduct	*-1.40*	
32 17 23 13-0012	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	14.43	
		For <10, Add	*1.74*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 200, Deduct	*-1.16*	
		For >200, Deduct	*-2.32*	
32 17 23 13-0013	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	28.20	
		For <10, Add	*3.49*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-4.65*	
32 17 23 13-0014	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	32.50	
		For <10, Add	*3.91*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.21*	
32 17 23 13-0015	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	58.13	
		For <10, Add	*6.96*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.64*	
		For >200, Deduct	*-9.28*	
32 17 23 13-0016	EA	96" High, Letter/Number, Painted Reflective Pavement Marking	77.75	
		For <10, Add	*9.34*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 200, Deduct	*-6.23*	
		For >200, Deduct	*-12.46*	
32 17 23 13-0017	EA	120" High, Letter/Number, Painted Reflective Pavement Marking	111.69	
		For <10, Add	*11.58*	
		For >50 To 100, Deduct	*-5.79*	
		For >100 To 200, Deduct	*-7.72*	
		For >200, Deduct	*-15.44*	
32 17 23 13-0018	EA	Bike Lane Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	80.76	
32 17 23 13-0019	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	290.93	
32 17 23 13-0020	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	93.67	
32 17 23 13-0021	EA	Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	101.24	
32 17 23 13-0022	EA	Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	115.71	
32 17 23 13-0023	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	164.52	
32 17 23 13-0024	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	167.86	
32 17 23 13-0025	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	219.09	
32 17 23 13-0026	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	95.52	
32 17 23 13-0027	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	113.42	
32 17 23 13-0028	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	152.46	
32 17 23 13-0029	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	156.91	
32 17 23 13-0030	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	204.81	
32 17 23 13-0031	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	183.53	
32 17 23 13-0032	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	229.11	

32 17 23 13-0033 Painted Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0034	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.58	
		For 20 Mil Thickness, Add	*0.12*	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line, Deduct	*-0.25*	
32 17 23 13-0035	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.80	
		For 20 Mil Thickness, Add	*0.18*	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
		For Broken Line, Deduct	*-0.37*	
32 17 23 13-0036	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.98	
		For 20 Mil Thickness, Add	*0.21*	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For Broken Line, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0037	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.47	
		For 20 Mil Thickness, Add	*0.35*	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
		For Broken Line, Deduct	*-0.72*	
32 17 23 13-0038	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.89	
		For 20 Mil Thickness, Add	*0.23*	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.24*	
		For Double Broken Line, Deduct	*-0.48*	
32 17 23 13-0039	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.28	
		For 20 Mil Thickness, Add	*0.34*	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.19*	
		For Broken Line On One Side, Deduct	*-0.36*	
		For Double Broken Line, Deduct	*-0.73*	
32 17 23 13-0040	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	8.61	
		For 20 Mil Thickness, Add	*0.95*	
32 17 23 13-0041	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	5.36	
		For 20 Mil Thickness, Add	*0.47*	
		For <10, Add	*0.69*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 200, Deduct	*-0.46*	
		For >200, Deduct	*-0.93*	
32 17 23 13-0042	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	9.64	
		For 20 Mil Thickness, Add	*1.23*	
		For <10, Add	*1.05*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 200, Deduct	*-0.70*	
		For >200, Deduct	*-1.40*	
32 17 23 13-0043	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	16.26	
		For 20 Mil Thickness, Add	*2.13*	
		For <10, Add	*1.74*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 200, Deduct	*-1.16*	
		For >200, Deduct	*-2.32*	
32 17 23 13-0044	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	31.41	
		For 20 Mil Thickness, Add	*3.88*	
		For <10, Add	*3.49*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-4.65*	
32 17 23 13-0045	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	36.68	
		For 20 Mil Thickness, Add	*4.84*	
		For <10, Add	*3.91*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.21*	
32 17 23 13-0046	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	65.76	
		For 20 Mil Thickness, Add	*8.78*	
		For <10, Add	*6.96*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.64*	
		For >200, Deduct	*-9.28*	
32 17 23 13-0047	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	87.79	
		For 20 Mil Thickness, Add	*11.61*	
		For <10, Add	*9.34*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 200, Deduct	*-6.23*	
		For >200, Deduct	*-12.46*	
32 17 23 13-0048	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	134.10	
		For 20 Mil Thickness, Add	*22.83*	
		For <10, Add	*11.58*	
		For >50 To 100, Deduct	*-5.79*	
		For >100 To 200, Deduct	*-7.72*	
		For >200, Deduct	*-15.44*	
32 17 23 13-0049	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	103.88	
		For 20 Mil Thickness, Add	*21.84*	
32 17 23 13-0050	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	406.57	
		For 20 Mil Thickness, Add	*103.54*	
32 17 23 13-0051	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	119.69	
		For 20 Mil Thickness, Add	*24.71*	
32 17 23 13-0052	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	126.54	
		For 20 Mil Thickness, Add	*24.53*	
32 17 23 13-0053	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	150.41	
		For 20 Mil Thickness, Add	*32.48*	
32 17 23 13-0054	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	228.13	
		For 20 Mil Thickness, Add	*57.17*	
32 17 23 13-0055	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	233.64	
		For 20 Mil Thickness, Add	*59.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0056	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	316.67	
		For 20 Mil Thickness, Add	*86.04*	
32 17 23 13-0057	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	109.92	
		For 20 Mil Thickness, Add	*15.86*	
32 17 23 13-0058	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	139.44	
		For 20 Mil Thickness, Add	*25.70*	
32 17 23 13-0059	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	172.92	
		For 20 Mil Thickness, Add	*35.25*	
32 17 23 13-0060	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	176.63	
		For 20 Mil Thickness, Add	*36.49*	
32 17 23 13-0061	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	284.32	
		For 20 Mil Thickness, Add	*71.43*	
32 17 23 13-0062	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	252.66	
		For 20 Mil Thickness, Add	*63.43*	
32 17 23 13-0063	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	235.11	
		For 20 Mil Thickness, Add	*58.86*	

32 17 23 13-0064 Painted Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0065 Painted Pavement Marking For Parking Areas *(32 17 23 13-0064)*

Note: 15 mil thickness.

32 17 23 13-0066	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.29	
32 17 23 13-0067	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.40	
32 17 23 13-0068	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.49	
32 17 23 13-0069	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.67	
32 17 23 13-0070	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.97	
32 17 23 13-0071	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	4.94	
		For Up To 10, Add	*0.68*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 200, Deduct	*-0.45*	
		For >200, Deduct	*-0.90*	
32 17 23 13-0072	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	8.32	
		For Up To 10, Add	*1.02*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 200, Deduct	*-0.68*	
		For >200, Deduct	*-1.35*	
32 17 23 13-0073	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	14.01	
		For Up To 10, Add	*1.69*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 200, Deduct	*-1.13*	
		For >200, Deduct	*-2.26*	
32 17 23 13-0074	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	26.22	
		For Up To 10, Add	*3.22*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 200, Deduct	*-2.14*	
		For >200, Deduct	*-4.29*	
32 17 23 13-0075	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	34.83	
		For Up To 10, Add	*4.40*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 200, Deduct	*-2.93*	
		For >200, Deduct	*-5.87*	
32 17 23 13-0076	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	42.32	
		For Up To 10, Add	*5.42*	
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.61*	
		For >200, Deduct	*-7.22*	
32 17 23 13-0077	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	56.48	
		For Up To 10, Add	*6.77*	
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-9.03*	
32 17 23 13-0078	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	99.89	
32 17 23 13-0079	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	113.86	
32 17 23 13-0080	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	161.13	
32 17 23 13-0081	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	164.35	
32 17 23 13-0082	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	213.88	
32 17 23 13-0083	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	41.10	
		For Blue Background With White Symbol, Add	*29.99*	
		For Blue Background With White Symbol And Border, Add	*37.49*	
32 17 23 13-0084	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	59.72	
		For Blue Background With White Symbol, Add	*60.88*	
		For Blue Background With White Symbol And Border, Add	*76.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0085		**Painted Curbs** *(32 17 23 13)* Note: All colors.		
32 17 23 13-0086	LF	Reflective Painted Curb	3.79	
32 17 23 13-0087	LF	Reflective Painted Curb And Gutter	7.19	
32 17 23 13-0088	LF	Painted Curb	3.08	
32 17 23 13-0089	LF	Painted Curb And Gutter	6.56	
32 17 23 13-0090		**Markings For Outdoor Play Areas, Courts** *(32 17 23 13)*		
32 17 23 13-0091	LF	2" Wide Marking For Outdoor Play Areas	1.41	
32 17 23 13-0092	LF	3" Wide Marking For Outdoor Play Areas	1.59	
32 17 23 13-0093	LF	4" Wide Marking For Outdoor Play Areas	1.79	
32 17 23 13-0094	LF	6" Wide Marking For Outdoor Play Areas	2.09	
32 17 23 13-0095	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.)	381.71	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001		**Raised Pavement Markers (RPMs)** *(32 17 23 23)* Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM)	9.00	3.83
		For >100, Deduct	*-0.90*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM)	9.52	3.83
		For >100, Deduct	*-0.95*	
32 17 23 23-0004	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	8.32	3.83
		For >100, Deduct	*-0.83*	
32 17 23 23-0005		**Snowplowable Pavement Markers** *(32 17 23 23)*		
32 17 23 23-0006	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail	96.48	43.40
32 17 23 23-0007	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	96.93	43.40
32 17 23 23-0008	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	28.34	
32 17 23 23-0009	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	36.02	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001		**Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads** *(32 17 23 33)* Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		**Thermoplastic Reflective Pavement Marking** *(32 17 23 33-0001)* Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.50	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.23*	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
		For Broken Line, Deduct	*-0.87*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.14	
		For Up To 5,000 LF, Add	*0.43*	
		For >25,000 LF, Deduct	*-0.32*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
		For Broken Line, Deduct	*-1.30*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.83	
		For Up To 5,000 LF, Add	*0.57*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line, Deduct	*-1.73*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.15	
		For Up To 5,000 LF, Add	*0.83*	
		For >25,000 LF, Deduct	*-0.62*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line, Deduct	*-2.60*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.82	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line On One Side, Deduct	*-0.87*	
		For Double Broken Line, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.15	
		For Up To 5,000 LF, Add	*0.83*	
		For >25,000 LF, Deduct	*-0.62*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line On One Side, Deduct	*-1.30*	
		For Double Broken Line, Deduct	*-2.60*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	10.22	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.79	
		For Up To 10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.51*	
		For >200, Deduct	*-1.01*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.92	
		For Up To 10, Add	*1.15*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 200, Deduct	*-0.77*	
		For >200, Deduct	*-1.54*	
		For 60 mils Thick, Deduct	*-1.09*	
		For 125 mils Thick, Add	*1.40*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	23.67	
		For Up To 10, Add	*1.91*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 200, Deduct	*-1.28*	
		For >200, Deduct	*-2.55*	
		For 60 mils Thick, Deduct	*-1.91*	
		For 125 mils Thick, Add	*2.46*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	44.81	
		For Up To 10, Add	*3.84*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 200, Deduct	*-2.56*	
		For >200, Deduct	*-5.12*	
		For 60 mils Thick, Deduct	*-3.36*	
		For 125 mils Thick, Add	*4.32*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	53.61	
		For Up To 10, Add	*4.30*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 200, Deduct	*-2.87*	
		For >200, Deduct	*-5.73*	
		For 60 mils Thick, Deduct	*-4.37*	
		For 125 mils Thick, Add	*5.61*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	96.59	
		For Up To 10, Add	*7.65*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 200, Deduct	*-5.10*	
		For >200, Deduct	*-10.20*	
		For 60 mils Thick, Deduct	*-7.98*	
		For 125 mils Thick, Add	*10.26*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	128.47	
		For Up To 10, Add	*10.27*	
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 200, Deduct	*-6.85*	
		For >200, Deduct	*-13.70*	
		For 60 mils Thick, Deduct	*-10.50*	
		For 125 mils Thick, Add	*13.50*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	218.73	
		For Up To 10, Add	*12.73*	
		For >50 To 100, Deduct	*-6.36*	
		For >100 To 200, Deduct	*-8.49*	
		For >200, Deduct	*-16.97*	
		For 60 mils Thick, Deduct	*-23.43*	
		For 125 mils Thick, Add	*30.12*	
32 17 23 33-0018	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	181.95	
		For 60 mils Thick, Deduct	*-23.94*	
		For 125 mils Thick, Add	*30.78*	
32 17 23 33-0019	EA	Railroad Crossing Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	796.89	
		For 60 mils Thick, Deduct	*-119.71*	
		For 125 mils Thick, Add	*153.91*	
32 17 23 33-0020	EA	Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	207.51	
		For 60 mils Thick, Deduct	*-26.93*	
		For 125 mils Thick, Add	*34.63*	
32 17 23 33-0021	EA	Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	211.92	
		For 60 mils Thick, Deduct	*-26.19*	
		For 125 mils Thick, Add	*33.67*	
32 17 23 33-0022	EA	Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	267.50	
		For 60 mils Thick, Deduct	*-35.91*	
		For 125 mils Thick, Add	*46.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0023	EA	Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	442.80	
		For 60 mils Thick, Deduct	*-65.84*	
		For 125 mils Thick, Add	*84.65*	
32 17 23 33-0024	EA	Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	455.63	
		For 60 mils Thick, Deduct	*-68.08*	
		For 125 mils Thick, Add	*87.54*	
32 17 23 33-0025	EA	Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	646.00	
		For 60 mils Thick, Deduct	*-101.00*	
		For 125 mils Thick, Add	*129.86*	
32 17 23 33-0026	EA	Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 1-2/3' width x 12' height.	158.51	
		For 60 mils Thick, Deduct	*-14.90*	
		For 125 mils Thick, Add	*19.16*	
32 17 23 33-0027	EA	Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	227.26	
		For 60 mils Thick, Deduct	*-26.93*	
		For 125 mils Thick, Add	*34.63*	
32 17 23 33-0028	EA	Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	361.17	
		For 60 mils Thick, Deduct	*-49.38*	
		For 125 mils Thick, Add	*63.49*	
32 17 23 33-0029	EA	Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	378.27	
		For 60 mils Thick, Deduct	*-52.37*	
		For 125 mils Thick, Add	*67.34*	
32 17 23 33-0030	EA	Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 20' height.	552.66	
		For 60 mils Thick, Deduct	*-82.30*	
		For 125 mils Thick, Add	*105.81*	
32 17 23 33-0031	EA	Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	496.60	
		For 60 mils Thick, Deduct	*-74.07*	
		For 125 mils Thick, Add	*95.23*	
32 17 23 33-0032	EA	Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	684.48	
		For 60 mils Thick, Deduct	*-107.74*	
		For 125 mils Thick, Add	*138.52*	

32 17 23 33-0033 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0034	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.54	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
32 17 23 33-0035	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.44	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0036	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.48	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
32 17 23 33-0037	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	7.86	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0038	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	14.07	
		For 60 mils Thick, Deduct	*-1.21*	
		For 125 mils Thick, Add	*1.56*	

32 17 23 33-0039 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0040	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.19	
		For Up To 5,000 LF, Add	*0.64*	
		For >25,000 LF, Deduct	*-0.48*	
32 17 23 33-0041	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.71	
		For Up To 5,000 LF, Add	*0.94*	
		For >25,000 LF, Deduct	*-0.71*	
32 17 23 33-0042	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.25	
		For Up To 5,000 LF, Add	*1.25*	
		For >25,000 LF, Deduct	*-0.94*	
32 17 23 33-0043	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	9.28	
		For Up To 5,000 LF, Add	*1.86*	
		For >25,000 LF, Deduct	*-1.39*	
32 17 23 33-0044	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	26.50	
32 17 23 33-0045	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	39.27	
		For <10, Add	*1.39*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 200, Deduct	*-0.93*	
		For >200, Deduct	*-1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0046	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	68.86	
		For <10, Add	*1.76*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 200, Deduct	*-1.17*	
		For >200, Deduct	*-2.35*	
32 17 23 33-0047	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	118.63	
		For <10, Add	*3.49*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-4.65*	
32 17 23 33-0048	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	172.57	
		For <10, Add	*6.97*	
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 200, Deduct	*-4.65*	
		For >200, Deduct	*-9.30*	
32 17 23 33-0049	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	202.04	
		For <10, Add	*7.82*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 200, Deduct	*-5.21*	
		For >200, Deduct	*-10.43*	
32 17 23 33-0050	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	261.25	
		For <10, Add	*13.91*	
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 200, Deduct	*-9.28*	
		For >200, Deduct	*-18.55*	
32 17 23 33-0051	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	333.74	
		For <10, Add	*18.69*	
		For >50 To 100, Deduct	*-9.34*	
		For >100 To 200, Deduct	*-12.46*	
		For >200, Deduct	*-24.92*	
32 17 23 33-0052	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	418.14	
		For <10, Add	*23.16*	
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 200, Deduct	*-15.44*	
		For >200, Deduct	*-30.87*	
32 17 23 33-0053	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	27.41	
32 17 23 33-0054	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	29.09	

32 17 23 33-0055 Preformed, Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0056	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	414.74
32 17 23 33-0057	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,099.61
32 17 23 33-0058	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	221.01
32 17 23 33-0059	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	187.39
32 17 23 33-0060	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	361.55
32 17 23 33-0061	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	216.68
32 17 23 33-0062	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	402.20
32 17 23 33-0063	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	685.58
32 17 23 33-0064	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,030.82
32 17 23 33-0065	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	372.61
32 17 23 33-0066	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	413.26
32 17 23 33-0067	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	758.81
32 17 23 33-0068	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	698.00
32 17 23 33-0069	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	701.38
32 17 23 33-0070	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	962.43

32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*

32 17 23 33-0072 Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0071)*

Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0073	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	142.16
32 17 23 33-0074	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	529.03
32 17 23 33-0075	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	300.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0076	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	360.81	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0077	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	378.10	
		Note: White symbol on blue background. Excludes striping.		

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*
Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface	79.09	13.25
		Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface	61.87	13.25
		Note: Also raised strips or directional bars. All colors.		

32 17 26 00-0004 Cast Iron Detectable Warning Plates *(32 17 26)*
Note: Natural finish.

32 17 26 00-0005 Embedded, Cast Iron Detectable Warning Plates *(32 17 26 00-0004)*
Note: Includes bedding concrete.

32 17 26 00-0006	SY	Embedded, Cast Iron Detectable Warning Plates	722.98	

32 18 Athletic and Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001 Tile Playground Surface Material *(32 18 16 13)*
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.

32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	28.21	3.47
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Mechanically Fastened, Add	*2.48*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	28.86	3.67
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Mechanically Fastened, Add	*2.61*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	30.16	4.10
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Mechanically Fastened, Add	*2.87*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	31.46	4.54
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Mechanically Fastened, Add	*3.13*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	35.06	4.97
		For Manufacturer's Standard Colors, Add	*1.21*	
		For Mechanically Fastened, Add	*3.38*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	36.49	5.45
		For Manufacturer's Standard Colors, Add	*1.21*	
		For Mechanically Fastened, Add	*3.67*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	37.98	5.94
		For Manufacturer's Standard Colors, Add	*1.21*	
		For Mechanically Fastened, Add	*3.97*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	41.69	6.35
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Mechanically Fastened, Add	*4.24*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	42.98	6.88
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Mechanically Fastened, Add	*4.50*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	44.41	7.26
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Mechanically Fastened, Add	*4.79*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	51.01	8.18
		For Manufacturer's Standard Colors, Add	*0.66*	
		For Mechanically Fastened, Add	*5.33*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*
Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	2.27	0.52
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.97	0.65
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.76	0.78
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	5.32	1.17
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.17	0.52
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.92	0.65
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.81	0.78
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	7.39	1.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	12.59	1.95
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	16.15	2.60
32 18 16 13-0024		**Poured In Place Playground Surfacing** *(32 18 16 13)* Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	23.69	3.92
		For Up To 2,000, Add	*5.15*	
		For >2,000 To 3,000, Add	*3.62*	
		For >3,000 To 4,000, Add	*2.46*	
		For >4,000 To 5,000, Add	*1.57*	
		For >5,000 To 7,000, Add	*0.65*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	24.44	4.35
		For Up To 2,000, Add	*5.32*	
		For >2,000 To 3,000, Add	*3.74*	
		For >3,000 To 4,000, Add	*2.54*	
		For >4,000 To 5,000, Add	*1.62*	
		For >5,000 To 7,000, Add	*0.67*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.37	4.96
		For Up To 2,000, Add	*5.73*	
		For >2,000 To 3,000, Add	*4.03*	
		For >3,000 To 4,000, Add	*2.74*	
		For >4,000 To 5,000, Add	*1.74*	
		For >5,000 To 7,000, Add	*0.72*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	28.49	5.29
		For Up To 2,000, Add	*6.20*	
		For >2,000 To 3,000, Add	*4.35*	
		For >3,000 To 4,000, Add	*2.96*	
		For >4,000 To 5,000, Add	*1.88*	
		For >5,000 To 7,000, Add	*0.78*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	30.59	5.55
		For Up To 2,000, Add	*6.65*	
		For >2,000 To 3,000, Add	*4.68*	
		For >3,000 To 4,000, Add	*3.17*	
		For >4,000 To 5,000, Add	*2.02*	
		For >5,000 To 7,000, Add	*0.84*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	32.39	5.87
		For Up To 2,000, Add	*7.04*	
		For >2,000 To 3,000, Add	*4.95*	
		For >3,000 To 4,000, Add	*3.36*	
		For >4,000 To 5,000, Add	*2.14*	
		For >5,000 To 7,000, Add	*0.89*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	34.50	6.21
		For Up To 2,000, Add	*7.50*	
		For >2,000 To 3,000, Add	*5.27*	
		For >3,000 To 4,000, Add	*3.58*	
		For >4,000 To 5,000, Add	*2.28*	
		For >5,000 To 7,000, Add	*0.94*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	38.70	6.95
		For Up To 2,000, Add	*8.41*	
		For >2,000 To 3,000, Add	*5.91*	
		For >3,000 To 4,000, Add	*4.02*	
		For >4,000 To 5,000, Add	*2.56*	
		For >5,000 To 7,000, Add	*1.06*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	15.46	
		For Up To 2,000, Add	*5.11*	
		For >2,000 To 3,000, Add	*3.30*	
		For >3,000 To 4,000, Add	*2.00*	
		For >4,000 To 5,000, Add	*1.21*	
		For >5,000 To 7,000, Add	*0.54*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	3,856.86	
32 18 16 13-0035		**Synthetic Playground Turf (Sporturf)** *(32 18 16 13)* Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	11.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	10.39	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	6.81	
32 18 16 13-0039	CF	Sand/Rubber Infill (Sporturf)	74.22	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	9.39
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,277.14
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,048.54
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	6,935.90
32 18 23 29-0009	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,560.95
32 18 23 29-0010	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per end zone.	2,454.24
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	21,341.24
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	30,944.80

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	10.68
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	28,810.85
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,902.33
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,469.48
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,774.38
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per end zone.	2,560.96
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	22,408.44
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	32,492.23

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	10.87
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	29,344.38
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	25,823.06
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	8,003.01
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	2,987.79
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per end zone.	2,667.67
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	23,475.50
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	34,039.48

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0032		**52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52)** *(32 18 23 29-0031)*		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	12.07	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	30,411.27	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	32,438.68	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	9,070.03	
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,414.60	
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per end zone.	2,881.07	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	25,609.49	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	37,133.76	
32 18 23 29-0041		**60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60)** *(32 18 23 29-0031)*		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	12.46	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	30,944.80	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,066.70	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,603.56	
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,628.01	
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per end zone.	2,987.77	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	26,676.55	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	38,681.00	
32 18 23 29-0050		**52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52)** *(32 18 23 29-0031)*		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	12.48	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	31,478.33	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	36,280.11	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	10,137.09	
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,841.42	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per end zone.	3,094.48	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	27,743.61	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	40,228.24	
32 18 23 29-0059		**60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60)** *(32 18 23 29-0031)*		
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	12.71	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,011.86	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	38,627.64	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,670.62	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,268.25	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per end zone.	3,201.19	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	28,810.67	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	41,775.48	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0068		**Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe)** *(32 18 23 29-0002)*		
32 18 23 29-0069		**38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)** *(32 18 23 29-0068)*		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	10.29	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,210.24	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,060.89	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	5,868.88	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,134.14	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields. Note: Per end zone.	2,240.84	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	19,207.23	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields. Note: Graphic.	27,850.49	
32 18 23 29-0078		**42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)** *(32 18 23 29-0068)*		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	9.13	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	27,743.61	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,341.24	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,402.37	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,347.54	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields. Note: Per end zone.	2,347.54	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,274.18	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields. Note: Graphic.	29,397.56	
32 18 23 29-0087		**Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)** *(32 18 23 29-0002)*		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	19.55	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	17.59	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	52,652.55	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	62,553.03	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,300.74	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,850.28	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields. Note: Per end zone.	4,342.48	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	39,082.31	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields. Note: Graphic.	57,377.78	
32 18 23 29-0097		**Synthetic Turf (G9 Turf)** *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	11.13	
		For >35,000, Deduct	*-1.03*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	11.03	
		For >35,000, Deduct	*-1.02*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	11.49	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf. Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	72,806.55	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	31,549.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,640.33	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.41	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	8.90	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.54	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.28	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.10	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	2,426.88	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,268.85	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.80	
		For >10,000 To 30,000, Deduct	*-0.32*	
		For >30,000 To 60,000, Deduct	*-0.56*	
		For >60,000, Deduct	*-0.61*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.44	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	6.05	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on rooftops.	4.96	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	3.05	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	4,836.60	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	13.30	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.32	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.75	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001 Gate Operators *(32 31 11)*

Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*

32 31 11 00-0003 Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*

32 31 11 00-0004 Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	2,254.64	315.94
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	2,957.84	315.94

32 31 11 00-0007 Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,509.28	631.87
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,915.67	631.87

32 31 11 00-0010 Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

32 31 11 00-0011 Single Gate, Swing Gate Operators *(32 31 11 00-0010)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,454.39	315.94
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	4,833.03	315.94
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	6,509.89	315.94
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	7,357.34	315.94
		For 208/230/460 Volt AC, Add	*322.50*	

32 31 11 00-0016 Dual Gate, Swing Gate Operators *(32 31 11 00-0010)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	7,917.09	631.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	8,674.38	631.87
		Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.		
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	12,010.07	631.87
		Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	13,867.23	631.87
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	

32 31 11 00-0021 Sliding Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.

32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	2,125.04	315.94
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,930.12	379.13
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	3,563.58	379.13
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,617.54	442.31
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	5,594.88	442.31
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	7,567.35	505.50
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	12,413.36	505.50
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	20,847.18	568.68
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		

32 31 11 00-0030 Accessories For Gate Actuators And Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	802.02	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,566.18	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	973.97	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	1,082.33	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	974.14	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	712.70	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.45	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.72	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.47	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	12.82	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	837.00	200.34

32 31 11 00-0042 Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*

32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U)	3,078.37	384.78
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*191.03*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*136.74*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*67.34*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*270.67*	
		For Each Additional 10' Chain, Add	*40.54*	

32 31 13 Chain Link Fences and Gates *(32 31)*

32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.77
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.37
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.03
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.16
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	20.90
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	23.00
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	25.55
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	28.74
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	32.85
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	38.32
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	45.98
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	57.48

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0015		**Post Hole In Rock** *(32 31 13 13-0001)*			
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock		101.84	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock		24.61	
32 31 13 13-0018		**Fill For Post Holes** *(32 31 13 13-0001)*			
32 31 13 13-0019		**Concrete Fill For Post Holes** *(32 31 13 13-0018)*			
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole		7.77	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole		9.99	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole		10.93	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole		12.40	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole		17.39	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole		23.20	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole		28.31	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole		32.92	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole		44.35	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole		54.52	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole		64.40	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole		74.57	
32 31 13 13-0032		**Grout Fill For Post Holes** *(32 31 13 13-0018)*			
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole		9.36	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole		12.07	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole		13.07	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole		14.53	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole		20.16	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole		26.90	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole		32.72	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole		37.87	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole		50.08	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole		60.64	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole		70.79	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole		81.13	
32 31 13 13-0045		**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*			
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole		7.03	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole		9.15	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole		9.57	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole		9.86	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole		13.16	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole		17.55	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole		21.06	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole		23.87	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole		29.09	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole		32.65	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole		35.80	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole		38.62	
32 31 13 13-0058		**Chain Link Fence Assemblies** *(32 31 13 13)*			
32 31 13 13-0059		**Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** *(32 31 13 13-0058)*			

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0639 for barb wire attachments.

32 31 13 13-0060		**Galvanized** *(32 31 13 13-0059)*			
32 31 13 13-0061	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		46.18	4.99
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.29*		
		For 13 Gauge Fabric, Deduct	*-9.26*		
		For 11 Gauge Fabric, Deduct	*-5.41*		
		For 6 Gauge Fabric, Add	*8.50*		
		For 1" Mesh Fabric, Add	*11.60*		
		For 1-3/4" Mesh Fabric, Add	*4.64*		
		For 2-1/8" Mesh Fabric, Deduct	*-2.32*		
		For 2-3/8" Mesh Fabric, Deduct	*-3.09*		
		For Posts 8' On Centers, Add	*2.54*		
		For Posts 5' On Centers, Add	*9.58*		
		For Up To 100, Add	*8.88*		
		For >100 To 250, Add	*3.29*		
		For >2,500 To 5,000, Deduct	*-1.64*		
		For >5,000, Deduct	*-3.29*		
		For 3/8" Non-Climbable Mesh, Add	*33.76*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0062	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	47.94	4.99
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.39*	
		For 13 Gauge Fabric, Deduct	*-9.77*	
		For 11 Gauge Fabric, Deduct	*-5.71*	
		For 6 Gauge Fabric, Add	*8.97*	
		For 1" Mesh Fabric, Add	*12.23*	
		For 1-3/4" Mesh Fabric, Add	*4.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.45*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.26*	
		For Posts 8' On Centers, Add	*2.63*	
		For Posts 5' On Centers, Add	*9.92*	
		For Up To 100, Add	*9.17*	
		For >100 To 250, Add	*3.39*	
		For >2,500 To 5,000, Deduct	*-1.69*	
		For >5,000, Deduct	*-3.39*	
		For 3/8" Non-Climbable Mesh, Add	*38.66*	
32 31 13 13-0063	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.51	4.99
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.48*	
		For 13 Gauge Fabric, Deduct	*-10.21*	
		For 11 Gauge Fabric, Deduct	*-5.96*	
		For 6 Gauge Fabric, Add	*9.37*	
		For 1" Mesh Fabric, Add	*12.78*	
		For 1-3/4" Mesh Fabric, Add	*5.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.56*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.41*	
		For Posts 8' On Centers, Add	*2.72*	
		For Posts 5' On Centers, Add	*10.22*	
		For Up To 100, Add	*9.44*	
		For >100 To 250, Add	*3.48*	
		For >2,500 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-3.48*	
		For 3/8" Non-Climbable Mesh, Add	*43.58*	
32 31 13 13-0064	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	53.13	4.99
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.70*	
		For 13 Gauge Fabric, Deduct	*-11.24*	
		For 11 Gauge Fabric, Deduct	*-6.57*	
		For 6 Gauge Fabric, Add	*10.32*	
		For 1" Mesh Fabric, Add	*14.07*	
		For 1-3/4" Mesh Fabric, Add	*5.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.75*	
		For Posts 8' On Centers, Add	*2.91*	
		For Posts 5' On Centers, Add	*10.91*	
		For Up To 100, Add	*10.05*	
		For >100 To 250, Add	*3.70*	
		For >2,500 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-3.70*	
		For 3/8" Non-Climbable Mesh, Add	*52.75*	
32 31 13 13-0065	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	57.49	4.99
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.98*	
		For 13 Gauge Fabric, Deduct	*-12.29*	
		For 11 Gauge Fabric, Deduct	*-7.18*	
		For 6 Gauge Fabric, Add	*11.28*	
		For 1" Mesh Fabric, Add	*15.38*	
		For 1-3/4" Mesh Fabric, Add	*6.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.08*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.10*	
		For Posts 8' On Centers, Add	*3.14*	
		For Posts 5' On Centers, Add	*11.79*	
		For Up To 100, Add	*10.84*	
		For >100 To 250, Add	*3.98*	
		For >2,500 To 5,000, Deduct	*-1.99*	
		For >5,000, Deduct	*-3.98*	
		For 3/8" Non-Climbable Mesh, Add	*61.99*	
32 31 13 13-0066	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	59.61	7.48
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.13*	
		For 13 Gauge Fabric, Deduct	*-12.73*	
		For 11 Gauge Fabric, Deduct	*-7.44*	
		For 6 Gauge Fabric, Add	*11.69*	
		For 1" Mesh Fabric, Add	*15.94*	
		For 1-3/4" Mesh Fabric, Add	*6.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.25*	
		For Posts 8' On Centers, Add	*3.26*	
		For Posts 5' On Centers, Add	*12.22*	
		For Up To 100, Add	*11.24*	
		For >100 To 250, Add	*4.13*	
		For >2,500 To 5,000, Deduct	*-2.06*	
		For >5,000, Deduct	*-4.13*	
		For 3/8" Non-Climbable Mesh, Add	*71.39*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0067	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	67.53	8.72
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.60*	
		For 13 Gauge Fabric, Deduct	*-14.97*	
		For 11 Gauge Fabric, Deduct	*-8.74*	
		For 6 Gauge Fabric, Add	*13.74*	
		For 1" Mesh Fabric, Add	*18.74*	
		For 1-3/4" Mesh Fabric, Add	*7.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.00*	
		For Posts 8' On Centers, Add	*3.67*	
		For Posts 5' On Centers, Add	*13.75*	
		For Up To 100, Add	*12.58*	
		For >100 To 250, Add	*4.60*	
		For >2,500 To 5,000, Deduct	*-2.30*	
		For >5,000, Deduct	*-4.60*	
		For 3/8" Non-Climbable Mesh, Add	*80.89*	
32 31 13 13-0068	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	71.94	11.21
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.88*	
		For 13 Gauge Fabric, Deduct	*-16.10*	
		For 11 Gauge Fabric, Deduct	*-9.40*	
		For 6 Gauge Fabric, Add	*14.78*	
		For 1" Mesh Fabric, Add	*20.15*	
		For 1-3/4" Mesh Fabric, Add	*8.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.37*	
		For Posts 8' On Centers, Add	*3.90*	
		For Posts 5' On Centers, Add	*14.61*	
		For Up To 100, Add	*13.35*	
		For >100 To 250, Add	*4.88*	
		For >2,500 To 5,000, Deduct	*-2.44*	
		For >5,000, Deduct	*-4.88*	
		For 3/8" Non-Climbable Mesh, Add	*89.12*	
32 31 13 13-0069	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	76.37	12.46
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.16*	
		For 13 Gauge Fabric, Deduct	*-17.23*	
		For 11 Gauge Fabric, Deduct	*-10.06*	
		For 6 Gauge Fabric, Add	*15.81*	
		For 1" Mesh Fabric, Add	*21.56*	
		For 1-3/4" Mesh Fabric, Add	*8.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.31*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.75*	
		For Posts 8' On Centers, Add	*4.14*	
		For Posts 5' On Centers, Add	*15.49*	
		For Up To 100, Add	*14.14*	
		For >100 To 250, Add	*5.16*	
		For >2,500 To 5,000, Deduct	*-2.58*	
		For >5,000, Deduct	*-5.16*	
		For 3/8" Non-Climbable Mesh, Add	*97.67*	
32 31 13 13-0070	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	84.70	14.96
		For Each Additional Foot >12, Add	*4.65*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.69*	
		For 13 Gauge Fabric, Deduct	*-19.34*	
		For 11 Gauge Fabric, Deduct	*-11.30*	
		For 6 Gauge Fabric, Add	*17.76*	
		For 1" Mesh Fabric, Add	*24.21*	
		For 1-3/4" Mesh Fabric, Add	*9.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.84*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.46*	
		For Posts 8' On Centers, Add	*4.58*	
		For Posts 5' On Centers, Add	*17.13*	
		For Up To 100, Add	*15.61*	
		For >100 To 250, Add	*5.69*	
		For >2,500 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-5.69*	
		For 3/8" Non-Climbable Mesh, Add	*105.94*	

32 31 13 13-0071 Vinyl Coated *(32 31 13 13-0059)*

32 31 13 13-0072	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	51.15	4.99
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.65*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.56*	
		For 13 Gauge Fabric, Deduct	*-10.78*	
		For 11 Gauge Fabric, Deduct	*-6.30*	
		For 6 Gauge Fabric, Add	*9.89*	
		For 1" Mesh Fabric, Add	*13.49*	
		For 1-3/4" Mesh Fabric, Add	*5.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.70*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.60*	
		For Posts 8' On Centers, Add	*2.80*	
		For Posts 5' On Centers, Add	*10.52*	
		For Up To 100, Add	*9.69*	
		For >100 To 250, Add	*3.56*	
		For >2,500 To 5,000, Deduct	*-1.78*	
		For >5,000, Deduct	*-3.56*	
		For 3/8" Non-Climbable Mesh, Add	*48.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.20	4.99
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.16*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.80*	
		For 13 Gauge Fabric, Deduct	*-11.96*	
		For 11 Gauge Fabric, Deduct	*-6.99*	
		For 6 Gauge Fabric, Add	*10.98*	
		For 1" Mesh Fabric, Add	*14.97*	
		For 1-3/4" Mesh Fabric, Add	*5.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.99*	
		For Posts 8' On Centers, Add	*3.01*	
		For Posts 5' On Centers, Add	*11.29*	
		For Up To 100, Add	*10.36*	
		For >100 To 250, Add	*3.80*	
		For >2,500 To 5,000, Deduct	*-1.90*	
		For >5,000, Deduct	*-3.80*	
		For 3/8" Non-Climbable Mesh, Add	*59.17*	
32 31 13 13-0074	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	61.70	4.99
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.94*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.19*	
		For 13 Gauge Fabric, Deduct	*-13.75*	
		For 11 Gauge Fabric, Deduct	*-8.03*	
		For 6 Gauge Fabric, Add	*12.62*	
		For 1" Mesh Fabric, Add	*17.21*	
		For 1-3/4" Mesh Fabric, Add	*6.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.59*	
		For Posts 8' On Centers, Add	*3.35*	
		For Posts 5' On Centers, Add	*12.54*	
		For Up To 100, Add	*11.47*	
		For >100 To 250, Add	*4.19*	
		For >2,500 To 5,000, Deduct	*-2.10*	
		For >5,000, Deduct	*-4.19*	
		For 3/8" Non-Climbable Mesh, Add	*69.69*	
32 31 13 13-0075	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	64.50	7.48
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.23*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.37*	
		For 13 Gauge Fabric, Deduct	*-14.43*	
		For 11 Gauge Fabric, Deduct	*-8.43*	
		For 6 Gauge Fabric, Add	*13.25*	
		For 1" Mesh Fabric, Add	*18.07*	
		For 1-3/4" Mesh Fabric, Add	*7.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.82*	
		For Posts 8' On Centers, Add	*3.50*	
		For Posts 5' On Centers, Add	*13.10*	
		For Up To 100, Add	*11.97*	
		For >100 To 250, Add	*4.37*	
		For >2,500 To 5,000, Deduct	*-2.19*	
		For >5,000, Deduct	*-4.37*	
		For 3/8" Non-Climbable Mesh, Add	*80.38*	
32 31 13 13-0076	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	73.22	8.72
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.31*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.88*	
		For 13 Gauge Fabric, Deduct	*-16.94*	
		For 11 Gauge Fabric, Deduct	*-9.90*	
		For 6 Gauge Fabric, Add	*15.55*	
		For 1" Mesh Fabric, Add	*21.21*	
		For 1-3/4" Mesh Fabric, Add	*8.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.66*	
		For Posts 8' On Centers, Add	*3.95*	
		For Posts 5' On Centers, Add	*14.77*	
		For Up To 100, Add	*13.43*	
		For >100 To 250, Add	*4.88*	
		For >2,500 To 5,000, Deduct	*-2.44*	
		For >5,000, Deduct	*-4.88*	
		For 3/8" Non-Climbable Mesh, Add	*91.16*	
32 31 13 13-0077	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	78.05	11.21
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.86*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.18*	
		For 13 Gauge Fabric, Deduct	*-18.22*	
		For 11 Gauge Fabric, Deduct	*-10.64*	
		For 6 Gauge Fabric, Add	*16.73*	
		For 1" Mesh Fabric, Add	*22.81*	
		For 1-3/4" Mesh Fabric, Add	*9.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.56*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.08*	
		For Posts 8' On Centers, Add	*4.21*	
		For Posts 5' On Centers, Add	*15.71*	
		For Up To 100, Add	*14.27*	
		For >100 To 250, Add	*5.18*	
		For >2,500 To 5,000, Deduct	*-2.59*	
		For >5,000, Deduct	*-5.18*	
		For 3/8" Non-Climbable Mesh, Add	*100.55*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13 13-0078	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	82.90	12.46
			For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.42*	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.49*	
			For 13 Gauge Fabric, Deduct	*-19.49*	
			For 11 Gauge Fabric, Deduct	*-11.39*	
			For 6 Gauge Fabric, Add	*17.90*	
			For 1" Mesh Fabric, Add	*24.40*	
			For 1-3/4" Mesh Fabric, Add	*9.76*	
			For 2-1/8" Mesh Fabric, Deduct	*-4.88*	
			For 2-3/8" Mesh Fabric, Deduct	*-6.51*	
			For Posts 8' On Centers, Add	*4.47*	
			For Posts 5' On Centers, Add	*16.66*	
			For Up To 100, Add	*15.12*	
			For >100 To 250, Add	*5.49*	
			For >2,500 To 5,000, Deduct	*-2.74*	
			For >5,000, Deduct	*-5.49*	
			For 3/8" Non-Climbable Mesh, Add	*110.26*	
	32 31 13 13-0079	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	90.44	14.96
			For Each Additional Foot >12, Add	*4.90*	
			For Powder Coated Framework (Posts, Rails, Hardware), Add	*9.21*	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.97*	
			For 13 Gauge Fabric, Deduct	*-21.34*	
			For 11 Gauge Fabric, Deduct	*-12.46*	
			For 6 Gauge Fabric, Add	*19.59*	
			For 1" Mesh Fabric, Add	*26.71*	
			For 1-3/4" Mesh Fabric, Add	*10.68*	
			For 2-1/8" Mesh Fabric, Deduct	*-5.34*	
			For 2-3/8" Mesh Fabric, Deduct	*-7.12*	
			For Posts 8' On Centers, Add	*4.87*	
			For Posts 5' On Centers, Add	*18.17*	
			For Up To 100, Add	*16.47*	
			For >100 To 250, Add	*5.97*	
			For >2,500 To 5,000, Deduct	*-2.99*	
			For >5,000, Deduct	*-5.97*	
			For 3/8" Non-Climbable Mesh, Add	*119.58*	

32 31 13 13-0080 Fence Posts *(32 31 13 13)*

Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0081 Fence Posts *(32 31 13 13-0080)*

32 31 13 13-0082 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel *(32 31 13 13-0081)*

Note: Includes cap and accessories.

	32 31 13 13-0083	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	23.68	3.96
			For Each Top Rail Fitting, Add	*0.85*	
			For Curved Posts, Add	*3.94*	
	32 31 13 13-0084	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	22.55	3.37
			For Each Top Rail Fitting, Add	*0.85*	
			For Curved Posts, Add	*3.82*	
	32 31 13 13-0085	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	21.17	2.78
			For Each Top Rail Fitting, Add	*0.85*	
			For Curved Posts, Add	*3.69*	
	32 31 13 13-0086	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	20.08	2.20
			For Each Top Rail Fitting, Add	*0.85*	
			For Curved Posts, Add	*3.58*	
	32 31 13 13-0087	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	19.35	1.91
			For Each Top Rail Fitting, Add	*0.85*	
			For Curved Posts, Add	*3.50*	
	32 31 13 13-0088	LF	1-7/8" Galvanized H-beam Post, >24' In Length	18.19	1.32
			For Each Top Rail Fitting, Add	*0.85*	
			For Curved Posts, Add	*3.39*	

32 31 13 13-0089 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) *(32 31 13 13-0081)*

Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.

	32 31 13 13-0090	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	16.39	3.67
			For Each Top Rail Fitting, Add	*0.85*	
			For Each Single Barbed Wire Arm, Add	*1.90*	
			For Each Double Barbed Wire Arm, Add	*3.40*	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.27*	
			For Vinyl Coated, Add	*5.44*	
			For Powder Coated, Add	*7.25*	
			For Aluminum Coated, Add	*11.33*	
			For Curved Posts, Add	*2.55*	
			For Schedule 20, Deduct	*-1.81*	
			For Schedule 80, Add	*5.08*	
	32 31 13 13-0091	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.14	3.08
			For Each Top Rail Fitting, Add	*0.85*	
			For Each Single Barbed Wire Arm, Add	*1.90*	
			For Each Double Barbed Wire Arm, Add	*3.40*	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.24*	
			For Vinyl Coated, Add	*5.37*	
			For Powder Coated, Add	*7.16*	
			For Aluminum Coated, Add	*11.19*	
			For Curved Posts, Add	*2.41*	
			For Schedule 20, Deduct	*-1.79*	
			For Schedule 80, Add	*4.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0092	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.83	2.49
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.22*	
		For Vinyl Coated, Add	*5.33*	
		For Powder Coated, Add	*7.11*	
		For Aluminum Coated, Add	*11.11*	
		For Curved Posts, Add	*2.27*	
		For Schedule 20, Deduct	*-1.78*	
		For Schedule 80, Add	*4.76*	
32 31 13 13-0093	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.82	1.91
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.22*	
		For Vinyl Coated, Add	*5.32*	
		For Powder Coated, Add	*7.09*	
		For Aluminum Coated, Add	*11.08*	
		For Curved Posts, Add	*2.17*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.65*	
32 31 13 13-0094	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.15	1.61
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.21*	
		For Vinyl Coated, Add	*5.31*	
		For Powder Coated, Add	*7.08*	
		For Aluminum Coated, Add	*11.06*	
		For Curved Posts, Add	*2.10*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.58*	
32 31 13 13-0095	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.43	1.32
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.21*	
		For Vinyl Coated, Add	*5.30*	
		For Powder Coated, Add	*7.07*	
		For Aluminum Coated, Add	*11.05*	
		For Curved Posts, Add	*2.03*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.50*	

32 31 13 13-0096 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0081)*

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0097	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	18.68	3.81
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.77*	
		For Vinyl Coated, Add	*6.65*	
		For Powder Coated, Add	*8.87*	
		For Aluminum Coated, Add	*13.86*	
		For Curved Posts, Add	*2.98*	
		For Schedule 20, Deduct	*-2.22*	
		For Schedule 80, Add	*6.08*	
32 31 13 13-0098	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	17.50	3.23
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.74*	
		For Vinyl Coated, Add	*6.56*	
		For Powder Coated, Add	*8.75*	
		For Aluminum Coated, Add	*13.68*	
		For Curved Posts, Add	*2.84*	
		For Schedule 20, Deduct	*-2.19*	
		For Schedule 80, Add	*5.91*	
32 31 13 13-0099	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	16.10	2.63
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.72*	
		For Vinyl Coated, Add	*6.52*	
		For Powder Coated, Add	*8.70*	
		For Aluminum Coated, Add	*13.59*	
		For Curved Posts, Add	*2.70*	
		For Schedule 20, Deduct	*-2.17*	
		For Schedule 80, Add	*5.74*	
32 31 13 13-0100	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	15.02	2.05
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.71*	
		For Vinyl Coated, Add	*6.50*	
		For Powder Coated, Add	*8.66*	
		For Aluminum Coated, Add	*13.54*	
		For Curved Posts, Add	*2.59*	
		For Schedule 20, Deduct	*-2.17*	
		For Schedule 80, Add	*5.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0101	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	14.30	1.76
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.70*	
		For Vinyl Coated, Add	*6.49*	
		For Powder Coated, Add	*8.65*	
		For Aluminum Coated, Add	*13.51*	
		For Curved Posts, Add	*2.51*	
		For Schedule 20, Deduct	*-2.16*	
		For Schedule 80, Add	*5.54*	
32 31 13 13-0102	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	13.65	1.47
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.70*	
		For Vinyl Coated, Add	*6.49*	
		For Powder Coated, Add	*8.65*	
		For Aluminum Coated, Add	*13.51*	
		For Curved Posts, Add	*2.45*	
		For Schedule 20, Deduct	*-2.16*	
		For Schedule 80, Add	*5.47*	

32 31 13 13-0103 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0081)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0104	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	22.66	4.10
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.67*	
		For Vinyl Coated, Add	*8.80*	
		For Powder Coated, Add	*11.73*	
		For Aluminum Coated, Add	*18.33*	
		For Curved Posts, Add	*3.73*	
		For Schedule 20, Deduct	*-2.93*	
		For Schedule 80, Add	*7.84*	
32 31 13 13-0105	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	21.36	3.52
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.62*	
		For Vinyl Coated, Add	*8.69*	
		For Powder Coated, Add	*11.59*	
		For Aluminum Coated, Add	*18.11*	
		For Curved Posts, Add	*3.59*	
		For Schedule 20, Deduct	*-2.90*	
		For Schedule 80, Add	*7.64*	
32 31 13 13-0106	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	19.90	2.78
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.60*	
		For Vinyl Coated, Add	*8.65*	
		For Powder Coated, Add	*11.53*	
		For Aluminum Coated, Add	*18.01*	
		For Curved Posts, Add	*3.43*	
		For Schedule 20, Deduct	*-2.88*	
		For Schedule 80, Add	*7.47*	
32 31 13 13-0107	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	18.77	2.20
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.62*	
		For Powder Coated, Add	*11.50*	
		For Aluminum Coated, Add	*17.96*	
		For Curved Posts, Add	*3.31*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.34*	
32 31 13 13-0108	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	18.02	1.91
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.61*	
		For Powder Coated, Add	*11.48*	
		For Aluminum Coated, Add	*17.94*	
		For Curved Posts, Add	*3.24*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.26*	
32 31 13 13-0109	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	17.31	1.47
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.60*	
		For Powder Coated, Add	*11.47*	
		For Aluminum Coated, Add	*17.93*	
		For Curved Posts, Add	*3.17*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0110		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0081)* Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0111	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	30.95	4.40
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.54*	
		For Vinyl Coated, Add	*13.30*	
		For Powder Coated, Add	*17.73*	
		For Aluminum Coated, Add	*27.70*	
		For Curved Posts, Add	*5.31*	
		For Schedule 20, Deduct	*-4.43*	
		For Schedule 80, Add	*11.52*	
32 31 13 13-0112	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	29.40	3.81
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.45*	
		For Vinyl Coated, Add	*13.09*	
		For Powder Coated, Add	*17.45*	
		For Aluminum Coated, Add	*27.26*	
		For Curved Posts, Add	*5.12*	
		For Schedule 20, Deduct	*-4.36*	
		For Schedule 80, Add	*11.23*	
32 31 13 13-0113	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	27.75	3.08
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.41*	
		For Vinyl Coated, Add	*12.98*	
		For Powder Coated, Add	*17.31*	
		For Aluminum Coated, Add	*27.05*	
		For Curved Posts, Add	*4.94*	
		For Schedule 20, Deduct	*-4.33*	
		For Schedule 80, Add	*11.00*	
32 31 13 13-0114	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	26.44	2.49
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.39*	
		For Vinyl Coated, Add	*12.93*	
		For Powder Coated, Add	*17.24*	
		For Aluminum Coated, Add	*26.94*	
		For Curved Posts, Add	*4.80*	
		For Schedule 20, Deduct	*-4.31*	
		For Schedule 80, Add	*10.83*	
32 31 13 13-0115	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	25.58	2.05
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.38*	
		For Vinyl Coated, Add	*12.91*	
		For Powder Coated, Add	*17.21*	
		For Aluminum Coated, Add	*26.89*	
		For Curved Posts, Add	*4.71*	
		For Schedule 20, Deduct	*-4.30*	
		For Schedule 80, Add	*10.73*	
32 31 13 13-0116	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	24.80	1.61
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.38*	
		For Vinyl Coated, Add	*12.90*	
		For Powder Coated, Add	*17.20*	
		For Aluminum Coated, Add	*26.88*	
		For Curved Posts, Add	*4.63*	
		For Schedule 20, Deduct	*-4.30*	
		For Schedule 80, Add	*10.65*	
32 31 13 13-0117		Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0081)* Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0118	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	45.43	4.69
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.04*	
		For Vinyl Coated, Add	*21.70*	
		For Powder Coated, Add	*28.94*	
		For Aluminum Coated, Add	*45.21*	
		For Curved Posts, Add	*8.16*	
		For Schedule 20, Deduct	*-7.23*	
		For Schedule 80, Add	*18.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0119	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	43.26	3.81
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.89*	
		For Vinyl Coated, Add	*21.32*	
		For Powder Coated, Add	*28.43*	
		For Aluminum Coated, Add	*44.43*	
		For Curved Posts, Add	*7.88*	
		For Schedule 20, Deduct	*-7.11*	
		For Schedule 80, Add	*17.83*	
32 31 13 13-0120	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	41.66	3.23
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.18*	
		For Aluminum Coated, Add	*44.04*	
		For Curved Posts, Add	*7.69*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.55*	
32 31 13 13-0121	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	40.22	2.63
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.77*	
		For Vinyl Coated, Add	*21.04*	
		For Powder Coated, Add	*28.06*	
		For Aluminum Coated, Add	*43.84*	
		For Curved Posts, Add	*7.53*	
		For Schedule 20, Deduct	*-7.01*	
		For Schedule 80, Add	*17.35*	
32 31 13 13-0122	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	40.14	2.63
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.75*	
		For Vinyl Coated, Add	*20.99*	
		For Powder Coated, Add	*27.99*	
		For Aluminum Coated, Add	*43.74*	
		For Curved Posts, Add	*7.51*	
		For Schedule 20, Deduct	*-7.00*	
		For Schedule 80, Add	*17.31*	
32 31 13 13-0123	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	38.65	1.91
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.75*	
		For Vinyl Coated, Add	*20.99*	
		For Powder Coated, Add	*27.98*	
		For Aluminum Coated, Add	*43.73*	
		For Curved Posts, Add	*7.36*	
		For Schedule 20, Deduct	*-7.00*	
		For Schedule 80, Add	*17.16*	

32 31 13 13-0124 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0081)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0125	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	89.61	5.13
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*19.83*	
		For Vinyl Coated, Add	*47.60*	
		For Powder Coated, Add	*63.46*	
		For Aluminum Coated, Add	*99.16*	
		For Curved Posts, Add	*16.89*	
		For Schedule 20, Deduct	*-15.87*	
		For Schedule 80, Add	*39.11*	
32 31 13 13-0126	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	85.56	4.25
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*19.24*	
		For Vinyl Coated, Add	*46.16*	
		For Powder Coated, Add	*61.55*	
		For Aluminum Coated, Add	*96.18*	
		For Curved Posts, Add	*16.25*	
		For Schedule 20, Deduct	*-15.39*	
		For Schedule 80, Add	*37.79*	
32 31 13 13-0127	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	82.90	3.52
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.94*	
		For Vinyl Coated, Add	*45.45*	
		For Powder Coated, Add	*60.60*	
		For Aluminum Coated, Add	*94.69*	
		For Curved Posts, Add	*15.87*	
		For Schedule 20, Deduct	*-15.15*	
		For Schedule 80, Add	*37.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0128	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	80.87	2.78
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.79*	
		For Vinyl Coated, Add	*45.10*	
		For Powder Coated, Add	*60.13*	
		For Aluminum Coated, Add	*93.95*	
		For Curved Posts, Add	*15.60*	
		For Schedule 20, Deduct	*-15.03*	
		For Schedule 80, Add	*36.65*	
32 31 13 13-0129	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	79.75	2.49
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.72*	
		For Vinyl Coated, Add	*44.92*	
		For Powder Coated, Add	*59.89*	
		For Aluminum Coated, Add	*93.58*	
		For Curved Posts, Add	*15.46*	
		For Schedule 20, Deduct	*-14.97*	
		For Schedule 80, Add	*36.42*	
32 31 13 13-0130	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	78.87	2.05
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.70*	
		For Vinyl Coated, Add	*44.88*	
		For Powder Coated, Add	*59.84*	
		For Aluminum Coated, Add	*93.50*	
		For Curved Posts, Add	*15.37*	
		For Schedule 20, Deduct	*-14.96*	
		For Schedule 80, Add	*36.31*	

32 31 13 13-0131 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0081)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0132	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	173.61	5.72
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*40.55*	
		For Vinyl Coated, Add	*97.31*	
		For Powder Coated, Add	*129.75*	
		For Aluminum Coated, Add	*202.74*	
		For Curved Posts, Add	*33.58*	
		For Schedule 20, Deduct	*-32.44*	
		For Schedule 80, Add	*78.99*	
32 31 13 13-0133	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	167.01	4.83
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*39.36*	
		For Vinyl Coated, Add	*94.47*	
		For Powder Coated, Add	*125.96*	
		For Aluminum Coated, Add	*196.81*	
		For Curved Posts, Add	*32.45*	
		For Schedule 20, Deduct	*-31.49*	
		For Schedule 80, Add	*76.53*	
32 31 13 13-0134	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	162.99	3.96
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.77*	
		For Vinyl Coated, Add	*93.04*	
		For Powder Coated, Add	*124.06*	
		For Aluminum Coated, Add	*193.84*	
		For Curved Posts, Add	*31.81*	
		For Schedule 20, Deduct	*-31.01*	
		For Schedule 80, Add	*75.23*	
32 31 13 13-0135	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	160.17	3.08
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.47*	
		For Vinyl Coated, Add	*92.33*	
		For Powder Coated, Add	*123.11*	
		For Aluminum Coated, Add	*192.36*	
		For Curved Posts, Add	*31.41*	
		For Schedule 20, Deduct	*-30.78*	
		For Schedule 80, Add	*74.50*	
32 31 13 13-0136	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	158.72	2.63
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.32*	
		For Vinyl Coated, Add	*91.97*	
		For Powder Coated, Add	*122.63*	
		For Aluminum Coated, Add	*191.61*	
		For Curved Posts, Add	*31.20*	
		For Schedule 20, Deduct	*-30.66*	
		For Schedule 80, Add	*74.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0137	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	157.70	2.20
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.29*	
		For Vinyl Coated, Add	*91.90*	
		For Powder Coated, Add	*122.54*	
		For Aluminum Coated, Add	*191.46*	
		For Curved Posts, Add	*31.09*	
		For Schedule 20, Deduct	*-30.63*	
		For Schedule 80, Add	*73.97*	

32 31 13 13-0138 Driven Post Supports *(32 31 13 13)*
Note: OZ-Post.

32 31 13 13-0139 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0138)*

32 31 13 13-0140	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	86.15	
32 31 13 13-0141	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	86.15	
32 31 13 13-0142	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	88.18	
32 31 13 13-0143	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	106.31	

32 31 13 13-0144 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0138)*

32 31 13 13-0145	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	100.22	
32 31 13 13-0146	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	97.17	
32 31 13 13-0147	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	100.83	
32 31 13 13-0148	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	106.31	
32 31 13 13-0149	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	106.31	

32 31 13 13-0150 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0138)*

32 31 13 13-0151	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	96.98	
32 31 13 13-0152	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	103.26	
32 31 13 13-0153	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	110.38	
32 31 13 13-0154	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	110.38	
32 31 13 13-0155	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	123.59	
32 31 13 13-0156	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	132.93	

32 31 13 13-0157 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0138)*

32 31 13 13-0158	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	96.98	
32 31 13 13-0159	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	103.26	
32 31 13 13-0160	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	110.38	
32 31 13 13-0161	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	112.00	

32 31 13 13-0162 Rails *(32 31 13 13)*
Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*
Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	8.39	1.61
		For SS15, Deduct	*-0.50*	
		For SS40, Add	*1.26*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	10.08	1.61
		For SS40, Add	*0.67*	
		For Powder Coated, Add	*1.34*	
		For Aluminum Coated, Add	*2.68*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	10.37	1.83
		For SS15, Deduct	*-0.67*	
		For SS40, Add	*1.68*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	12.62	1.83
		For SS40, Add	*0.90*	
		For Powder Coated, Add	*1.79*	
		For Aluminum Coated, Add	*3.58*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	12.13	2.05
		For SS40, Add	*2.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	14.84	2.05
		For SS40, Add	*1.07*	
		For Powder Coated, Add	*2.15*	
		For Aluminum Coated, Add	*4.30*	
32 31 13 13-0170		**SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal)** *(32 31 13 13-0162)*		
32 31 13 13-0171	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	10.91	1.61
		For SS40, Add	*1.81*	
32 31 13 13-0172	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	13.17	1.61
		For SS40, Add	*0.95*	
		For Powder Coated, Add	*1.90*	
		For Aluminum Coated, Add	*3.80*	
32 31 13 13-0173		**Fabric** *(32 31 13 13)*		
32 31 13 13-0174		**Fabric, Galvanized Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0175	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.57	2.94
		For 1-1/4" Mesh Fabric, Add	*1.13*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.01*	
		For 13 Gauge Fabric, Deduct	*-1.82*	
		For 11 Gauge Fabric, Deduct	*-1.01*	
		For 6 Gauge Fabric, Add	*3.23*	
		For 1" Mesh Fabric, Add	*3.03*	
		For 1-1/4" Mesh Fabric, Add	*2.02*	
		For 1-3/4" Mesh Fabric, Add	*1.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.81*	
		For 3/8" Non-Climbable Mesh, Add	*35.19*	
32 31 13 13-0176	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.97	3.30
		For 1-1/4" Mesh Fabric, Add	*1.32*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.18*	
		For 13 Gauge Fabric, Deduct	*-2.12*	
		For 11 Gauge Fabric, Deduct	*-1.18*	
		For 6 Gauge Fabric, Add	*3.77*	
		For 1" Mesh Fabric, Add	*3.53*	
		For 1-1/4" Mesh Fabric, Add	*2.36*	
		For 1-3/4" Mesh Fabric, Add	*1.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.94*	
		For 3/8" Non-Climbable Mesh, Add	*40.19*	
32 31 13 13-0177	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.18	3.67
		For 1-1/4" Mesh Fabric, Add	*1.45*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.30*	
		For 13 Gauge Fabric, Deduct	*-2.33*	
		For 11 Gauge Fabric, Deduct	*-1.30*	
		For 6 Gauge Fabric, Add	*4.14*	
		For 1" Mesh Fabric, Add	*3.89*	
		For 1-1/4" Mesh Fabric, Add	*2.59*	
		For 1-3/4" Mesh Fabric, Add	*1.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.78*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.04*	
		For 3/8" Non-Climbable Mesh, Add	*45.24*	
32 31 13 13-0178	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	18.19	4.40
		For 1-1/4" Mesh Fabric, Add	*1.81*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.62*	
		For 13 Gauge Fabric, Deduct	*-2.91*	
		For 11 Gauge Fabric, Deduct	*-1.62*	
		For 6 Gauge Fabric, Add	*5.17*	
		For 1" Mesh Fabric, Add	*4.85*	
		For 1-1/4" Mesh Fabric, Add	*3.23*	
		For 1-3/4" Mesh Fabric, Add	*1.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.97*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.29*	
		For 3/8" Non-Climbable Mesh, Add	*54.51*	
32 31 13 13-0179	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	20.33	5.13
		For 1-1/4" Mesh Fabric, Add	*2.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.94*	
		For 13 Gauge Fabric, Deduct	*-3.50*	
		For 11 Gauge Fabric, Deduct	*-1.94*	
		For 6 Gauge Fabric, Add	*6.22*	
		For 1" Mesh Fabric, Add	*5.83*	
		For 1-1/4" Mesh Fabric, Add	*3.89*	
		For 1-3/4" Mesh Fabric, Add	*2.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.55*	
		For 3/8" Non-Climbable Mesh, Add	*63.88*	
32 31 13 13-0180	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	22.58	5.86
		For 1-1/4" Mesh Fabric, Add	*2.53*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.26*	
		For 13 Gauge Fabric, Deduct	*-4.07*	
		For 11 Gauge Fabric, Deduct	*-2.26*	
		For 6 Gauge Fabric, Add	*7.24*	
		For 1" Mesh Fabric, Add	*6.79*	
		For 1-1/4" Mesh Fabric, Add	*4.53*	
		For 1-3/4" Mesh Fabric, Add	*2.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.36*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.81*	
		For 3/8" Non-Climbable Mesh, Add	*73.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0181	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	25.01	7.33
		For 1-1/4" Mesh Fabric, Add	*2.90*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.59*	
		For 13 Gauge Fabric, Deduct	*-4.66*	
		For 11 Gauge Fabric, Deduct	*-2.59*	
		For 6 Gauge Fabric, Add	*8.28*	
		For 1" Mesh Fabric, Add	*7.76*	
		For 1-1/4" Mesh Fabric, Add	*5.18*	
		For 1-3/4" Mesh Fabric, Add	*3.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.07*	
		For 3/8" Non-Climbable Mesh, Add	*83.10*	
32 31 13 13-0182	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	29.62	8.06
		For 1-1/4" Mesh Fabric, Add	*3.76*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.36*	
		For 13 Gauge Fabric, Deduct	*-6.05*	
		For 11 Gauge Fabric, Deduct	*-3.36*	
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*10.08*	
		For 1-1/4" Mesh Fabric, Add	*6.72*	
		For 1-3/4" Mesh Fabric, Add	*4.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.02*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.69*	
		For 3/8" Non-Climbable Mesh, Add	*100.10*	
32 31 13 13-0183	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	33.70	8.79
		For 1-1/4" Mesh Fabric, Add	*4.51*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.03*	
		For 13 Gauge Fabric, Deduct	*-7.25*	
		For 11 Gauge Fabric, Deduct	*-4.03*	
		For 6 Gauge Fabric, Add	*12.89*	
		For 1" Mesh Fabric, Add	*12.08*	
		For 1-1/4" Mesh Fabric, Add	*8.06*	
		For 1-3/4" Mesh Fabric, Add	*4.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.22*	
		For 3/8" Non-Climbable Mesh, Add	*108.57*	
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	37.82	10.26
		For 1-1/4" Mesh Fabric, Add	*4.84*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.33*	
		For 13 Gauge Fabric, Deduct	*-7.79*	
		For 11 Gauge Fabric, Deduct	*-4.33*	
		For 6 Gauge Fabric, Add	*13.84*	
		For 1" Mesh Fabric, Add	*12.98*	
		For 1-1/4" Mesh Fabric, Add	*8.65*	
		For 1-3/4" Mesh Fabric, Add	*5.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.60*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.46*	
		For 3/8" Non-Climbable Mesh, Add	*118.57*	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	41.95	11.73
		For 1-1/4" Mesh Fabric, Add	*5.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.63*	
		For 13 Gauge Fabric, Deduct	*-8.33*	
		For 11 Gauge Fabric, Deduct	*-4.63*	
		For 6 Gauge Fabric, Add	*14.80*	
		For 1" Mesh Fabric, Add	*13.88*	
		For 1-1/4" Mesh Fabric, Add	*9.25*	
		For 1-3/4" Mesh Fabric, Add	*5.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.78*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.70*	
		For 3/8" Non-Climbable Mesh, Add	*128.58*	

32 31 13 13-0186 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0173)*

32 31 13 13-0187	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.83	2.94
		For 1-1/4" Mesh Fabric, Add	*1.91*	
		For 13 Gauge Fabric, Deduct	*-3.07*	
		For 11 Gauge Fabric, Deduct	*-1.71*	
		For 6 Gauge Fabric, Add	*5.46*	
		For 1" Mesh Fabric, Add	*5.12*	
		For 1-1/4" Mesh Fabric, Add	*3.42*	
		For 1-3/4" Mesh Fabric, Add	*2.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.02*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.37*	
		For Aluminum Coated, Add	*2.73*	
		For 3/8" Non-Climbable Mesh, Add	*50.38*	
32 31 13 13-0188	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.26	4.40
		For 1-1/4" Mesh Fabric, Add	*2.39*	
		For 13 Gauge Fabric, Deduct	*-3.84*	
		For 11 Gauge Fabric, Deduct	*-2.13*	
		For 6 Gauge Fabric, Add	*6.82*	
		For 1" Mesh Fabric, Add	*6.40*	
		For 1-1/4" Mesh Fabric, Add	*4.27*	
		For 1-3/4" Mesh Fabric, Add	*2.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.71*	
		For Aluminum Coated, Add	*3.41*	
		For 3/8" Non-Climbable Mesh, Add	*60.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0189	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.53	5.13
		For 1-1/4" Mesh Fabric, Add	*3.35*	
		For 13 Gauge Fabric, Deduct	*-5.39*	
		For 11 Gauge Fabric, Deduct	*-2.99*	
		For 6 Gauge Fabric, Add	*9.58*	
		For 1" Mesh Fabric, Add	*8.98*	
		For 1-1/4" Mesh Fabric, Add	*5.99*	
		For 1-3/4" Mesh Fabric, Add	*3.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.39*	
		For Aluminum Coated, Add	*4.79*	
		For 3/8" Non-Climbable Mesh, Add	*71.58*	
32 31 13 13-0190	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.46	5.86
		For 1-1/4" Mesh Fabric, Add	*3.90*	
		For 13 Gauge Fabric, Deduct	*-6.27*	
		For 11 Gauge Fabric, Deduct	*-3.48*	
		For 6 Gauge Fabric, Add	*11.14*	
		For 1" Mesh Fabric, Add	*10.45*	
		For 1-1/4" Mesh Fabric, Add	*6.97*	
		For 1-3/4" Mesh Fabric, Add	*4.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.09*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.79*	
		For Aluminum Coated, Add	*5.57*	
		For 3/8" Non-Climbable Mesh, Add	*82.40*	
32 31 13 13-0191	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	30.70	7.33
		For 1-1/4" Mesh Fabric, Add	*4.49*	
		For 13 Gauge Fabric, Deduct	*-7.22*	
		For 11 Gauge Fabric, Deduct	*-4.01*	
		For 6 Gauge Fabric, Add	*12.83*	
		For 1" Mesh Fabric, Add	*12.03*	
		For 1-1/4" Mesh Fabric, Add	*8.02*	
		For 1-3/4" Mesh Fabric, Add	*4.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.21*	
		For Aluminum Coated, Add	*6.42*	
		For 3/8" Non-Climbable Mesh, Add	*93.37*	
32 31 13 13-0192	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	36.15	8.06
		For 1-1/4" Mesh Fabric, Add	*5.59*	
		For 13 Gauge Fabric, Deduct	*-8.99*	
		For 11 Gauge Fabric, Deduct	*-4.99*	
		For 6 Gauge Fabric, Add	*15.98*	
		For 1" Mesh Fabric, Add	*14.98*	
		For 1-1/4" Mesh Fabric, Add	*9.99*	
		For 1-3/4" Mesh Fabric, Add	*5.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.00*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.99*	
		For Aluminum Coated, Add	*7.99*	
		For 3/8" Non-Climbable Mesh, Add	*112.69*	
32 31 13 13-0193	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	39.43	8.79
		For 1-1/4" Mesh Fabric, Add	*6.12*	
		For 13 Gauge Fabric, Deduct	*-9.83*	
		For 11 Gauge Fabric, Deduct	*-5.46*	
		For 6 Gauge Fabric, Add	*17.47*	
		For 1" Mesh Fabric, Add	*16.38*	
		For 1-1/4" Mesh Fabric, Add	*10.92*	
		For 1-3/4" Mesh Fabric, Add	*6.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.37*	
		For Aluminum Coated, Add	*8.74*	
		For 3/8" Non-Climbable Mesh, Add	*122.21*	
32 31 13 13-0194	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	44.56	10.26
		For 1-1/4" Mesh Fabric, Add	*6.73*	
		For 13 Gauge Fabric, Deduct	*-10.82*	
		For 11 Gauge Fabric, Deduct	*-6.01*	
		For 6 Gauge Fabric, Add	*19.23*	
		For 1" Mesh Fabric, Add	*18.03*	
		For 1-1/4" Mesh Fabric, Add	*12.02*	
		For 1-3/4" Mesh Fabric, Add	*7.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.81*	
		For Aluminum Coated, Add	*9.62*	
		For 3/8" Non-Climbable Mesh, Add	*133.28*	
32 31 13 13-0195	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	49.80	11.73
		For 1-1/4" Mesh Fabric, Add	*7.38*	
		For 13 Gauge Fabric, Deduct	*-11.86*	
		For 11 Gauge Fabric, Deduct	*-6.59*	
		For 6 Gauge Fabric, Add	*21.08*	
		For 1" Mesh Fabric, Add	*19.76*	
		For 1-1/4" Mesh Fabric, Add	*13.18*	
		For 1-3/4" Mesh Fabric, Add	*7.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.95*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.27*	
		For Aluminum Coated, Add	*10.54*	
		For 3/8" Non-Climbable Mesh, Add	*144.35*	

32 31 13 13-0196 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0173)*

32 31 13 13-0197	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.24	2.94
		For 6 Gauge Fabric, Add	*2.97*	
		For 1" Mesh Fabric, Add	*3.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0198	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.58	3.30
		For 6 Gauge Fabric, Add	*3.46*	
		For 1" Mesh Fabric, Add	*4.54*	
32 31 13 13-0199	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.94	3.67
		For 6 Gauge Fabric, Add	*3.95*	
		For 1" Mesh Fabric, Add	*5.19*	
32 31 13 13-0200	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.90	4.40
		For 6 Gauge Fabric, Add	*4.94*	
		For 1" Mesh Fabric, Add	*6.48*	
32 31 13 13-0201	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.94	5.13
		For 6 Gauge Fabric, Add	*5.90*	
		For 1" Mesh Fabric, Add	*7.75*	
32 31 13 13-0202	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	22.16	5.86
		For 6 Gauge Fabric, Add	*6.90*	
		For 1" Mesh Fabric, Add	*9.06*	
32 31 13 13-0203	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	24.52	7.33
		For 6 Gauge Fabric, Add	*7.89*	
		For 1" Mesh Fabric, Add	*10.35*	
32 31 13 13-0204	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	28.50	8.06
		For 6 Gauge Fabric, Add	*9.86*	
		For 1" Mesh Fabric, Add	*12.94*	
32 31 13 13-0205	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	32.37	8.79
		For 6 Gauge Fabric, Add	*11.82*	
		For 1" Mesh Fabric, Add	*15.52*	

32 31 13 13-0206 Fabric, All Aluminum Chain Link *(32 31 13 13-0173)*

32 31 13 13-0207	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.24	2.94
		For 6 Gauge Fabric, Add	*7.77*	
		For 1" Mesh Fabric, Add	*10.20*	
32 31 13 13-0208	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.59	3.30
		For 6 Gauge Fabric, Add	*9.06*	
		For 1" Mesh Fabric, Add	*11.90*	
32 31 13 13-0209	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	23.95	3.67
		For 6 Gauge Fabric, Add	*10.36*	
		For 1" Mesh Fabric, Add	*13.60*	
32 31 13 13-0210	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	27.92	4.40
		For 6 Gauge Fabric, Add	*12.95*	
		For 1" Mesh Fabric, Add	*17.00*	
32 31 13 13-0211	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	31.98	5.13
		For 6 Gauge Fabric, Add	*15.54*	
		For 1" Mesh Fabric, Add	*20.39*	
32 31 13 13-0212	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	36.19	5.86
		For 6 Gauge Fabric, Add	*18.13*	
		For 1" Mesh Fabric, Add	*23.79*	
32 31 13 13-0213	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	40.56	7.33
		For 6 Gauge Fabric, Add	*20.72*	
		For 1" Mesh Fabric, Add	*27.20*	
32 31 13 13-0214	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	48.55	8.06
		For 6 Gauge Fabric, Add	*25.90*	
		For 1" Mesh Fabric, Add	*33.99*	
32 31 13 13-0215	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	56.44	8.79
		For 6 Gauge Fabric, Add	*31.08*	
		For 1" Mesh Fabric, Add	*40.79*	

32 31 13 13-0216 Fence Inserts *(32 31 13 13-0173)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0217 Vinyl Plastic Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0218	LF	3' High Fence, Vinyl Plastic Fence Insert	11.53
32 31 13 13-0219	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	13.22
32 31 13 13-0220	LF	4' High Fence, Vinyl Plastic Fence Insert	14.59
32 31 13 13-0221	LF	5' High Fence, Vinyl Plastic Fence Insert	18.28
32 31 13 13-0222	LF	6' High Fence, Vinyl Plastic Fence Insert	21.87
32 31 13 13-0223	LF	7' High Fence, Vinyl Plastic Fence Insert	25.59
32 31 13 13-0224	LF	8' High Fence, Vinyl Plastic Fence Insert	29.17
32 31 13 13-0225	LF	10' High Fence, Vinyl Plastic Fence Insert	34.85

32 31 13 13-0226 Aluminum Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0227	LF	3' High Fence, Aluminum Fence Insert	36.22
32 31 13 13-0228	LF	3-1/2' High Fence, Aluminum Fence Insert	39.83
32 31 13 13-0229	LF	4' High Fence, Aluminum Fence Insert	45.61
32 31 13 13-0230	LF	5' High Fence, Aluminum Fence Insert	57.10
32 31 13 13-0231	LF	6' High Fence, Aluminum Fence Insert	68.50
32 31 13 13-0232	LF	7' High Fence, Aluminum Fence Insert	74.86
32 31 13 13-0233	LF	8' High Fence, Aluminum Fence Insert	91.31
32 31 13 13-0234	LF	10' High Fence, Aluminum Fence Insert	113.03

32 31 13 13-0235 Redwood Fence Inserts *(32 31 13 13-0216)*

32 31 13 13-0236	LF	4' High Fence, Redwood Fence Insert	17.25
32 31 13 13-0237	LF	5' High Fence, Redwood Fence Insert	21.86
32 31 13 13-0238	LF	6' High Fence, Redwood Fence Insert	26.27
32 31 13 13-0239	LF	7' High Fence, Redwood Fence Insert	30.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0240	LF	8' High Fence, Redwood Fence Insert	34.98	

32 31 13 13-0241 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0216)*

32 31 13 13-0242	SF	Diagonal Polyethylene Fence Weave	4.61	

32 31 13 13-0243 Hedge Link Fence Inserts *(32 31 13 13-0216)*

32 31 13 13-0244	LF	3' High Fence, Hedge Link Fence Insert	23.72	
32 31 13 13-0245	LF	3-1/2' High Fence, Hedge Link Fence Insert	27.01	
32 31 13 13-0246	LF	4' High Fence, Hedge Link Fence Insert	31.89	
32 31 13 13-0247	LF	5' High Fence, Hedge Link Fence Insert	39.42	
32 31 13 13-0248	LF	6' High Fence, Hedge Link Fence Insert	45.31	
32 31 13 13-0249	LF	7' High Fence, Hedge Link Fence Insert	56.76	
32 31 13 13-0250	LF	8' High Fence, Hedge Link Fence Insert	64.50	
32 31 13 13-0251	LF	10' High Fence, Hedge Link Fence Insert	76.83	
32 31 13 13-0252	LF	12' High Fence, Hedge Link Fence Insert	88.08	

32 31 13 13-0253 Fence Windscreen Fabric *(32 31 13 13-0173)*

Note: Includes plastic wire clips.

32 31 13 13-0254	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.62	0.80
		For Sewn Boxed Vent (Each), Add	*29.02*	
		For Welded Boxed Vent (Each), Add	*14.51*	
		For 4' x 4' One Color Logo (Each), Add	*604.58*	

32 31 13 13-0255 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0256 Galvanized Steel Without Barbed Wire *(32 31 13 13-0255)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0257 4' Fence Height *(32 31 13 13-0256)*

32 31 13 13-0258	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	418.16	32.88
		For Gate With Single Barb Wire Arm, Add	*34.70*	
		For Gate With Double Barb Wire Arm, Add	*50.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.14*	
		For Aluminized Steel Gate And Post, Add	*151.40*	
		For Powder Coated Gate And Post, Add	*82.01*	
		For 1" Mesh Fabric, Add	*137.21*	
		For 1-1/4" Mesh Fabric, Add	*88.32*	
		For 1-3/4" Mesh Fabric, Add	*54.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.44*	
32 31 13 13-0259	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	523.30	34.25
		For Gate With Single Barb Wire Arm, Add	*46.26*	
		For Gate With Double Barb Wire Arm, Add	*67.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.86*	
		For Aluminized Steel Gate And Post, Add	*201.87*	
		For Powder Coated Gate And Post, Add	*109.35*	
		For 1" Mesh Fabric, Add	*182.94*	
		For 1-1/4" Mesh Fabric, Add	*117.76*	
		For 1-3/4" Mesh Fabric, Add	*73.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.59*	
32 31 13 13-0260	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	617.34	36.44
		For Gate With Single Barb Wire Arm, Add	*55.85*	
		For Gate With Double Barb Wire Arm, Add	*81.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.20*	
		For Aluminized Steel Gate And Post, Add	*243.72*	
		For Powder Coated Gate And Post, Add	*132.02*	
		For 1" Mesh Fabric, Add	*220.87*	
		For 1-1/4" Mesh Fabric, Add	*142.17*	
		For 1-3/4" Mesh Fabric, Add	*88.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.17*	
32 31 13 13-0261	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	726.47	43.84
		For Gate With Single Barb Wire Arm, Add	*65.44*	
		For Gate With Double Barb Wire Arm, Add	*95.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.55*	
		For Aluminized Steel Gate And Post, Add	*285.57*	
		For Powder Coated Gate And Post, Add	*154.68*	
		For 1" Mesh Fabric, Add	*258.80*	
		For 1-1/4" Mesh Fabric, Add	*166.58*	
		For 1-3/4" Mesh Fabric, Add	*103.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.76*	
32 31 13 13-0262	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	835.57	51.10
		For Gate With Single Barb Wire Arm, Add	*75.03*	
		For Gate With Double Barb Wire Arm, Add	*109.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-127.90*	
		For Aluminized Steel Gate And Post, Add	*327.42*	
		For Powder Coated Gate And Post, Add	*177.35*	
		For 1" Mesh Fabric, Add	*296.73*	
		For 1-1/4" Mesh Fabric, Add	*191.00*	
		For 1-3/4" Mesh Fabric, Add	*118.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0263	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	948.25	58.36
		For Gate With Single Barb Wire Arm, Add	*85.02*	
		For Gate With Double Barb Wire Arm, Add	*123.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.92*	
		For Aluminized Steel Gate And Post, Add	*371.00*	
		For Powder Coated Gate And Post, Add	*200.96*	
		For 1" Mesh Fabric, Add	*336.22*	
		For 1-1/4" Mesh Fabric, Add	*216.41*	
		For 1-3/4" Mesh Fabric, Add	*134.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.24*	
32 31 13 13-0264	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,057.35	65.75
		For Gate With Single Barb Wire Arm, Add	*94.61*	
		For Gate With Double Barb Wire Arm, Add	*137.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.27*	
		For Aluminized Steel Gate And Post, Add	*412.85*	
		For Powder Coated Gate And Post, Add	*223.63*	
		For 1" Mesh Fabric, Add	*374.14*	
		For 1-1/4" Mesh Fabric, Add	*240.83*	
		For 1-3/4" Mesh Fabric, Add	*149.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.83*	
32 31 13 13-0265	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,168.00	73.01
		For Gate With Single Barb Wire Arm, Add	*104.37*	
		For Gate With Double Barb Wire Arm, Add	*151.81*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.91*	
		For Aluminized Steel Gate And Post, Add	*455.44*	
		For Powder Coated Gate And Post, Add	*246.70*	
		For 1" Mesh Fabric, Add	*412.74*	
		For 1-1/4" Mesh Fabric, Add	*265.67*	
		For 1-3/4" Mesh Fabric, Add	*165.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.55*	
32 31 13 13-0266	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,480.86	73.01
		For Gate With Single Barb Wire Arm, Add	*138.78*	
		For Gate With Double Barb Wire Arm, Add	*201.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.57*	
		For Aluminized Steel Gate And Post, Add	*605.61*	
		For Powder Coated Gate And Post, Add	*328.04*	
		For 1" Mesh Fabric, Add	*548.83*	
		For 1-1/4" Mesh Fabric, Add	*353.27*	
		For 1-3/4" Mesh Fabric, Add	*219.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.77*	
32 31 13 13-0267	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,748.85	78.22
		For Gate With Single Barb Wire Arm, Add	*166.54*	
		For Gate With Double Barb Wire Arm, Add	*242.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-283.88*	
		For Aluminized Steel Gate And Post, Add	*726.73*	
		For Powder Coated Gate And Post, Add	*393.65*	
		For 1" Mesh Fabric, Add	*658.60*	
		For 1-1/4" Mesh Fabric, Add	*423.93*	
		For 1-3/4" Mesh Fabric, Add	*263.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.72*	
32 31 13 13-0268	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,019.26	84.24
		For Gate With Single Barb Wire Arm, Add	*194.30*	
		For Gate With Double Barb Wire Arm, Add	*282.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-331.19*	
		For Aluminized Steel Gate And Post, Add	*847.85*	
		For Powder Coated Gate And Post, Add	*459.25*	
		For 1" Mesh Fabric, Add	*768.37*	
		For 1-1/4" Mesh Fabric, Add	*494.58*	
		For 1-3/4" Mesh Fabric, Add	*307.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-153.67*	
32 31 13 13-0269	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,292.67	91.23
		For Gate With Single Barb Wire Arm, Add	*222.06*	
		For Gate With Double Barb Wire Arm, Add	*322.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-378.51*	
		For Aluminized Steel Gate And Post, Add	*968.98*	
		For Powder Coated Gate And Post, Add	*524.86*	
		For 1" Mesh Fabric, Add	*878.13*	
		For 1-1/4" Mesh Fabric, Add	*565.24*	
		For 1-3/4" Mesh Fabric, Add	*351.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.63*	
32 31 13 13-0270	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,601.10	109.85
		For Gate With Single Barb Wire Arm, Add	*249.81*	
		For Gate With Double Barb Wire Arm, Add	*363.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-425.82*	
		For Aluminized Steel Gate And Post, Add	*1,090.09*	
		For Powder Coated Gate And Post, Add	*590.47*	
		For 1" Mesh Fabric, Add	*987.90*	
		For 1-1/4" Mesh Fabric, Add	*635.89*	
		For 1-3/4" Mesh Fabric, Add	*395.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-197.58*	
32 31 13 13-0271	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,877.02	117.74
		For Gate With Single Barb Wire Arm, Add	*277.57*	
		For Gate With Double Barb Wire Arm, Add	*403.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-473.13*	
		For Aluminized Steel Gate And Post, Add	*1,211.22*	
		For Powder Coated Gate And Post, Add	*656.08*	
		For 1" Mesh Fabric, Add	*1,097.67*	
		For 1-1/4" Mesh Fabric, Add	*706.54*	
		For 1-3/4" Mesh Fabric, Add	*439.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0272	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,150.40	126.87
		For Gate With Single Barb Wire Arm, Add	*304.65*	
		For Gate With Double Barb Wire Arm, Add	*443.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.29*	
		For Aluminized Steel Gate And Post, Add	*1,329.38*	
		For Powder Coated Gate And Post, Add	*720.08*	
		For 1" Mesh Fabric, Add	*1,204.75*	
		For 1-1/4" Mesh Fabric, Add	*775.47*	
		For 1-3/4" Mesh Fabric, Add	*481.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.95*	
32 31 13 13-0273	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,428.32	137.40
		For Gate With Single Barb Wire Arm, Add	*331.73*	
		For Gate With Double Barb Wire Arm, Add	*482.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-565.45*	
		For Aluminized Steel Gate And Post, Add	*1,447.55*	
		For Powder Coated Gate And Post, Add	*784.09*	
		For 1" Mesh Fabric, Add	*1,311.84*	
		For 1-1/4" Mesh Fabric, Add	*844.40*	
		For 1-3/4" Mesh Fabric, Add	*524.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.37*	
32 31 13 13-0274	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,712.01	149.93
		For Gate With Single Barb Wire Arm, Add	*358.81*	
		For Gate With Double Barb Wire Arm, Add	*521.91*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-611.61*	
		For Aluminized Steel Gate And Post, Add	*1,565.72*	
		For Powder Coated Gate And Post, Add	*848.10*	
		For 1" Mesh Fabric, Add	*1,418.94*	
		For 1-1/4" Mesh Fabric, Add	*913.34*	
		For 1-3/4" Mesh Fabric, Add	*567.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-283.79*	
32 31 13 13-0275	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,910.89	164.93
		For Gate With Single Barb Wire Arm, Add	*375.74*	
		For Gate With Double Barb Wire Arm, Add	*546.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-640.46*	
		For Aluminized Steel Gate And Post, Add	*1,639.57*	
		For Powder Coated Gate And Post, Add	*888.10*	
		For 1" Mesh Fabric, Add	*1,485.86*	
		For 1-1/4" Mesh Fabric, Add	*956.42*	
		For 1-3/4" Mesh Fabric, Add	*594.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-297.17*	
32 31 13 13-0276	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	4,335.17	183.19
		For Gate With Single Barb Wire Arm, Add	*416.36*	
		For Gate With Double Barb Wire Arm, Add	*605.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-709.70*	
		For Aluminized Steel Gate And Post, Add	*1,816.82*	
		For Powder Coated Gate And Post, Add	*984.11*	
		For 1" Mesh Fabric, Add	*1,646.50*	
		For 1-1/4" Mesh Fabric, Add	*1,059.81*	
		For 1-3/4" Mesh Fabric, Add	*658.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-329.30*	

32 31 13 13-0277 5' Fence Height *(32 31 13 13-0256)*

32 31 13 13-0278	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	499.38	36.44
		For Gate With Single Barb Wire Arm, Add	*42.88*	
		For Gate With Double Barb Wire Arm, Add	*62.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.09*	
		For Aluminized Steel Gate And Post, Add	*187.10*	
		For Powder Coated Gate And Post, Add	*101.35*	
		For 1" Mesh Fabric, Add	*169.56*	
		For 1-1/4" Mesh Fabric, Add	*109.14*	
		For 1-3/4" Mesh Fabric, Add	*67.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.91*	
32 31 13 13-0279	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	627.60	36.44
		For Gate With Single Barb Wire Arm, Add	*56.98*	
		For Gate With Double Barb Wire Arm, Add	*82.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.13*	
		For Aluminized Steel Gate And Post, Add	*248.64*	
		For Powder Coated Gate And Post, Add	*134.68*	
		For 1" Mesh Fabric, Add	*225.33*	
		For 1-1/4" Mesh Fabric, Add	*145.04*	
		For 1-3/4" Mesh Fabric, Add	*90.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.07*	
32 31 13 13-0280	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	731.92	38.76
		For Gate With Single Barb Wire Arm, Add	*67.70*	
		For Gate With Double Barb Wire Arm, Add	*98.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.40*	
		For Aluminized Steel Gate And Post, Add	*295.42*	
		For Powder Coated Gate And Post, Add	*160.02*	
		For 1" Mesh Fabric, Add	*267.73*	
		For 1-1/4" Mesh Fabric, Add	*172.33*	
		For 1-3/4" Mesh Fabric, Add	*107.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0281	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	857.77	46.57
		For Gate With Single Barb Wire Arm, Add	*78.98*	
		For Gate With Double Barb Wire Arm, Add	*114.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.63*	
		For Aluminized Steel Gate And Post, Add	*344.65*	
		For Powder Coated Gate And Post, Add	*186.69*	
		For 1" Mesh Fabric, Add	*312.34*	
		For 1-1/4" Mesh Fabric, Add	*201.05*	
		For 1-3/4" Mesh Fabric, Add	*124.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.47*	
32 31 13 13-0282	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	973.36	54.25
		For Gate With Single Barb Wire Arm, Add	*89.14*	
		For Gate With Double Barb Wire Arm, Add	*129.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.94*	
		For Aluminized Steel Gate And Post, Add	*388.97*	
		For Powder Coated Gate And Post, Add	*210.69*	
		For 1" Mesh Fabric, Add	*352.50*	
		For 1-1/4" Mesh Fabric, Add	*226.90*	
		For 1-3/4" Mesh Fabric, Add	*141.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.50*	
32 31 13 13-0283	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,100.61	62.46
		For Gate With Single Barb Wire Arm, Add	*100.42*	
		For Gate With Double Barb Wire Arm, Add	*146.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-171.17*	
		For Aluminized Steel Gate And Post, Add	*438.21*	
		For Powder Coated Gate And Post, Add	*237.36*	
		For 1" Mesh Fabric, Add	*397.12*	
		For 1-1/4" Mesh Fabric, Add	*255.62*	
		For 1-3/4" Mesh Fabric, Add	*158.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.42*	
32 31 13 13-0284	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,221.32	70.27
		For Gate With Single Barb Wire Arm, Add	*111.14*	
		For Gate With Double Barb Wire Arm, Add	*161.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.44*	
		For Aluminized Steel Gate And Post, Add	*484.98*	
		For Powder Coated Gate And Post, Add	*262.70*	
		For 1" Mesh Fabric, Add	*439.51*	
		For 1-1/4" Mesh Fabric, Add	*282.90*	
		For 1-3/4" Mesh Fabric, Add	*175.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.90*	
32 31 13 13-0285	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,342.06	77.95
		For Gate With Single Barb Wire Arm, Add	*121.86*	
		For Gate With Double Barb Wire Arm, Add	*177.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-207.72*	
		For Aluminized Steel Gate And Post, Add	*531.75*	
		For Powder Coated Gate And Post, Add	*288.03*	
		For 1" Mesh Fabric, Add	*481.90*	
		For 1-1/4" Mesh Fabric, Add	*310.19*	
		For 1-3/4" Mesh Fabric, Add	*192.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.38*	
32 31 13 13-0286	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,798.09	78.22
		For Gate With Single Barb Wire Arm, Add	*171.96*	
		For Gate With Double Barb Wire Arm, Add	*250.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.11*	
		For Aluminized Steel Gate And Post, Add	*750.36*	
		For Powder Coated Gate And Post, Add	*406.45*	
		For 1" Mesh Fabric, Add	*680.02*	
		For 1-1/4" Mesh Fabric, Add	*437.71*	
		For 1-3/4" Mesh Fabric, Add	*272.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-136.00*	
32 31 13 13-0287	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,130.04	84.24
		For Gate With Single Barb Wire Arm, Add	*206.49*	
		For Gate With Double Barb Wire Arm, Add	*300.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-351.96*	
		For Aluminized Steel Gate And Post, Add	*901.03*	
		For Powder Coated Gate And Post, Add	*488.06*	
		For 1" Mesh Fabric, Add	*816.56*	
		For 1-1/4" Mesh Fabric, Add	*525.60*	
		For 1-3/4" Mesh Fabric, Add	*326.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.31*	
32 31 13 13-0288	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,464.99	91.23
		For Gate With Single Barb Wire Arm, Add	*241.01*	
		For Gate With Double Barb Wire Arm, Add	*350.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-410.82*	
		For Aluminized Steel Gate And Post, Add	*1,051.69*	
		For Powder Coated Gate And Post, Add	*569.67*	
		For 1" Mesh Fabric, Add	*953.09*	
		For 1-1/4" Mesh Fabric, Add	*613.49*	
		For 1-3/4" Mesh Fabric, Add	*381.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-190.62*	
32 31 13 13-0289	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,834.98	109.85
		For Gate With Single Barb Wire Arm, Add	*275.54*	
		For Gate With Double Barb Wire Arm, Add	*400.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-469.67*	
		For Aluminized Steel Gate And Post, Add	*1,202.36*	
		For Powder Coated Gate And Post, Add	*651.28*	
		For 1" Mesh Fabric, Add	*1,089.64*	
		For 1-1/4" Mesh Fabric, Add	*701.37*	
		For 1-3/4" Mesh Fabric, Add	*435.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0290	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,166.28	117.74
		For Gate With Single Barb Wire Arm, Add	*309.39*	
		For Gate With Double Barb Wire Arm, Add	*450.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-527.37*	
		For Aluminized Steel Gate And Post, Add	*1,350.06*	
		For Powder Coated Gate And Post, Add	*731.28*	
		For 1" Mesh Fabric, Add	*1,223.49*	
		For 1-1/4" Mesh Fabric, Add	*787.54*	
		For 1-3/4" Mesh Fabric, Add	*489.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-244.70*	
32 31 13 13-0291	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,513.52	126.87
		For Gate With Single Barb Wire Arm, Add	*344.59*	
		For Gate With Double Barb Wire Arm, Add	*501.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-587.38*	
		For Aluminized Steel Gate And Post, Add	*1,503.68*	
		For Powder Coated Gate And Post, Add	*814.49*	
		For 1" Mesh Fabric, Add	*1,362.71*	
		For 1-1/4" Mesh Fabric, Add	*877.15*	
		For 1-3/4" Mesh Fabric, Add	*545.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-272.54*	
32 31 13 13-0292	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,859.14	137.40
		For Gate With Single Barb Wire Arm, Add	*379.12*	
		For Gate With Double Barb Wire Arm, Add	*551.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-646.23*	
		For Aluminized Steel Gate And Post, Add	*1,654.34*	
		For Powder Coated Gate And Post, Add	*896.10*	
		For 1" Mesh Fabric, Add	*1,499.25*	
		For 1-1/4" Mesh Fabric, Add	*965.03*	
		For 1-3/4" Mesh Fabric, Add	*599.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.85*	
32 31 13 13-0293	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,204.37	149.93
		For Gate With Single Barb Wire Arm, Add	*412.97*	
		For Gate With Double Barb Wire Arm, Add	*600.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-703.93*	
		For Aluminized Steel Gate And Post, Add	*1,802.05*	
		For Powder Coated Gate And Post, Add	*976.11*	
		For 1" Mesh Fabric, Add	*1,633.11*	
		For 1-1/4" Mesh Fabric, Add	*1,051.20*	
		For 1-3/4" Mesh Fabric, Add	*653.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.62*	
32 31 13 13-0294	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,569.43	164.93
		For Gate With Single Barb Wire Arm, Add	*448.18*	
		For Gate With Double Barb Wire Arm, Add	*651.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-763.94*	
		For Aluminized Steel Gate And Post, Add	*1,955.67*	
		For Powder Coated Gate And Post, Add	*1,059.32*	
		For 1" Mesh Fabric, Add	*1,772.33*	
		For 1-1/4" Mesh Fabric, Add	*1,140.81*	
		For 1-3/4" Mesh Fabric, Add	*708.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-354.47*	
32 31 13 13-0295	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,934.44	183.19
		For Gate With Single Barb Wire Arm, Add	*482.28*	
		For Gate With Double Barb Wire Arm, Add	*701.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-822.06*	
		For Aluminized Steel Gate And Post, Add	*2,104.47*	
		For Powder Coated Gate And Post, Add	*1,139.92*	
		For 1" Mesh Fabric, Add	*1,907.18*	
		For 1-1/4" Mesh Fabric, Add	*1,227.61*	
		For 1-3/4" Mesh Fabric, Add	*762.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-381.44*	
32 31 13 13-0296	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	5,308.66	206.09
		For Gate With Single Barb Wire Arm, Add	*515.87*	
		For Gate With Double Barb Wire Arm, Add	*750.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-879.33*	
		For Aluminized Steel Gate And Post, Add	*2,251.09*	
		For Powder Coated Gate And Post, Add	*1,219.34*	
		For 1" Mesh Fabric, Add	*2,040.05*	
		For 1-1/4" Mesh Fabric, Add	*1,313.14*	
		For 1-3/4" Mesh Fabric, Add	*816.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-408.01*	

32 31 13 13-0297 6' Fence Height *(32 31 13 13-0256)*

32 31 13 13-0298	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	535.41	39.04
		For Gate With Single Barb Wire Arm, Add	*45.98*	
		For Gate With Double Barb Wire Arm, Add	*66.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.38*	
		For Aluminized Steel Gate And Post, Add	*200.64*	
		For Powder Coated Gate And Post, Add	*108.68*	
		For 1" Mesh Fabric, Add	*181.83*	
		For 1-1/4" Mesh Fabric, Add	*117.04*	
		For 1-3/4" Mesh Fabric, Add	*72.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0299	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	673.88	39.04
		For Gate With Single Barb Wire Arm, Add	*61.21*	
		For Gate With Double Barb Wire Arm, Add	*89.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.34*	
		For Aluminized Steel Gate And Post, Add	*267.11*	
		For Powder Coated Gate And Post, Add	*144.68*	
		For 1" Mesh Fabric, Add	*242.06*	
		For 1-1/4" Mesh Fabric, Add	*155.81*	
		For 1-3/4" Mesh Fabric, Add	*96.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.41*	
32 31 13 13-0300	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	787.04	41.51
		For Gate With Single Barb Wire Arm, Add	*72.86*	
		For Gate With Double Barb Wire Arm, Add	*105.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.20*	
		For Aluminized Steel Gate And Post, Add	*317.94*	
		For Powder Coated Gate And Post, Add	*172.22*	
		For 1" Mesh Fabric, Add	*288.14*	
		For 1-1/4" Mesh Fabric, Add	*185.47*	
		For 1-3/4" Mesh Fabric, Add	*115.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.63*	
32 31 13 13-0301	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	914.87	50.13
		For Gate With Single Barb Wire Arm, Add	*84.06*	
		For Gate With Double Barb Wire Arm, Add	*122.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.29*	
		For Aluminized Steel Gate And Post, Add	*366.81*	
		For Powder Coated Gate And Post, Add	*198.69*	
		For 1" Mesh Fabric, Add	*332.42*	
		For 1-1/4" Mesh Fabric, Add	*213.97*	
		For 1-3/4" Mesh Fabric, Add	*132.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.48*	
32 31 13 13-0302	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,048.61	58.90
		For Gate With Single Barb Wire Arm, Add	*95.91*	
		For Gate With Double Barb Wire Arm, Add	*139.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.48*	
		For Aluminized Steel Gate And Post, Add	*418.51*	
		For Powder Coated Gate And Post, Add	*226.69*	
		For 1" Mesh Fabric, Add	*379.28*	
		For 1-1/4" Mesh Fabric, Add	*244.13*	
		For 1-3/4" Mesh Fabric, Add	*151.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.86*	
32 31 13 13-0303	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,175.83	67.13
		For Gate With Single Barb Wire Arm, Add	*107.19*	
		For Gate With Double Barb Wire Arm, Add	*155.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.71*	
		For Aluminized Steel Gate And Post, Add	*467.75*	
		For Powder Coated Gate And Post, Add	*253.36*	
		For 1" Mesh Fabric, Add	*423.89*	
		For 1-1/4" Mesh Fabric, Add	*272.85*	
		For 1-3/4" Mesh Fabric, Add	*169.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.78*	
32 31 13 13-0304	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,304.44	75.75
		For Gate With Single Barb Wire Arm, Add	*118.48*	
		For Gate With Double Barb Wire Arm, Add	*172.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.95*	
		For Aluminized Steel Gate And Post, Add	*516.98*	
		For Powder Coated Gate And Post, Add	*280.03*	
		For 1" Mesh Fabric, Add	*468.52*	
		For 1-1/4" Mesh Fabric, Add	*301.57*	
		For 1-3/4" Mesh Fabric, Add	*187.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.70*	
32 31 13 13-0305	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,386.87	84.38
		For Gate With Single Barb Wire Arm, Add	*124.68*	
		For Gate With Double Barb Wire Arm, Add	*181.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-212.52*	
		For Aluminized Steel Gate And Post, Add	*544.06*	
		For Powder Coated Gate And Post, Add	*294.70*	
		For 1" Mesh Fabric, Add	*493.06*	
		For 1-1/4" Mesh Fabric, Add	*317.37*	
		For 1-3/4" Mesh Fabric, Add	*197.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-98.61*	
32 31 13 13-0306	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,920.79	84.24
		For Gate With Single Barb Wire Arm, Add	*183.47*	
		For Gate With Double Barb Wire Arm, Add	*266.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-312.73*	
		For Aluminized Steel Gate And Post, Add	*800.59*	
		For Powder Coated Gate And Post, Add	*433.65*	
		For 1" Mesh Fabric, Add	*725.53*	
		For 1-1/4" Mesh Fabric, Add	*467.01*	
		For 1-3/4" Mesh Fabric, Add	*290.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-145.11*	
32 31 13 13-0307	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,274.20	91.23
		For Gate With Single Barb Wire Arm, Add	*220.03*	
		For Gate With Double Barb Wire Arm, Add	*320.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-375.04*	
		For Aluminized Steel Gate And Post, Add	*960.11*	
		For Powder Coated Gate And Post, Add	*520.06*	
		For 1" Mesh Fabric, Add	*870.10*	
		For 1-1/4" Mesh Fabric, Add	*560.06*	
		For 1-3/4" Mesh Fabric, Add	*348.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-174.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0308	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,692.38	117.74
		For Gate With Single Barb Wire Arm, Add	*257.26*	
		For Gate With Double Barb Wire Arm, Add	*374.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-438.51*	
		For Aluminized Steel Gate And Post, Add	*1,122.59*	
		For Powder Coated Gate And Post, Add	*608.07*	
		For 1" Mesh Fabric, Add	*1,017.35*	
		For 1-1/4" Mesh Fabric, Add	*654.84*	
		For 1-3/4" Mesh Fabric, Add	*406.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.47*	
32 31 13 13-0309	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,051.93	126.87
		For Gate With Single Barb Wire Arm, Add	*293.82*	
		For Gate With Double Barb Wire Arm, Add	*427.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.83*	
		For Aluminized Steel Gate And Post, Add	*1,282.12*	
		For Powder Coated Gate And Post, Add	*694.48*	
		For 1" Mesh Fabric, Add	*1,161.92*	
		For 1-1/4" Mesh Fabric, Add	*747.90*	
		For 1-3/4" Mesh Fabric, Add	*464.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.38*	
32 31 13 13-0310	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,422.17	137.40
		For Gate With Single Barb Wire Arm, Add	*331.05*	
		For Gate With Double Barb Wire Arm, Add	*481.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-564.30*	
		For Aluminized Steel Gate And Post, Add	*1,444.60*	
		For Powder Coated Gate And Post, Add	*782.49*	
		For 1" Mesh Fabric, Add	*1,309.17*	
		For 1-1/4" Mesh Fabric, Add	*842.68*	
		For 1-3/4" Mesh Fabric, Add	*523.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-261.83*	
32 31 13 13-0311	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,798.17	149.93
		For Gate With Single Barb Wire Arm, Add	*368.29*	
		For Gate With Double Barb Wire Arm, Add	*535.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.77*	
		For Aluminized Steel Gate And Post, Add	*1,607.08*	
		For Powder Coated Gate And Post, Add	*870.50*	
		For 1" Mesh Fabric, Add	*1,456.41*	
		For 1-1/4" Mesh Fabric, Add	*937.46*	
		For 1-3/4" Mesh Fabric, Add	*582.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.28*	
32 31 13 13-0312	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,175.54	164.93
		For Gate With Single Barb Wire Arm, Add	*404.85*	
		For Gate With Double Barb Wire Arm, Add	*588.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-690.08*	
		For Aluminized Steel Gate And Post, Add	*1,766.61*	
		For Powder Coated Gate And Post, Add	*956.91*	
		For 1" Mesh Fabric, Add	*1,600.99*	
		For 1-1/4" Mesh Fabric, Add	*1,030.52*	
		For 1-3/4" Mesh Fabric, Add	*640.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-320.20*	
32 31 13 13-0313	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,565.97	183.19
		For Gate With Single Barb Wire Arm, Add	*441.74*	
		For Gate With Double Barb Wire Arm, Add	*642.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-752.97*	
		For Aluminized Steel Gate And Post, Add	*1,927.61*	
		For Powder Coated Gate And Post, Add	*1,044.12*	
		For 1" Mesh Fabric, Add	*1,746.89*	
		For 1-1/4" Mesh Fabric, Add	*1,124.44*	
		For 1-3/4" Mesh Fabric, Add	*698.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-349.38*	
32 31 13 13-0314	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,966.47	206.09
		For Gate With Single Barb Wire Arm, Add	*478.23*	
		For Gate With Double Barb Wire Arm, Add	*695.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-815.17*	
		For Aluminized Steel Gate And Post, Add	*2,086.84*	
		For Powder Coated Gate And Post, Add	*1,130.37*	
		For 1" Mesh Fabric, Add	*1,891.20*	
		For 1-1/4" Mesh Fabric, Add	*1,217.32*	
		For 1-3/4" Mesh Fabric, Add	*756.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-378.24*	
32 31 13 13-0315	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,390.92	235.48
		For Gate With Single Barb Wire Arm, Add	*515.20*	
		For Gate With Double Barb Wire Arm, Add	*749.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-878.18*	
		For Aluminized Steel Gate And Post, Add	*2,248.14*	
		For Powder Coated Gate And Post, Add	*1,217.74*	
		For 1" Mesh Fabric, Add	*2,037.37*	
		For 1-1/4" Mesh Fabric, Add	*1,311.41*	
		For 1-3/4" Mesh Fabric, Add	*814.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-407.47*	
32 31 13 13-0316	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,845.46	274.78
		For Gate With Single Barb Wire Arm, Add	*552.23*	
		For Gate With Double Barb Wire Arm, Add	*803.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-941.30*	
		For Aluminized Steel Gate And Post, Add	*2,409.73*	
		For Powder Coated Gate And Post, Add	*1,305.27*	
		For 1" Mesh Fabric, Add	*2,183.82*	
		For 1-1/4" Mesh Fabric, Add	*1,405.68*	
		For 1-3/4" Mesh Fabric, Add	*873.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-436.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0317		7' Fence Height *(32 31 13 13-0256)*		
32 31 13 13-0318	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	562.40	42.05
		For Gate With Single Barb Wire Arm, Add	*47.95*	
		For Gate With Double Barb Wire Arm, Add	*69.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.74*	
		For Aluminized Steel Gate And Post, Add	*209.26*	
		For Powder Coated Gate And Post, Add	*113.35*	
		For 1" Mesh Fabric, Add	*189.64*	
		For 1-1/4" Mesh Fabric, Add	*122.07*	
		For 1-3/4" Mesh Fabric, Add	*75.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.93*	
32 31 13 13-0319	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	706.00	42.05
		For Gate With Single Barb Wire Arm, Add	*63.75*	
		For Gate With Double Barb Wire Arm, Add	*92.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.67*	
		For Aluminized Steel Gate And Post, Add	*278.18*	
		For Powder Coated Gate And Post, Add	*150.68*	
		For 1" Mesh Fabric, Add	*252.10*	
		For 1-1/4" Mesh Fabric, Add	*162.27*	
		For 1-3/4" Mesh Fabric, Add	*100.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.42*	
32 31 13 13-0320	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	828.76	44.24
		For Gate With Single Barb Wire Arm, Add	*76.55*	
		For Gate With Double Barb Wire Arm, Add	*111.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.48*	
		For Aluminized Steel Gate And Post, Add	*334.02*	
		For Powder Coated Gate And Post, Add	*180.93*	
		For 1" Mesh Fabric, Add	*302.71*	
		For 1-1/4" Mesh Fabric, Add	*194.85*	
		For 1-3/4" Mesh Fabric, Add	*121.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.54*	
32 31 13 13-0321	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,015.48	53.83
		For Gate With Single Barb Wire Arm, Add	*93.92*	
		For Gate With Double Barb Wire Arm, Add	*136.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.10*	
		For Aluminized Steel Gate And Post, Add	*409.84*	
		For Powder Coated Gate And Post, Add	*222.00*	
		For 1" Mesh Fabric, Add	*371.42*	
		For 1-1/4" Mesh Fabric, Add	*239.08*	
		For 1-3/4" Mesh Fabric, Add	*148.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.28*	
32 31 13 13-0322	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,200.89	63.01
		For Gate With Single Barb Wire Arm, Add	*111.30*	
		For Gate With Double Barb Wire Arm, Add	*161.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.72*	
		For Aluminized Steel Gate And Post, Add	*485.69*	
		For Powder Coated Gate And Post, Add	*263.08*	
		For 1" Mesh Fabric, Add	*440.16*	
		For 1-1/4" Mesh Fabric, Add	*283.32*	
		For 1-3/4" Mesh Fabric, Add	*176.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.03*	
32 31 13 13-0323	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,387.63	72.47
		For Gate With Single Barb Wire Arm, Add	*128.68*	
		For Gate With Double Barb Wire Arm, Add	*187.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.34*	
		For Aluminized Steel Gate And Post, Add	*561.52*	
		For Powder Coated Gate And Post, Add	*304.16*	
		For 1" Mesh Fabric, Add	*508.88*	
		For 1-1/4" Mesh Fabric, Add	*327.55*	
		For 1-3/4" Mesh Fabric, Add	*203.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-101.78*	
32 31 13 13-0324	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,573.05	81.65
		For Gate With Single Barb Wire Arm, Add	*146.06*	
		For Gate With Double Barb Wire Arm, Add	*212.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.97*	
		For Aluminized Steel Gate And Post, Add	*637.37*	
		For Powder Coated Gate And Post, Add	*345.24*	
		For 1" Mesh Fabric, Add	*577.61*	
		For 1-1/4" Mesh Fabric, Add	*371.80*	
		For 1-3/4" Mesh Fabric, Add	*231.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.52*	
32 31 13 13-0325	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,731.32	91.23
		For Gate With Single Barb Wire Arm, Add	*160.31*	
		For Gate With Double Barb Wire Arm, Add	*233.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-273.25*	
		For Aluminized Steel Gate And Post, Add	*699.53*	
		For Powder Coated Gate And Post, Add	*378.91*	
		For 1" Mesh Fabric, Add	*633.95*	
		For 1-1/4" Mesh Fabric, Add	*408.06*	
		For 1-3/4" Mesh Fabric, Add	*253.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-126.79*	
32 31 13 13-0326	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,186.92	91.23
		For Gate With Single Barb Wire Arm, Add	*210.42*	
		For Gate With Double Barb Wire Arm, Add	*306.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-358.68*	
		For Aluminized Steel Gate And Post, Add	*918.22*	
		For Powder Coated Gate And Post, Add	*497.37*	
		For 1" Mesh Fabric, Add	*832.13*	
		For 1-1/4" Mesh Fabric, Add	*535.63*	
		For 1-3/4" Mesh Fabric, Add	*332.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-166.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0327	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,480.70	117.74
		For Gate With Single Barb Wire Arm, Add	*233.98*	
		For Gate With Double Barb Wire Arm, Add	*340.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-398.82*	
		For Aluminized Steel Gate And Post, Add	*1,020.98*	
		For Powder Coated Gate And Post, Add	*553.03*	
		For 1" Mesh Fabric, Add	*925.27*	
		For 1-1/4" Mesh Fabric, Add	*595.57*	
		For 1-3/4" Mesh Fabric, Add	*370.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-185.05*	
32 31 13 13-0328	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,862.41	126.87
		For Gate With Single Barb Wire Arm, Add	*272.97*	
		For Gate With Double Barb Wire Arm, Add	*397.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-465.29*	
		For Aluminized Steel Gate And Post, Add	*1,191.15*	
		For Powder Coated Gate And Post, Add	*645.21*	
		For 1" Mesh Fabric, Add	*1,079.48*	
		For 1-1/4" Mesh Fabric, Add	*694.84*	
		For 1-3/4" Mesh Fabric, Add	*431.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.90*	
32 31 13 13-0329	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,219.07	137.40
		For Gate With Single Barb Wire Arm, Add	*308.71*	
		For Gate With Double Barb Wire Arm, Add	*449.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-526.22*	
		For Aluminized Steel Gate And Post, Add	*1,347.11*	
		For Powder Coated Gate And Post, Add	*729.68*	
		For 1" Mesh Fabric, Add	*1,220.82*	
		For 1-1/4" Mesh Fabric, Add	*785.81*	
		For 1-3/4" Mesh Fabric, Add	*488.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-244.16*	
32 31 13 13-0330	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,613.53	149.93
		For Gate With Single Barb Wire Arm, Add	*347.98*	
		For Gate With Double Barb Wire Arm, Add	*506.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-593.15*	
		For Aluminized Steel Gate And Post, Add	*1,518.45*	
		For Powder Coated Gate And Post, Add	*822.49*	
		For 1" Mesh Fabric, Add	*1,376.10*	
		For 1-1/4" Mesh Fabric, Add	*885.76*	
		For 1-3/4" Mesh Fabric, Add	*550.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-275.22*	
32 31 13 13-0331	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,009.36	164.93
		For Gate With Single Barb Wire Arm, Add	*386.57*	
		For Gate With Double Barb Wire Arm, Add	*562.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-658.92*	
		For Aluminized Steel Gate And Post, Add	*1,686.84*	
		For Powder Coated Gate And Post, Add	*913.71*	
		For 1" Mesh Fabric, Add	*1,528.70*	
		For 1-1/4" Mesh Fabric, Add	*983.99*	
		For 1-3/4" Mesh Fabric, Add	*611.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-305.74*	
32 31 13 13-0332	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,415.18	183.19
		For Gate With Single Barb Wire Arm, Add	*425.16*	
		For Gate With Double Barb Wire Arm, Add	*618.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-724.70*	
		For Aluminized Steel Gate And Post, Add	*1,855.23*	
		For Powder Coated Gate And Post, Add	*1,004.92*	
		For 1" Mesh Fabric, Add	*1,681.30*	
		For 1-1/4" Mesh Fabric, Add	*1,082.22*	
		For 1-3/4" Mesh Fabric, Add	*672.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.26*	
32 31 13 13-0333	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,834.76	206.09
		For Gate With Single Barb Wire Arm, Add	*463.75*	
		For Gate With Double Barb Wire Arm, Add	*674.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-790.48*	
		For Aluminized Steel Gate And Post, Add	*2,023.62*	
		For Powder Coated Gate And Post, Add	*1,096.13*	
		For 1" Mesh Fabric, Add	*1,833.90*	
		For 1-1/4" Mesh Fabric, Add	*1,180.44*	
		For 1-3/4" Mesh Fabric, Add	*733.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-366.78*	
32 31 13 13-0334	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,273.98	235.48
		For Gate With Single Barb Wire Arm, Add	*502.33*	
		For Gate With Double Barb Wire Arm, Add	*730.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-856.25*	
		For Aluminized Steel Gate And Post, Add	*2,192.01*	
		For Powder Coated Gate And Post, Add	*1,187.34*	
		For 1" Mesh Fabric, Add	*1,986.51*	
		For 1-1/4" Mesh Fabric, Add	*1,278.67*	
		For 1-3/4" Mesh Fabric, Add	*794.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.30*	
32 31 13 13-0335	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,742.68	274.78
		For Gate With Single Barb Wire Arm, Add	*540.92*	
		For Gate With Double Barb Wire Arm, Add	*786.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-922.03*	
		For Aluminized Steel Gate And Post, Add	*2,360.40*	
		For Powder Coated Gate And Post, Add	*1,278.55*	
		For 1" Mesh Fabric, Add	*2,139.11*	
		For 1-1/4" Mesh Fabric, Add	*1,376.90*	
		For 1-3/4" Mesh Fabric, Add	*855.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0336	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	6,258.52	329.71
		For Gate With Single Barb Wire Arm, Add	*579.51*	
		For Gate With Double Barb Wire Arm, Add	*842.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-987.81*	
		For Aluminized Steel Gate And Post, Add	*2,528.78*	
		For Powder Coated Gate And Post, Add	*1,369.76*	
		For 1" Mesh Fabric, Add	*2,291.71*	
		For 1-1/4" Mesh Fabric, Add	*1,475.12*	
		For 1-3/4" Mesh Fabric, Add	*916.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-458.34*	

32 31 13 13-0337 8' Fence Height *(32 31 13 13-0256)*

32 31 13 13-0338	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	657.64	45.62
		For Gate With Single Barb Wire Arm, Add	*57.27*	
		For Gate With Double Barb Wire Arm, Add	*83.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.62*	
		For Aluminized Steel Gate And Post, Add	*249.91*	
		For Powder Coated Gate And Post, Add	*135.37*	
		For 1" Mesh Fabric, Add	*226.48*	
		For 1-1/4" Mesh Fabric, Add	*145.78*	
		For 1-3/4" Mesh Fabric, Add	*90.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.30*	
32 31 13 13-0339	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	831.19	45.62
		For Gate With Single Barb Wire Arm, Add	*76.36*	
		For Gate With Double Barb Wire Arm, Add	*111.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.16*	
		For Aluminized Steel Gate And Post, Add	*333.22*	
		For Powder Coated Gate And Post, Add	*180.49*	
		For 1" Mesh Fabric, Add	*301.98*	
		For 1-1/4" Mesh Fabric, Add	*194.38*	
		For 1-3/4" Mesh Fabric, Add	*120.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.40*	
32 31 13 13-0340	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	969.20	50.82
		For Gate With Single Barb Wire Arm, Add	*89.81*	
		For Gate With Double Barb Wire Arm, Add	*130.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.08*	
		For Aluminized Steel Gate And Post, Add	*391.90*	
		For Powder Coated Gate And Post, Add	*212.28*	
		For 1" Mesh Fabric, Add	*355.16*	
		For 1-1/4" Mesh Fabric, Add	*228.61*	
		For 1-3/4" Mesh Fabric, Add	*142.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.03*	
32 31 13 13-0341	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,111.31	57.53
		For Gate With Single Barb Wire Arm, Add	*103.26*	
		For Gate With Double Barb Wire Arm, Add	*150.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-176.01*	
		For Aluminized Steel Gate And Post, Add	*450.59*	
		For Powder Coated Gate And Post, Add	*244.07*	
		For 1" Mesh Fabric, Add	*408.34*	
		For 1-1/4" Mesh Fabric, Add	*262.84*	
		For 1-3/4" Mesh Fabric, Add	*163.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.67*	
32 31 13 13-0342	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,269.21	69.32
		For Gate With Single Barb Wire Arm, Add	*116.71*	
		For Gate With Double Barb Wire Arm, Add	*169.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.94*	
		For Aluminized Steel Gate And Post, Add	*509.28*	
		For Powder Coated Gate And Post, Add	*275.86*	
		For 1" Mesh Fabric, Add	*461.53*	
		For 1-1/4" Mesh Fabric, Add	*297.08*	
		For 1-3/4" Mesh Fabric, Add	*184.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.31*	
32 31 13 13-0343	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,425.74	80.68
		For Gate With Single Barb Wire Arm, Add	*130.16*	
		For Gate With Double Barb Wire Arm, Add	*189.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-221.86*	
		For Aluminized Steel Gate And Post, Add	*567.97*	
		For Powder Coated Gate And Post, Add	*307.65*	
		For 1" Mesh Fabric, Add	*514.72*	
		For 1-1/4" Mesh Fabric, Add	*331.32*	
		For 1-3/4" Mesh Fabric, Add	*205.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.94*	
32 31 13 13-0344	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,583.62	92.61
		For Gate With Single Barb Wire Arm, Add	*143.61*	
		For Gate With Double Barb Wire Arm, Add	*208.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.79*	
		For Aluminized Steel Gate And Post, Add	*626.66*	
		For Powder Coated Gate And Post, Add	*339.44*	
		For 1" Mesh Fabric, Add	*567.91*	
		For 1-1/4" Mesh Fabric, Add	*365.55*	
		For 1-3/4" Mesh Fabric, Add	*227.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0345	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,741.50	104.52
		For Gate With Single Barb Wire Arm, Add	*157.06*	
		For Gate With Double Barb Wire Arm, Add	*228.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-267.71*	
		For Aluminized Steel Gate And Post, Add	*685.35*	
		For Powder Coated Gate And Post, Add	*371.23*	
		For 1" Mesh Fabric, Add	*621.10*	
		For 1-1/4" Mesh Fabric, Add	*399.79*	
		For 1-3/4" Mesh Fabric, Add	*248.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-124.22*	
32 31 13 13-0346	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,495.39	117.74
		For Gate With Single Barb Wire Arm, Add	*235.59*	
		For Gate With Double Barb Wire Arm, Add	*342.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-401.58*	
		For Aluminized Steel Gate And Post, Add	*1,028.04*	
		For Powder Coated Gate And Post, Add	*556.85*	
		For 1" Mesh Fabric, Add	*931.66*	
		For 1-1/4" Mesh Fabric, Add	*599.69*	
		For 1-3/4" Mesh Fabric, Add	*372.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-186.33*	
32 31 13 13-0347	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,934.99	126.87
		For Gate With Single Barb Wire Arm, Add	*280.96*	
		For Gate With Double Barb Wire Arm, Add	*408.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-478.90*	
		For Aluminized Steel Gate And Post, Add	*1,225.99*	
		For Powder Coated Gate And Post, Add	*664.08*	
		For 1" Mesh Fabric, Add	*1,111.05*	
		For 1-1/4" Mesh Fabric, Add	*715.16*	
		For 1-3/4" Mesh Fabric, Add	*444.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-222.21*	
32 31 13 13-0348	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,385.24	137.40
		For Gate With Single Barb Wire Arm, Add	*326.99*	
		For Gate With Double Barb Wire Arm, Add	*475.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.37*	
		For Aluminized Steel Gate And Post, Add	*1,426.87*	
		For Powder Coated Gate And Post, Add	*772.89*	
		For 1" Mesh Fabric, Add	*1,293.10*	
		For 1-1/4" Mesh Fabric, Add	*832.34*	
		For 1-3/4" Mesh Fabric, Add	*517.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.62*	
32 31 13 13-0349	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,853.56	149.93
		For Gate With Single Barb Wire Arm, Add	*374.38*	
		For Gate With Double Barb Wire Arm, Add	*544.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-638.15*	
		For Aluminized Steel Gate And Post, Add	*1,633.67*	
		For Powder Coated Gate And Post, Add	*884.90*	
		For 1" Mesh Fabric, Add	*1,480.51*	
		For 1-1/4" Mesh Fabric, Add	*952.97*	
		For 1-3/4" Mesh Fabric, Add	*592.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-296.10*	
32 31 13 13-0350	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,329.40	164.93
		For Gate With Single Barb Wire Arm, Add	*421.77*	
		For Gate With Double Barb Wire Arm, Add	*613.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-718.93*	
		For Aluminized Steel Gate And Post, Add	*1,840.46*	
		For Powder Coated Gate And Post, Add	*996.92*	
		For 1" Mesh Fabric, Add	*1,667.92*	
		For 1-1/4" Mesh Fabric, Add	*1,073.60*	
		For 1-3/4" Mesh Fabric, Add	*667.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-333.58*	
32 31 13 13-0351	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,809.08	183.19
		For Gate With Single Barb Wire Arm, Add	*468.49*	
		For Gate With Double Barb Wire Arm, Add	*681.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-798.56*	
		For Aluminized Steel Gate And Post, Add	*2,044.30*	
		For Powder Coated Gate And Post, Add	*1,107.33*	
		For 1" Mesh Fabric, Add	*1,852.65*	
		For 1-1/4" Mesh Fabric, Add	*1,192.51*	
		For 1-3/4" Mesh Fabric, Add	*741.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.53*	
32 31 13 13-0352	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,296.36	206.09
		For Gate With Single Barb Wire Arm, Add	*514.52*	
		For Gate With Double Barb Wire Arm, Add	*748.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-877.03*	
		For Aluminized Steel Gate And Post, Add	*2,245.19*	
		For Powder Coated Gate And Post, Add	*1,216.14*	
		For 1" Mesh Fabric, Add	*2,034.70*	
		For 1-1/4" Mesh Fabric, Add	*1,309.69*	
		For 1-3/4" Mesh Fabric, Add	*813.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-406.94*	
32 31 13 13-0353	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,815.58	235.48
		For Gate With Single Barb Wire Arm, Add	*561.91*	
		For Gate With Double Barb Wire Arm, Add	*817.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-957.80*	
		For Aluminized Steel Gate And Post, Add	*2,451.97*	
		For Powder Coated Gate And Post, Add	*1,328.15*	
		For 1" Mesh Fabric, Add	*2,222.10*	
		For 1-1/4" Mesh Fabric, Add	*1,430.32*	
		For 1-3/4" Mesh Fabric, Add	*888.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-444.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0354	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,364.29	274.78
		For Gate With Single Barb Wire Arm, Add	*609.30*	
		For Gate With Double Barb Wire Arm, Add	*886.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,038.58*	
		For Aluminized Steel Gate And Post, Add	*2,658.77*	
		For Powder Coated Gate And Post, Add	*1,440.17*	
		For 1" Mesh Fabric, Add	*2,409.51*	
		For 1-1/4" Mesh Fabric, Add	*1,550.95*	
		For 1-3/4" Mesh Fabric, Add	*963.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-481.90*	
32 31 13 13-0355	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,953.99	329.71
		For Gate With Single Barb Wire Arm, Add	*656.01*	
		For Gate With Double Barb Wire Arm, Add	*954.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,118.21*	
		For Aluminized Steel Gate And Post, Add	*2,862.61*	
		For Powder Coated Gate And Post, Add	*1,550.58*	
		For 1" Mesh Fabric, Add	*2,594.24*	
		For 1-1/4" Mesh Fabric, Add	*1,669.86*	
		For 1-3/4" Mesh Fabric, Add	*1,037.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-518.85*	
32 31 13 13-0356	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	7,626.20	412.18
		For Gate With Single Barb Wire Arm, Add	*702.73*	
		For Gate With Double Barb Wire Arm, Add	*1,022.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,197.83*	
		For Aluminized Steel Gate And Post, Add	*3,066.45*	
		For Powder Coated Gate And Post, Add	*1,660.99*	
		For 1" Mesh Fabric, Add	*2,778.97*	
		For 1-1/4" Mesh Fabric, Add	*1,788.76*	
		For 1-3/4" Mesh Fabric, Add	*1,111.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-555.79*	

32 31 13 13-0357 10' Fence Height *(32 31 13 13-0256)*

32 31 13 13-0358	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	825.47	50.69
		For Gate With Single Barb Wire Arm, Add	*74.06*	
		For Gate With Double Barb Wire Arm, Add	*107.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.24*	
		For Aluminized Steel Gate And Post, Add	*323.17*	
		For Powder Coated Gate And Post, Add	*175.05*	
		For 1" Mesh Fabric, Add	*292.87*	
		For 1-1/4" Mesh Fabric, Add	*188.52*	
		For 1-3/4" Mesh Fabric, Add	*117.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.57*	
32 31 13 13-0359	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,049.89	50.69
		For Gate With Single Barb Wire Arm, Add	*98.75*	
		For Gate With Double Barb Wire Arm, Add	*143.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.32*	
		For Aluminized Steel Gate And Post, Add	*430.89*	
		For Powder Coated Gate And Post, Add	*233.40*	
		For 1" Mesh Fabric, Add	*390.50*	
		For 1-1/4" Mesh Fabric, Add	*251.35*	
		For 1-3/4" Mesh Fabric, Add	*156.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-78.10*	
32 31 13 13-0360	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,214.71	52.88
		For Gate With Single Barb Wire Arm, Add	*116.14*	
		For Gate With Double Barb Wire Arm, Add	*168.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.96*	
		For Aluminized Steel Gate And Post, Add	*506.79*	
		For Powder Coated Gate And Post, Add	*274.51*	
		For 1" Mesh Fabric, Add	*459.28*	
		For 1-1/4" Mesh Fabric, Add	*295.63*	
		For 1-3/4" Mesh Fabric, Add	*183.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.86*	
32 31 13 13-0361	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,411.19	65.75
		For Gate With Single Barb Wire Arm, Add	*133.53*	
		For Gate With Double Barb Wire Arm, Add	*194.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.61*	
		For Aluminized Steel Gate And Post, Add	*582.69*	
		For Powder Coated Gate And Post, Add	*315.62*	
		For 1" Mesh Fabric, Add	*528.06*	
		For 1-1/4" Mesh Fabric, Add	*339.90*	
		For 1-3/4" Mesh Fabric, Add	*211.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.61*	
32 31 13 13-0362	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,606.84	77.95
		For Gate With Single Barb Wire Arm, Add	*150.92*	
		For Gate With Double Barb Wire Arm, Add	*219.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.25*	
		For Aluminized Steel Gate And Post, Add	*658.56*	
		For Powder Coated Gate And Post, Add	*356.72*	
		For 1" Mesh Fabric, Add	*596.82*	
		For 1-1/4" Mesh Fabric, Add	*384.16*	
		For 1-3/4" Mesh Fabric, Add	*238.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0363	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,802.72	90.82
		For Gate With Single Barb Wire Arm, Add	*168.31*	
		For Gate With Double Barb Wire Arm, Add	*244.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.90*	
		For Aluminized Steel Gate And Post, Add	*734.46*	
		For Powder Coated Gate And Post, Add	*397.83*	
		For 1" Mesh Fabric, Add	*665.61*	
		For 1-1/4" Mesh Fabric, Add	*428.44*	
		For 1-3/4" Mesh Fabric, Add	*266.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.12*	
32 31 13 13-0364	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,997.82	103.15
		For Gate With Single Barb Wire Arm, Add	*185.71*	
		For Gate With Double Barb Wire Arm, Add	*270.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-316.55*	
		For Aluminized Steel Gate And Post, Add	*810.36*	
		For Powder Coated Gate And Post, Add	*438.95*	
		For 1" Mesh Fabric, Add	*734.39*	
		For 1-1/4" Mesh Fabric, Add	*472.71*	
		For 1-3/4" Mesh Fabric, Add	*293.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.88*	
32 31 13 13-0365	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	2,194.31	115.89
		For Gate With Single Barb Wire Arm, Add	*203.10*	
		For Gate With Double Barb Wire Arm, Add	*295.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-346.19*	
		For Aluminized Steel Gate And Post, Add	*886.26*	
		For Powder Coated Gate And Post, Add	*480.06*	
		For 1" Mesh Fabric, Add	*803.17*	
		For 1-1/4" Mesh Fabric, Add	*516.98*	
		For 1-3/4" Mesh Fabric, Add	*321.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.63*	
32 31 13 13-0366	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,162.47	130.89
		For Gate With Single Barb Wire Arm, Add	*304.65*	
		For Gate With Double Barb Wire Arm, Add	*443.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.29*	
		For Aluminized Steel Gate And Post, Add	*1,329.37*	
		For Powder Coated Gate And Post, Add	*720.08*	
		For 1" Mesh Fabric, Add	*1,204.75*	
		For 1-1/4" Mesh Fabric, Add	*775.47*	
		For 1-3/4" Mesh Fabric, Add	*481.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.95*	
32 31 13 13-0367	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,438.80	140.80
		For Gate With Single Barb Wire Arm, Add	*331.74*	
		For Gate With Double Barb Wire Arm, Add	*482.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-565.46*	
		For Aluminized Steel Gate And Post, Add	*1,447.57*	
		For Powder Coated Gate And Post, Add	*784.10*	
		For 1" Mesh Fabric, Add	*1,311.86*	
		For 1-1/4" Mesh Fabric, Add	*844.42*	
		For 1-3/4" Mesh Fabric, Add	*524.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.37*	
32 31 13 13-0368	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,917.29	152.71
		For Gate With Single Barb Wire Arm, Add	*380.47*	
		For Gate With Double Barb Wire Arm, Add	*553.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-648.54*	
		For Aluminized Steel Gate And Post, Add	*1,660.25*	
		For Powder Coated Gate And Post, Add	*899.30*	
		For 1" Mesh Fabric, Add	*1,504.60*	
		For 1-1/4" Mesh Fabric, Add	*968.48*	
		For 1-3/4" Mesh Fabric, Add	*601.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-300.92*	
32 31 13 13-0369	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,451.14	166.48
		For Gate With Single Barb Wire Arm, Add	*434.64*	
		For Gate With Double Barb Wire Arm, Add	*632.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-740.86*	
		For Aluminized Steel Gate And Post, Add	*1,896.59*	
		For Powder Coated Gate And Post, Add	*1,027.32*	
		For 1" Mesh Fabric, Add	*1,718.79*	
		For 1-1/4" Mesh Fabric, Add	*1,106.34*	
		For 1-3/4" Mesh Fabric, Add	*687.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-343.76*	
32 31 13 13-0370	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,993.71	183.19
		For Gate With Single Barb Wire Arm, Add	*488.79*	
		For Gate With Double Barb Wire Arm, Add	*710.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-833.17*	
		For Aluminized Steel Gate And Post, Add	*2,132.92*	
		For Powder Coated Gate And Post, Add	*1,155.33*	
		For 1" Mesh Fabric, Add	*1,932.96*	
		For 1-1/4" Mesh Fabric, Add	*1,244.21*	
		For 1-3/4" Mesh Fabric, Add	*773.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-386.59*	
32 31 13 13-0371	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,549.98	203.46
		For Gate With Single Barb Wire Arm, Add	*543.29*	
		For Gate With Double Barb Wire Arm, Add	*790.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-926.07*	
		For Aluminized Steel Gate And Post, Add	*2,370.73*	
		For Powder Coated Gate And Post, Add	*1,284.15*	
		For 1" Mesh Fabric, Add	*2,148.48*	
		For 1-1/4" Mesh Fabric, Add	*1,382.93*	
		For 1-3/4" Mesh Fabric, Add	*859.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-429.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0372	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,122.13	228.99
		For Gate With Single Barb Wire Arm, Add	*597.79*	
		For Gate With Double Barb Wire Arm, Add	*869.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,018.97*	
		For Aluminized Steel Gate And Post, Add	*2,608.55*	
		For Powder Coated Gate And Post, Add	*1,412.96*	
		For 1" Mesh Fabric, Add	*2,364.00*	
		For 1-1/4" Mesh Fabric, Add	*1,521.65*	
		For 1-3/4" Mesh Fabric, Add	*945.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-472.80*	
32 31 13 13-0373	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,712.22	261.48
		For Gate With Single Barb Wire Arm, Add	*651.95*	
		For Gate With Double Barb Wire Arm, Add	*948.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,111.28*	
		For Aluminized Steel Gate And Post, Add	*2,844.88*	
		For Powder Coated Gate And Post, Add	*1,540.98*	
		For 1" Mesh Fabric, Add	*2,578.18*	
		For 1-1/4" Mesh Fabric, Add	*1,659.52*	
		For 1-3/4" Mesh Fabric, Add	*1,031.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.64*	
32 31 13 13-0374	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,336.08	305.27
		For Gate With Single Barb Wire Arm, Add	*706.11*	
		For Gate With Double Barb Wire Arm, Add	*1,027.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,203.60*	
		For Aluminized Steel Gate And Post, Add	*3,081.22*	
		For Powder Coated Gate And Post, Add	*1,668.99*	
		For 1" Mesh Fabric, Add	*2,792.36*	
		For 1-1/4" Mesh Fabric, Add	*1,797.38*	
		For 1-3/4" Mesh Fabric, Add	*1,116.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-558.47*	
32 31 13 13-0375	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,010.84	366.07
		For Gate With Single Barb Wire Arm, Add	*760.27*	
		For Gate With Double Barb Wire Arm, Add	*1,105.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,295.92*	
		For Aluminized Steel Gate And Post, Add	*3,317.55*	
		For Powder Coated Gate And Post, Add	*1,797.01*	
		For 1" Mesh Fabric, Add	*3,006.53*	
		For 1-1/4" Mesh Fabric, Add	*1,935.24*	
		For 1-3/4" Mesh Fabric, Add	*1,202.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-601.31*	
32 31 13 13-0376	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,785.39	457.97
		For Gate With Single Barb Wire Arm, Add	*815.11*	
		For Gate With Double Barb Wire Arm, Add	*1,185.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,389.39*	
		For Aluminized Steel Gate And Post, Add	*3,556.84*	
		For Powder Coated Gate And Post, Add	*1,926.62*	
		For 1" Mesh Fabric, Add	*3,223.39*	
		For 1-1/4" Mesh Fabric, Add	*2,074.83*	
		For 1-3/4" Mesh Fabric, Add	*1,289.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-644.68*	
32 31 13 13-0377		**12' Fence Height** *(32 31 13 13-0256)*		
32 31 13 13-0378	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,030.91	56.30
		For Gate With Single Barb Wire Arm, Add	*94.80*	
		For Gate With Double Barb Wire Arm, Add	*137.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.59*	
		For Aluminized Steel Gate And Post, Add	*413.66*	
		For Powder Coated Gate And Post, Add	*224.07*	
		For 1" Mesh Fabric, Add	*374.88*	
		For 1-1/4" Mesh Fabric, Add	*241.30*	
		For 1-3/4" Mesh Fabric, Add	*149.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.98*	
32 31 13 13-0379	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,318.15	56.30
		For Gate With Single Barb Wire Arm, Add	*126.39*	
		For Gate With Double Barb Wire Arm, Add	*183.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.44*	
		For Aluminized Steel Gate And Post, Add	*551.53*	
		For Powder Coated Gate And Post, Add	*298.75*	
		For 1" Mesh Fabric, Add	*499.83*	
		For 1-1/4" Mesh Fabric, Add	*321.73*	
		For 1-3/4" Mesh Fabric, Add	*199.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.97*	
32 31 13 13-0380	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,526.78	58.36
		For Gate With Single Barb Wire Arm, Add	*148.66*	
		For Gate With Double Barb Wire Arm, Add	*216.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.40*	
		For Aluminized Steel Gate And Post, Add	*648.69*	
		For Powder Coated Gate And Post, Add	*351.37*	
		For 1" Mesh Fabric, Add	*587.88*	
		For 1-1/4" Mesh Fabric, Add	*378.40*	
		For 1-3/4" Mesh Fabric, Add	*235.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0381	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,771.62	72.47
		For Gate With Single Barb Wire Arm, Add	*170.92*	
		For Gate With Double Barb Wire Arm, Add	*248.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.34*	
		For Aluminized Steel Gate And Post, Add	*745.83*	
		For Powder Coated Gate And Post, Add	*403.99*	
		For 1" Mesh Fabric, Add	*675.91*	
		For 1-1/4" Mesh Fabric, Add	*435.07*	
		For 1-3/4" Mesh Fabric, Add	*270.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.18*	
32 31 13 13-0382	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	755.03	86.71
		For Gate With Single Barb Wire Arm, Add	*54.42*	
		For Gate With Double Barb Wire Arm, Add	*79.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.77*	
		For Aluminized Steel Gate And Post, Add	*237.48*	
		For Powder Coated Gate And Post, Add	*128.64*	
		For 1" Mesh Fabric, Add	*215.22*	
		For 1-1/4" Mesh Fabric, Add	*138.53*	
		For 1-3/4" Mesh Fabric, Add	*86.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.04*	
32 31 13 13-0383	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	853.14	100.41
		For Gate With Single Barb Wire Arm, Add	*60.69*	
		For Gate With Double Barb Wire Arm, Add	*88.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-103.46*	
		For Aluminized Steel Gate And Post, Add	*264.84*	
		For Powder Coated Gate And Post, Add	*143.46*	
		For 1" Mesh Fabric, Add	*240.02*	
		For 1-1/4" Mesh Fabric, Add	*154.49*	
		For 1-3/4" Mesh Fabric, Add	*96.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.00*	
32 31 13 13-0384	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	952.62	114.52
		For Gate With Single Barb Wire Arm, Add	*66.97*	
		For Gate With Double Barb Wire Arm, Add	*97.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.15*	
		For Aluminized Steel Gate And Post, Add	*292.21*	
		For Powder Coated Gate And Post, Add	*158.28*	
		For 1" Mesh Fabric, Add	*264.82*	
		For 1-1/4" Mesh Fabric, Add	*170.46*	
		For 1-3/4" Mesh Fabric, Add	*105.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.96*	
32 31 13 13-0385	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,052.11	128.63
		For Gate With Single Barb Wire Arm, Add	*73.24*	
		For Gate With Double Barb Wire Arm, Add	*106.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.84*	
		For Aluminized Steel Gate And Post, Add	*319.58*	
		For Powder Coated Gate And Post, Add	*173.11*	
		For 1" Mesh Fabric, Add	*289.62*	
		For 1-1/4" Mesh Fabric, Add	*186.42*	
		For 1-3/4" Mesh Fabric, Add	*115.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.92*	
32 31 13 13-0386	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,364.23	145.44
		For Gate With Single Barb Wire Arm, Add	*102.04*	
		For Gate With Double Barb Wire Arm, Add	*148.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-173.93*	
		For Aluminized Steel Gate And Post, Add	*445.26*	
		For Powder Coated Gate And Post, Add	*241.18*	
		For 1" Mesh Fabric, Add	*403.52*	
		For 1-1/4" Mesh Fabric, Add	*259.74*	
		For 1-3/4" Mesh Fabric, Add	*161.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.70*	
32 31 13 13-0387	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,489.44	156.58
		For Gate With Single Barb Wire Arm, Add	*112.15*	
		For Gate With Double Barb Wire Arm, Add	*163.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-191.16*	
		For Aluminized Steel Gate And Post, Add	*489.37*	
		For Powder Coated Gate And Post, Add	*265.08*	
		For 1" Mesh Fabric, Add	*443.49*	
		For 1-1/4" Mesh Fabric, Add	*285.47*	
		For 1-3/4" Mesh Fabric, Add	*177.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.70*	
32 31 13 13-0388	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,678.01	169.57
		For Gate With Single Barb Wire Arm, Add	*128.55*	
		For Gate With Double Barb Wire Arm, Add	*186.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.12*	
		For Aluminized Steel Gate And Post, Add	*560.95*	
		For Powder Coated Gate And Post, Add	*303.85*	
		For 1" Mesh Fabric, Add	*508.36*	
		For 1-1/4" Mesh Fabric, Add	*327.22*	
		For 1-3/4" Mesh Fabric, Add	*203.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-101.67*	
32 31 13 13-0389	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,890.65	184.89
		For Gate With Single Barb Wire Arm, Add	*146.86*	
		For Gate With Double Barb Wire Arm, Add	*213.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.33*	
		For Aluminized Steel Gate And Post, Add	*640.84*	
		For Powder Coated Gate And Post, Add	*347.12*	
		For 1" Mesh Fabric, Add	*580.76*	
		For 1-1/4" Mesh Fabric, Add	*373.83*	
		For 1-3/4" Mesh Fabric, Add	*232.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0390	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,940.80	203.62
		For Gate With Single Barb Wire Arm, Add	*586.28*	
		For Gate With Double Barb Wire Arm, Add	*852.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-999.35*	
		For Aluminized Steel Gate And Post, Add	*2,558.33*	
		For Powder Coated Gate And Post, Add	*1,385.76*	
		For 1" Mesh Fabric, Add	*2,318.48*	
		For 1-1/4" Mesh Fabric, Add	*1,492.36*	
		For 1-3/4" Mesh Fabric, Add	*927.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-463.70*	
32 31 13 13-0391	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,605.44	226.05
		For Gate With Single Barb Wire Arm, Add	*651.95*	
		For Gate With Double Barb Wire Arm, Add	*948.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,111.28*	
		For Aluminized Steel Gate And Post, Add	*2,844.88*	
		For Powder Coated Gate And Post, Add	*1,540.98*	
		For 1" Mesh Fabric, Add	*2,578.18*	
		For 1-1/4" Mesh Fabric, Add	*1,659.52*	
		For 1-3/4" Mesh Fabric, Add	*1,031.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.64*	
32 31 13 13-0392	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,281.74	254.36
		For Gate With Single Barb Wire Arm, Add	*716.94*	
		For Gate With Double Barb Wire Arm, Add	*1,042.83*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,222.07*	
		For Aluminized Steel Gate And Post, Add	*3,128.49*	
		For Powder Coated Gate And Post, Add	*1,694.60*	
		For 1" Mesh Fabric, Add	*2,835.19*	
		For 1-1/4" Mesh Fabric, Add	*1,824.95*	
		For 1-3/4" Mesh Fabric, Add	*1,134.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-567.04*	
32 31 13 13-0393	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,987.32	290.57
		For Gate With Single Barb Wire Arm, Add	*782.61*	
		For Gate With Double Barb Wire Arm, Add	*1,138.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,334.00*	
		For Aluminized Steel Gate And Post, Add	*3,415.04*	
		For Powder Coated Gate And Post, Add	*1,849.81*	
		For 1" Mesh Fabric, Add	*3,094.88*	
		For 1-1/4" Mesh Fabric, Add	*1,992.11*	
		For 1-3/4" Mesh Fabric, Add	*1,237.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-618.98*	
32 31 13 13-0394	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,718.09	339.30
		For Gate With Single Barb Wire Arm, Add	*846.93*	
		For Gate With Double Barb Wire Arm, Add	*1,231.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,443.63*	
		For Aluminized Steel Gate And Post, Add	*3,695.69*	
		For Powder Coated Gate And Post, Add	*2,001.83*	
		For 1" Mesh Fabric, Add	*3,349.22*	
		For 1-1/4" Mesh Fabric, Add	*2,155.82*	
		For 1-3/4" Mesh Fabric, Add	*1,339.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-669.84*	
32 31 13 13-0395	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,511.60	406.76
		For Gate With Single Barb Wire Arm, Add	*911.92*	
		For Gate With Double Barb Wire Arm, Add	*1,326.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,554.41*	
		For Aluminized Steel Gate And Post, Add	*3,979.29*	
		For Powder Coated Gate And Post, Add	*2,155.45*	
		For 1" Mesh Fabric, Add	*3,606.23*	
		For 1-1/4" Mesh Fabric, Add	*2,321.25*	
		For 1-3/4" Mesh Fabric, Add	*1,442.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-721.25*	
32 31 13 13-0396	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	10,415.29	508.88
		For Gate With Single Barb Wire Arm, Add	*977.59*	
		For Gate With Double Barb Wire Arm, Add	*1,421.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,666.35*	
		For Aluminized Steel Gate And Post, Add	*4,265.85*	
		For Powder Coated Gate And Post, Add	*2,310.67*	
		For 1" Mesh Fabric, Add	*3,865.92*	
		For 1-1/4" Mesh Fabric, Add	*2,488.41*	
		For 1-3/4" Mesh Fabric, Add	*1,546.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-773.18*	

32 31 13 13-0397 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0255)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0398 4' Fence Height *(32 31 13 13-0397)*

32 31 13 13-0399	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	218.44	34.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-21.69*	
		For 1" Mesh Fabric, Add	*50.33*	
		For 1-1/4" Mesh Fabric, Add	*32.40*	
		For 1-3/4" Mesh Fabric, Add	*20.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-10.07*	
		For Gate With Single Barb Wire Arm, Add	*12.73*	
		For Gate With Double Barb Wire Arm, Add	*18.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0400	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	257.00	34.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.92*	
		For 1" Mesh Fabric, Add	*67.10*	
		For 1-1/4" Mesh Fabric, Add	*43.19*	
		For 1-3/4" Mesh Fabric, Add	*26.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.42*	
		For Gate With Single Barb Wire Arm, Add	*16.97*	
		For Gate With Double Barb Wire Arm, Add	*24.68*	
32 31 13 13-0401	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	296.00	36.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.95*	
		For 1" Mesh Fabric, Add	*81.09*	
		For 1-1/4" Mesh Fabric, Add	*52.19*	
		For 1-3/4" Mesh Fabric, Add	*32.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.22*	
		For Gate With Single Barb Wire Arm, Add	*20.51*	
		For Gate With Double Barb Wire Arm, Add	*29.83*	
32 31 13 13-0402	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	350.05	43.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.98*	
		For 1" Mesh Fabric, Add	*95.06*	
		For 1-1/4" Mesh Fabric, Add	*61.19*	
		For 1-3/4" Mesh Fabric, Add	*38.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.01*	
		For Gate With Single Barb Wire Arm, Add	*24.04*	
		For Gate With Double Barb Wire Arm, Add	*34.97*	
32 31 13 13-0403	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	404.10	51.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-47.00*	
		For 1" Mesh Fabric, Add	*109.05*	
		For 1-1/4" Mesh Fabric, Add	*70.19*	
		For 1-3/4" Mesh Fabric, Add	*43.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.81*	
		For Gate With Single Barb Wire Arm, Add	*27.57*	
		For Gate With Double Barb Wire Arm, Add	*40.11*	
32 31 13 13-0404	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	458.16	58.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.03*	
		For 1" Mesh Fabric, Add	*123.03*	
		For 1-1/4" Mesh Fabric, Add	*79.19*	
		For 1-3/4" Mesh Fabric, Add	*49.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.61*	
		For Gate With Single Barb Wire Arm, Add	*31.11*	
		For Gate With Double Barb Wire Arm, Add	*45.25*	
32 31 13 13-0405	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	512.22	65.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.06*	
		For 1" Mesh Fabric, Add	*137.01*	
		For 1-1/4" Mesh Fabric, Add	*88.19*	
		For 1-3/4" Mesh Fabric, Add	*54.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.40*	
		For Gate With Single Barb Wire Arm, Add	*34.65*	
		For Gate With Double Barb Wire Arm, Add	*50.39*	
32 31 13 13-0406	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	566.27	73.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-65.08*	
		For 1" Mesh Fabric, Add	*150.98*	
		For 1-1/4" Mesh Fabric, Add	*97.19*	
		For 1-3/4" Mesh Fabric, Add	*60.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.20*	
		For Gate With Single Barb Wire Arm, Add	*38.18*	
		For Gate With Double Barb Wire Arm, Add	*55.53*	
32 31 13 13-0407	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	681.98	73.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.78*	
		For 1" Mesh Fabric, Add	*201.32*	
		For 1-1/4" Mesh Fabric, Add	*129.58*	
		For 1-3/4" Mesh Fabric, Add	*80.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.26*	
		For Gate With Single Barb Wire Arm, Add	*50.91*	
		For Gate With Double Barb Wire Arm, Add	*74.05*	
32 31 13 13-0408	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	790.18	78.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.13*	
		For 1" Mesh Fabric, Add	*241.58*	
		For 1-1/4" Mesh Fabric, Add	*155.50*	
		For 1-3/4" Mesh Fabric, Add	*96.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.32*	
		For Gate With Single Barb Wire Arm, Add	*61.09*	
		For Gate With Double Barb Wire Arm, Add	*88.86*	
32 31 13 13-0409	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	900.81	84.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-121.48*	
		For 1" Mesh Fabric, Add	*281.84*	
		For 1-1/4" Mesh Fabric, Add	*181.41*	
		For 1-3/4" Mesh Fabric, Add	*112.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.37*	
		For Gate With Single Barb Wire Arm, Add	*71.27*	
		For Gate With Double Barb Wire Arm, Add	*103.67*	
32 31 13 13-0410	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,014.44	91.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-138.84*	
		For 1" Mesh Fabric, Add	*322.10*	
		For 1-1/4" Mesh Fabric, Add	*207.33*	
		For 1-3/4" Mesh Fabric, Add	*128.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.42*	
		For Gate With Single Barb Wire Arm, Add	*81.45*	
		For Gate With Double Barb Wire Arm, Add	*118.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0411	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,163.10	109.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-156.19*	
		For 1" Mesh Fabric, Add	*362.37*	
		For 1-1/4" Mesh Fabric, Add	*233.25*	
		For 1-3/4" Mesh Fabric, Add	*144.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.47*	
		For Gate With Single Barb Wire Arm, Add	*91.63*	
		For Gate With Double Barb Wire Arm, Add	*133.28*	
32 31 13 13-0412	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,279.24	117.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-173.55*	
		For 1" Mesh Fabric, Add	*402.63*	
		For 1-1/4" Mesh Fabric, Add	*259.17*	
		For 1-3/4" Mesh Fabric, Add	*161.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.53*	
		For Gate With Single Barb Wire Arm, Add	*101.81*	
		For Gate With Double Barb Wire Arm, Add	*148.09*	
32 31 13 13-0413	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,399.00	126.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.90*	
		For 1" Mesh Fabric, Add	*442.90*	
		For 1-1/4" Mesh Fabric, Add	*285.08*	
		For 1-3/4" Mesh Fabric, Add	*177.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.58*	
		For Gate With Single Barb Wire Arm, Add	*112.00*	
		For Gate With Double Barb Wire Arm, Add	*162.90*	
32 31 13 13-0414	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,523.30	137.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.26*	
		For 1" Mesh Fabric, Add	*483.16*	
		For 1-1/4" Mesh Fabric, Add	*311.00*	
		For 1-3/4" Mesh Fabric, Add	*193.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.63*	
		For Gate With Single Barb Wire Arm, Add	*122.18*	
		For Gate With Double Barb Wire Arm, Add	*177.71*	
32 31 13 13-0415	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,653.36	149.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-225.61*	
		For 1" Mesh Fabric, Add	*523.42*	
		For 1-1/4" Mesh Fabric, Add	*336.92*	
		For 1-3/4" Mesh Fabric, Add	*209.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.68*	
		For Gate With Single Barb Wire Arm, Add	*132.36*	
		For Gate With Double Barb Wire Arm, Add	*192.52*	
32 31 13 13-0416	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,790.94	164.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-242.97*	
		For 1" Mesh Fabric, Add	*563.69*	
		For 1-1/4" Mesh Fabric, Add	*362.83*	
		For 1-3/4" Mesh Fabric, Add	*225.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.74*	
		For Gate With Single Barb Wire Arm, Add	*142.54*	
		For Gate With Double Barb Wire Arm, Add	*207.33*	
32 31 13 13-0417	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,938.51	183.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-260.32*	
		For 1" Mesh Fabric, Add	*603.95*	
		For 1-1/4" Mesh Fabric, Add	*388.75*	
		For 1-3/4" Mesh Fabric, Add	*241.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.79*	
		For Gate With Single Barb Wire Arm, Add	*152.72*	
		For Gate With Double Barb Wire Arm, Add	*222.14*	

32 31 13 13-0418 5' Fence Height *(32 31 13 13-0397)*

32 31 13 13-0419	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	252.96	36.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.88*	
		For 1" Mesh Fabric, Add	*62.37*	
		For 1-1/4" Mesh Fabric, Add	*40.14*	
		For 1-3/4" Mesh Fabric, Add	*24.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.47*	
		For Gate With Single Barb Wire Arm, Add	*15.77*	
		For Gate With Double Barb Wire Arm, Add	*22.94*	
32 31 13 13-0420	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	300.75	36.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.84*	
		For 1" Mesh Fabric, Add	*83.15*	
		For 1-1/4" Mesh Fabric, Add	*53.52*	
		For 1-3/4" Mesh Fabric, Add	*33.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.63*	
		For Gate With Single Barb Wire Arm, Add	*21.03*	
		For Gate With Double Barb Wire Arm, Add	*30.59*	
32 31 13 13-0421	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	343.45	38.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.56*	
		For 1" Mesh Fabric, Add	*98.75*	
		For 1-1/4" Mesh Fabric, Add	*63.56*	
		For 1-3/4" Mesh Fabric, Add	*39.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.75*	
		For Gate With Single Barb Wire Arm, Add	*24.97*	
		For Gate With Double Barb Wire Arm, Add	*36.32*	
32 31 13 13-0422	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	402.55	46.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.28*	
		For 1" Mesh Fabric, Add	*114.34*	
		For 1-1/4" Mesh Fabric, Add	*73.60*	
		For 1-3/4" Mesh Fabric, Add	*45.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.87*	
		For Gate With Single Barb Wire Arm, Add	*28.91*	
		For Gate With Double Barb Wire Arm, Add	*42.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0423	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	461.70	54.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.00*	
		For 1" Mesh Fabric, Add	*129.93*	
		For 1-1/4" Mesh Fabric, Add	*83.63*	
		For 1-3/4" Mesh Fabric, Add	*51.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.99*	
		For Gate With Single Barb Wire Arm, Add	*32.86*	
		For Gate With Double Barb Wire Arm, Add	*47.79*	
32 31 13 13-0424	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	522.19	62.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.72*	
		For 1" Mesh Fabric, Add	*145.52*	
		For 1-1/4" Mesh Fabric, Add	*93.67*	
		For 1-3/4" Mesh Fabric, Add	*58.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.10*	
		For Gate With Single Barb Wire Arm, Add	*36.80*	
		For Gate With Double Barb Wire Arm, Add	*53.52*	
32 31 13 13-0425	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	581.32	70.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.44*	
		For 1" Mesh Fabric, Add	*161.11*	
		For 1-1/4" Mesh Fabric, Add	*103.70*	
		For 1-3/4" Mesh Fabric, Add	*64.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.22*	
		For Gate With Single Barb Wire Arm, Add	*40.74*	
		For Gate With Double Barb Wire Arm, Add	*59.26*	
32 31 13 13-0426	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	640.44	77.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.16*	
		For 1" Mesh Fabric, Add	*176.70*	
		For 1-1/4" Mesh Fabric, Add	*113.74*	
		For 1-3/4" Mesh Fabric, Add	*70.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.34*	
		For Gate With Single Barb Wire Arm, Add	*44.68*	
		For Gate With Double Barb Wire Arm, Add	*64.99*	
32 31 13 13-0427	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	808.30	78.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.53*	
		For 1" Mesh Fabric, Add	*249.46*	
		For 1-1/4" Mesh Fabric, Add	*160.57*	
		For 1-3/4" Mesh Fabric, Add	*99.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.89*	
		For Gate With Single Barb Wire Arm, Add	*63.08*	
		For Gate With Double Barb Wire Arm, Add	*91.76*	
32 31 13 13-0428	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	941.06	84.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-129.03*	
		For 1" Mesh Fabric, Add	*299.35*	
		For 1-1/4" Mesh Fabric, Add	*192.68*	
		For 1-3/4" Mesh Fabric, Add	*119.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.87*	
		For Gate With Single Barb Wire Arm, Add	*75.70*	
		For Gate With Double Barb Wire Arm, Add	*110.11*	
32 31 13 13-0429	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,076.82	91.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.53*	
		For 1" Mesh Fabric, Add	*349.24*	
		For 1-1/4" Mesh Fabric, Add	*224.80*	
		For 1-3/4" Mesh Fabric, Add	*139.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.85*	
		For Gate With Single Barb Wire Arm, Add	*88.31*	
		For Gate With Double Barb Wire Arm, Add	*128.46*	
32 31 13 13-0430	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,247.61	109.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.04*	
		For 1" Mesh Fabric, Add	*399.13*	
		For 1-1/4" Mesh Fabric, Add	*256.91*	
		For 1-3/4" Mesh Fabric, Add	*159.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.83*	
		For Gate With Single Barb Wire Arm, Add	*100.93*	
		For Gate With Double Barb Wire Arm, Add	*146.81*	
32 31 13 13-0431	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,385.89	117.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-193.55*	
		For 1" Mesh Fabric, Add	*449.02*	
		For 1-1/4" Mesh Fabric, Add	*289.03*	
		For 1-3/4" Mesh Fabric, Add	*179.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.80*	
		For Gate With Single Barb Wire Arm, Add	*113.55*	
		For Gate With Double Barb Wire Arm, Add	*165.16*	
32 31 13 13-0432	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,527.78	126.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.05*	
		For 1" Mesh Fabric, Add	*498.91*	
		For 1-1/4" Mesh Fabric, Add	*321.14*	
		For 1-3/4" Mesh Fabric, Add	*199.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.78*	
		For Gate With Single Barb Wire Arm, Add	*126.16*	
		For Gate With Double Barb Wire Arm, Add	*183.51*	
32 31 13 13-0433	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,674.21	137.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.55*	
		For 1" Mesh Fabric, Add	*548.80*	
		For 1-1/4" Mesh Fabric, Add	*353.25*	
		For 1-3/4" Mesh Fabric, Add	*219.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.76*	
		For Gate With Single Barb Wire Arm, Add	*138.78*	
		For Gate With Double Barb Wire Arm, Add	*201.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0434	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,826.41	149.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.06*	
		For 1" Mesh Fabric, Add	*598.70*	
		For 1-1/4" Mesh Fabric, Add	*385.37*	
		For 1-3/4" Mesh Fabric, Add	*239.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.74*	
		For Gate With Single Barb Wire Arm, Add	*151.40*	
		For Gate With Double Barb Wire Arm, Add	*220.21*	
32 31 13 13-0435	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,986.12	164.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.56*	
		For 1" Mesh Fabric, Add	*648.59*	
		For 1-1/4" Mesh Fabric, Add	*417.48*	
		For 1-3/4" Mesh Fabric, Add	*259.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.72*	
		For Gate With Single Barb Wire Arm, Add	*164.01*	
		For Gate With Double Barb Wire Arm, Add	*238.56*	
32 31 13 13-0436	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,155.82	183.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-301.07*	
		For 1" Mesh Fabric, Add	*698.48*	
		For 1-1/4" Mesh Fabric, Add	*449.60*	
		For 1-3/4" Mesh Fabric, Add	*279.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-139.70*	
		For Gate With Single Barb Wire Arm, Add	*176.63*	
		For Gate With Double Barb Wire Arm, Add	*256.91*	
32 31 13 13-0437	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,339.29	206.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-322.58*	
		For 1" Mesh Fabric, Add	*748.37*	
		For 1-1/4" Mesh Fabric, Add	*481.71*	
		For 1-3/4" Mesh Fabric, Add	*299.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.67*	
		For Gate With Single Barb Wire Arm, Add	*189.24*	
		For Gate With Double Barb Wire Arm, Add	*275.26*	

32 31 13 13-0438 6' Fence Height *(32 31 13 13-0397)*

32 31 13 13-0439	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	270.63	39.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.73*	
		For 1" Mesh Fabric, Add	*66.65*	
		For 1-1/4" Mesh Fabric, Add	*42.90*	
		For 1-3/4" Mesh Fabric, Add	*26.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.33*	
		For Gate With Single Barb Wire Arm, Add	*16.85*	
		For Gate With Double Barb Wire Arm, Add	*24.52*	
32 31 13 13-0440	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	321.70	39.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.30*	
		For 1" Mesh Fabric, Add	*88.87*	
		For 1-1/4" Mesh Fabric, Add	*57.20*	
		For 1-3/4" Mesh Fabric, Add	*35.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.77*	
		For Gate With Single Barb Wire Arm, Add	*22.47*	
		For Gate With Double Barb Wire Arm, Add	*32.69*	
32 31 13 13-0441	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	367.25	41.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.49*	
		For 1" Mesh Fabric, Add	*105.53*	
		For 1-1/4" Mesh Fabric, Add	*67.93*	
		For 1-3/4" Mesh Fabric, Add	*42.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.11*	
		For Gate With Single Barb Wire Arm, Add	*26.69*	
		For Gate With Double Barb Wire Arm, Add	*38.82*	
32 31 13 13-0442	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	431.58	50.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.67*	
		For 1" Mesh Fabric, Add	*122.19*	
		For 1-1/4" Mesh Fabric, Add	*78.65*	
		For 1-3/4" Mesh Fabric, Add	*48.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.44*	
		For Gate With Single Barb Wire Arm, Add	*30.90*	
		For Gate With Double Barb Wire Arm, Add	*44.94*	
32 31 13 13-0443	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	495.92	58.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.85*	
		For 1" Mesh Fabric, Add	*138.86*	
		For 1-1/4" Mesh Fabric, Add	*89.38*	
		For 1-3/4" Mesh Fabric, Add	*55.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.77*	
		For Gate With Single Barb Wire Arm, Add	*35.11*	
		For Gate With Double Barb Wire Arm, Add	*51.07*	
32 31 13 13-0444	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	558.87	67.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.03*	
		For 1" Mesh Fabric, Add	*155.52*	
		For 1-1/4" Mesh Fabric, Add	*100.10*	
		For 1-3/4" Mesh Fabric, Add	*62.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.10*	
		For Gate With Single Barb Wire Arm, Add	*39.33*	
		For Gate With Double Barb Wire Arm, Add	*57.20*	
32 31 13 13-0445	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	623.21	75.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.22*	
		For 1" Mesh Fabric, Add	*172.18*	
		For 1-1/4" Mesh Fabric, Add	*110.83*	
		For 1-3/4" Mesh Fabric, Add	*68.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.44*	
		For Gate With Single Barb Wire Arm, Add	*43.54*	
		For Gate With Double Barb Wire Arm, Add	*63.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0446	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	687.55	84.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.40*	
		For 1" Mesh Fabric, Add	*188.84*	
		For 1-1/4" Mesh Fabric, Add	*121.55*	
		For 1-3/4" Mesh Fabric, Add	*75.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.77*	
		For Gate With Single Barb Wire Arm, Add	*47.75*	
		For Gate With Double Barb Wire Arm, Add	*69.46*	
32 31 13 13-0447	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	865.77	84.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.91*	
		For 1" Mesh Fabric, Add	*266.60*	
		For 1-1/4" Mesh Fabric, Add	*171.60*	
		For 1-3/4" Mesh Fabric, Add	*106.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.32*	
		For Gate With Single Barb Wire Arm, Add	*67.42*	
		For Gate With Double Barb Wire Arm, Add	*98.06*	
32 31 13 13-0448	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,009.41	91.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.90*	
		For 1" Mesh Fabric, Add	*319.92*	
		For 1-1/4" Mesh Fabric, Add	*205.92*	
		For 1-3/4" Mesh Fabric, Add	*127.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-63.98*	
		For Gate With Single Barb Wire Arm, Add	*80.90*	
		For Gate With Double Barb Wire Arm, Add	*117.67*	
32 31 13 13-0449	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,211.67	117.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.88*	
		For 1" Mesh Fabric, Add	*373.24*	
		For 1-1/4" Mesh Fabric, Add	*240.25*	
		For 1-3/4" Mesh Fabric, Add	*149.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.65*	
		For Gate With Single Barb Wire Arm, Add	*94.38*	
		For Gate With Double Barb Wire Arm, Add	*137.28*	
32 31 13 13-0450	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,361.44	126.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.86*	
		For 1" Mesh Fabric, Add	*426.56*	
		For 1-1/4" Mesh Fabric, Add	*274.57*	
		For 1-3/4" Mesh Fabric, Add	*170.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.31*	
		For Gate With Single Barb Wire Arm, Add	*107.86*	
		For Gate With Double Barb Wire Arm, Add	*156.89*	
32 31 13 13-0451	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,515.76	137.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.84*	
		For 1" Mesh Fabric, Add	*479.88*	
		For 1-1/4" Mesh Fabric, Add	*308.89*	
		For 1-3/4" Mesh Fabric, Add	*191.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.98*	
		For Gate With Single Barb Wire Arm, Add	*121.35*	
		For Gate With Double Barb Wire Arm, Add	*176.51*	
32 31 13 13-0452	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,698.48	149.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-234.07*	
		For 1" Mesh Fabric, Add	*543.05*	
		For 1-1/4" Mesh Fabric, Add	*349.55*	
		For 1-3/4" Mesh Fabric, Add	*217.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.61*	
		For Gate With Single Barb Wire Arm, Add	*137.32*	
		For Gate With Double Barb Wire Arm, Add	*199.74*	
32 31 13 13-0453	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,847.54	164.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.58*	
		For 1" Mesh Fabric, Add	*588.31*	
		For 1-1/4" Mesh Fabric, Add	*378.68*	
		For 1-3/4" Mesh Fabric, Add	*235.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.66*	
		For Gate With Single Barb Wire Arm, Add	*148.77*	
		For Gate With Double Barb Wire Arm, Add	*216.39*	
32 31 13 13-0454	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,021.01	183.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-275.79*	
		For 1" Mesh Fabric, Add	*639.84*	
		For 1-1/4" Mesh Fabric, Add	*411.85*	
		For 1-3/4" Mesh Fabric, Add	*255.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-127.97*	
		For Gate With Single Barb Wire Arm, Add	*161.80*	
		For Gate With Double Barb Wire Arm, Add	*235.34*	
32 31 13 13-0455	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,212.35	206.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.77*	
		For 1" Mesh Fabric, Add	*693.16*	
		For 1-1/4" Mesh Fabric, Add	*446.17*	
		For 1-3/4" Mesh Fabric, Add	*277.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.63*	
		For Gate With Single Barb Wire Arm, Add	*175.28*	
		For Gate With Double Barb Wire Arm, Add	*254.95*	
32 31 13 13-0456	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,423.34	235.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-321.76*	
		For 1" Mesh Fabric, Add	*746.48*	
		For 1-1/4" Mesh Fabric, Add	*480.49*	
		For 1-3/4" Mesh Fabric, Add	*298.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.30*	
		For Gate With Single Barb Wire Arm, Add	*188.76*	
		For Gate With Double Barb Wire Arm, Add	*274.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0457	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,663.80	274.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.74*	
		For 1" Mesh Fabric, Add	*799.80*	
		For 1-1/4" Mesh Fabric, Add	*514.81*	
		For 1-3/4" Mesh Fabric, Add	*319.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-159.96*	
		For Gate With Single Barb Wire Arm, Add	*202.25*	
		For Gate With Double Barb Wire Arm, Add	*294.18*	
32 31 13 13-0458		7' Fence Height *(32 31 13 13-0397)*		
32 31 13 13-0459	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	287.38	42.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-30.17*	
		For 1" Mesh Fabric, Add	*70.00*	
		For 1-1/4" Mesh Fabric, Add	*45.06*	
		For 1-3/4" Mesh Fabric, Add	*28.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-14.00*	
		For Gate With Single Barb Wire Arm, Add	*17.70*	
		For Gate With Double Barb Wire Arm, Add	*25.75*	
32 31 13 13-0460	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	341.03	42.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.23*	
		For 1" Mesh Fabric, Add	*93.34*	
		For 1-1/4" Mesh Fabric, Add	*60.08*	
		For 1-3/4" Mesh Fabric, Add	*37.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.67*	
		For Gate With Single Barb Wire Arm, Add	*23.60*	
		For Gate With Double Barb Wire Arm, Add	*34.33*	
32 31 13 13-0461	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	387.70	44.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-47.78*	
		For 1" Mesh Fabric, Add	*110.85*	
		For 1-1/4" Mesh Fabric, Add	*71.35*	
		For 1-3/4" Mesh Fabric, Add	*44.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.17*	
		For Gate With Single Barb Wire Arm, Add	*28.03*	
		For Gate With Double Barb Wire Arm, Add	*40.77*	
32 31 13 13-0462	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	456.69	53.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.32*	
		For 1" Mesh Fabric, Add	*128.35*	
		For 1-1/4" Mesh Fabric, Add	*82.61*	
		For 1-3/4" Mesh Fabric, Add	*51.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.67*	
		For Gate With Single Barb Wire Arm, Add	*32.46*	
		For Gate With Double Barb Wire Arm, Add	*47.21*	
32 31 13 13-0463	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	524.32	63.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.87*	
		For 1" Mesh Fabric, Add	*145.85*	
		For 1-1/4" Mesh Fabric, Add	*93.88*	
		For 1-3/4" Mesh Fabric, Add	*58.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.17*	
		For Gate With Single Barb Wire Arm, Add	*36.88*	
		For Gate With Double Barb Wire Arm, Add	*53.65*	
32 31 13 13-0464	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	593.33	72.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.41*	
		For 1" Mesh Fabric, Add	*163.36*	
		For 1-1/4" Mesh Fabric, Add	*105.15*	
		For 1-3/4" Mesh Fabric, Add	*65.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.67*	
		For Gate With Single Barb Wire Arm, Add	*41.31*	
		For Gate With Double Barb Wire Arm, Add	*60.08*	
32 31 13 13-0465	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	660.96	81.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.96*	
		For 1" Mesh Fabric, Add	*180.86*	
		For 1-1/4" Mesh Fabric, Add	*116.41*	
		For 1-3/4" Mesh Fabric, Add	*72.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.17*	
		For Gate With Single Barb Wire Arm, Add	*45.73*	
		For Gate With Double Barb Wire Arm, Add	*66.52*	
32 31 13 13-0466	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	729.97	91.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.50*	
		For 1" Mesh Fabric, Add	*198.36*	
		For 1-1/4" Mesh Fabric, Add	*127.68*	
		For 1-3/4" Mesh Fabric, Add	*79.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.67*	
		For Gate With Single Barb Wire Arm, Add	*50.16*	
		For Gate With Double Barb Wire Arm, Add	*72.96*	
32 31 13 13-0467	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	917.72	91.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-120.70*	
		For 1" Mesh Fabric, Add	*280.03*	
		For 1-1/4" Mesh Fabric, Add	*180.25*	
		For 1-3/4" Mesh Fabric, Add	*112.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.01*	
		For Gate With Single Barb Wire Arm, Add	*70.81*	
		For Gate With Double Barb Wire Arm, Add	*103.00*	
32 31 13 13-0468	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,126.13	117.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.84*	
		For 1" Mesh Fabric, Add	*336.03*	
		For 1-1/4" Mesh Fabric, Add	*216.29*	
		For 1-3/4" Mesh Fabric, Add	*134.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.21*	
		For Gate With Single Barb Wire Arm, Add	*84.97*	
		For Gate With Double Barb Wire Arm, Add	*123.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0469	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,282.09	126.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.98*	
		For 1" Mesh Fabric, Add	*392.04*	
		For 1-1/4" Mesh Fabric, Add	*252.35*	
		For 1-3/4" Mesh Fabric, Add	*156.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-78.41*	
		For Gate With Single Barb Wire Arm, Add	*99.14*	
		For Gate With Double Barb Wire Arm, Add	*144.20*	
32 31 13 13-0470	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,442.56	137.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-193.12*	
		For 1" Mesh Fabric, Add	*448.04*	
		For 1-1/4" Mesh Fabric, Add	*288.39*	
		For 1-3/4" Mesh Fabric, Add	*179.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.61*	
		For Gate With Single Barb Wire Arm, Add	*113.30*	
		For Gate With Double Barb Wire Arm, Add	*164.80*	
32 31 13 13-0471	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,608.82	149.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-217.26*	
		For 1" Mesh Fabric, Add	*504.05*	
		For 1-1/4" Mesh Fabric, Add	*324.44*	
		For 1-3/4" Mesh Fabric, Add	*201.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-100.81*	
		For Gate With Single Barb Wire Arm, Add	*127.46*	
		For Gate With Double Barb Wire Arm, Add	*185.40*	
32 31 13 13-0472	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,782.57	164.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.40*	
		For 1" Mesh Fabric, Add	*560.05*	
		For 1-1/4" Mesh Fabric, Add	*360.49*	
		For 1-3/4" Mesh Fabric, Add	*224.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.01*	
		For Gate With Single Barb Wire Arm, Add	*141.62*	
		For Gate With Double Barb Wire Arm, Add	*205.99*	
32 31 13 13-0473	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,966.31	183.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-265.54*	
		For 1" Mesh Fabric, Add	*616.04*	
		For 1-1/4" Mesh Fabric, Add	*396.53*	
		For 1-3/4" Mesh Fabric, Add	*246.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.21*	
		For Gate With Single Barb Wire Arm, Add	*155.78*	
		For Gate With Double Barb Wire Arm, Add	*226.59*	
32 31 13 13-0474	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,163.84	206.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-289.68*	
		For 1" Mesh Fabric, Add	*672.05*	
		For 1-1/4" Mesh Fabric, Add	*432.59*	
		For 1-3/4" Mesh Fabric, Add	*268.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-134.41*	
		For Gate With Single Barb Wire Arm, Add	*169.94*	
		For Gate With Double Barb Wire Arm, Add	*247.19*	
32 31 13 13-0475	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,381.02	235.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-313.82*	
		For 1" Mesh Fabric, Add	*728.07*	
		For 1-1/4" Mesh Fabric, Add	*468.64*	
		For 1-3/4" Mesh Fabric, Add	*291.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-145.61*	
		For Gate With Single Barb Wire Arm, Add	*184.11*	
		For Gate With Double Barb Wire Arm, Add	*267.80*	
32 31 13 13-0476	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,627.64	274.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-337.96*	
		For 1" Mesh Fabric, Add	*784.07*	
		For 1-1/4" Mesh Fabric, Add	*504.69*	
		For 1-3/4" Mesh Fabric, Add	*313.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-156.81*	
		For Gate With Single Barb Wire Arm, Add	*198.27*	
		For Gate With Double Barb Wire Arm, Add	*288.39*	
32 31 13 13-0477	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,921.43	329.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.10*	
		For 1" Mesh Fabric, Add	*840.08*	
		For 1-1/4" Mesh Fabric, Add	*540.74*	
		For 1-3/4" Mesh Fabric, Add	*336.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.02*	
		For Gate With Single Barb Wire Arm, Add	*212.43*	
		For Gate With Double Barb Wire Arm, Add	*308.99*	

32 31 13 13-0478 8' Fence Height *(32 31 13 13-0397)*

32 31 13 13-0479	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	332.05	45.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.57*	
		For 1" Mesh Fabric, Add	*84.85*	
		For 1-1/4" Mesh Fabric, Add	*54.62*	
		For 1-3/4" Mesh Fabric, Add	*33.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.97*	
		For Gate With Single Barb Wire Arm, Add	*21.46*	
		For Gate With Double Barb Wire Arm, Add	*31.21*	
32 31 13 13-0480	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	397.07	45.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.77*	
		For 1" Mesh Fabric, Add	*113.13*	
		For 1-1/4" Mesh Fabric, Add	*72.82*	
		For 1-3/4" Mesh Fabric, Add	*45.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.63*	
		For Gate With Single Barb Wire Arm, Add	*28.61*	
		For Gate With Double Barb Wire Arm, Add	*41.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0481	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	440.42	45.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.89*	
		For 1" Mesh Fabric, Add	*131.99*	
		For 1-1/4" Mesh Fabric, Add	*84.96*	
		For 1-3/4" Mesh Fabric, Add	*52.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.40*	
		For Gate With Single Barb Wire Arm, Add	*33.38*	
		For Gate With Double Barb Wire Arm, Add	*48.55*	
32 31 13 13-0482	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	519.37	57.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-65.02*	
		For 1" Mesh Fabric, Add	*150.85*	
		For 1-1/4" Mesh Fabric, Add	*97.10*	
		For 1-3/4" Mesh Fabric, Add	*60.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.17*	
		For Gate With Single Barb Wire Arm, Add	*38.15*	
		For Gate With Double Barb Wire Arm, Add	*55.48*	
32 31 13 13-0483	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	598.34	69.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.15*	
		For 1" Mesh Fabric, Add	*169.70*	
		For 1-1/4" Mesh Fabric, Add	*109.23*	
		For 1-3/4" Mesh Fabric, Add	*67.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.94*	
		For Gate With Single Barb Wire Arm, Add	*42.91*	
		For Gate With Double Barb Wire Arm, Add	*62.42*	
32 31 13 13-0484	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	675.94	80.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.28*	
		For 1" Mesh Fabric, Add	*188.56*	
		For 1-1/4" Mesh Fabric, Add	*121.37*	
		For 1-3/4" Mesh Fabric, Add	*75.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.71*	
		For Gate With Single Barb Wire Arm, Add	*47.68*	
		For Gate With Double Barb Wire Arm, Add	*69.36*	
32 31 13 13-0485	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	754.90	92.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.40*	
		For 1" Mesh Fabric, Add	*207.42*	
		For 1-1/4" Mesh Fabric, Add	*133.51*	
		For 1-3/4" Mesh Fabric, Add	*82.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.48*	
		For Gate With Single Barb Wire Arm, Add	*52.45*	
		For Gate With Double Barb Wire Arm, Add	*76.29*	
32 31 13 13-0486	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	833.85	104.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.53*	
		For 1" Mesh Fabric, Add	*226.27*	
		For 1-1/4" Mesh Fabric, Add	*145.64*	
		For 1-3/4" Mesh Fabric, Add	*90.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.25*	
		For Gate With Single Barb Wire Arm, Add	*57.22*	
		For Gate With Double Barb Wire Arm, Add	*83.23*	
32 31 13 13-0487	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,133.89	117.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.30*	
		For 1" Mesh Fabric, Add	*339.40*	
		For 1-1/4" Mesh Fabric, Add	*218.47*	
		For 1-3/4" Mesh Fabric, Add	*135.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.88*	
		For Gate With Single Barb Wire Arm, Add	*85.83*	
		For Gate With Double Barb Wire Arm, Add	*124.84*	
32 31 13 13-0488	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,317.13	126.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.55*	
		For 1" Mesh Fabric, Add	*407.28*	
		For 1-1/4" Mesh Fabric, Add	*262.16*	
		For 1-3/4" Mesh Fabric, Add	*162.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.46*	
		For Gate With Single Barb Wire Arm, Add	*102.99*	
		For Gate With Double Barb Wire Arm, Add	*149.80*	
32 31 13 13-0489	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,504.92	137.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.81*	
		For 1" Mesh Fabric, Add	*475.16*	
		For 1-1/4" Mesh Fabric, Add	*305.85*	
		For 1-3/4" Mesh Fabric, Add	*190.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.03*	
		For Gate With Single Barb Wire Arm, Add	*120.16*	
		For Gate With Double Barb Wire Arm, Add	*174.77*	
32 31 13 13-0490	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,698.47	149.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-234.07*	
		For 1" Mesh Fabric, Add	*543.05*	
		For 1-1/4" Mesh Fabric, Add	*349.55*	
		For 1-3/4" Mesh Fabric, Add	*217.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.61*	
		For Gate With Single Barb Wire Arm, Add	*137.32*	
		For Gate With Double Barb Wire Arm, Add	*199.74*	
32 31 13 13-0491	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,899.53	164.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-263.33*	
		For 1" Mesh Fabric, Add	*610.92*	
		For 1-1/4" Mesh Fabric, Add	*393.24*	
		For 1-3/4" Mesh Fabric, Add	*244.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-122.18*	
		For Gate With Single Barb Wire Arm, Add	*154.49*	
		For Gate With Double Barb Wire Arm, Add	*224.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0492	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,110.59	183.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-292.59*	
		For 1" Mesh Fabric, Add	*678.80*	
		For 1-1/4" Mesh Fabric, Add	*436.93*	
		For 1-3/4" Mesh Fabric, Add	*271.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.76*	
		For Gate With Single Barb Wire Arm, Add	*171.65*	
		For Gate With Double Barb Wire Arm, Add	*249.68*	
32 31 13 13-0493	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,335.41	206.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-321.85*	
		For 1" Mesh Fabric, Add	*746.69*	
		For 1-1/4" Mesh Fabric, Add	*480.63*	
		For 1-3/4" Mesh Fabric, Add	*298.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.34*	
		For Gate With Single Barb Wire Arm, Add	*188.82*	
		For Gate With Double Barb Wire Arm, Add	*274.64*	
32 31 13 13-0494	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,579.87	235.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-351.11*	
		For 1" Mesh Fabric, Add	*814.57*	
		For 1-1/4" Mesh Fabric, Add	*524.32*	
		For 1-3/4" Mesh Fabric, Add	*325.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-162.91*	
		For Gate With Single Barb Wire Arm, Add	*205.98*	
		For Gate With Double Barb Wire Arm, Add	*299.61*	
32 31 13 13-0495	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,853.80	274.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-380.36*	
		For 1" Mesh Fabric, Add	*882.45*	
		For 1-1/4" Mesh Fabric, Add	*568.01*	
		For 1-3/4" Mesh Fabric, Add	*352.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-176.49*	
		For Gate With Single Barb Wire Arm, Add	*223.15*	
		For Gate With Double Barb Wire Arm, Add	*324.58*	
32 31 13 13-0496	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,174.88	329.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-409.62*	
		For 1" Mesh Fabric, Add	*950.33*	
		For 1-1/4" Mesh Fabric, Add	*611.70*	
		For 1-3/4" Mesh Fabric, Add	*380.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-190.07*	
		For Gate With Single Barb Wire Arm, Add	*240.31*	
		For Gate With Double Barb Wire Arm, Add	*349.55*	
32 31 13 13-0497	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,578.48	412.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-438.88*	
		For 1" Mesh Fabric, Add	*1,018.21*	
		For 1-1/4" Mesh Fabric, Add	*655.40*	
		For 1-3/4" Mesh Fabric, Add	*407.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.64*	
		For Gate With Single Barb Wire Arm, Add	*257.48*	
		For Gate With Double Barb Wire Arm, Add	*374.51*	
32 31 13 13-0498		10' Fence Height *(32 31 13 13-0397)*		
32 31 13 13-0499	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	378.48	50.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.43*	
		For 1" Mesh Fabric, Add	*98.43*	
		For 1-1/4" Mesh Fabric, Add	*63.36*	
		For 1-3/4" Mesh Fabric, Add	*39.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.69*	
		For Gate With Single Barb Wire Arm, Add	*24.89*	
		For Gate With Double Barb Wire Arm, Add	*36.20*	
32 31 13 13-0500	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	453.90	50.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.57*	
		For 1" Mesh Fabric, Add	*131.24*	
		For 1-1/4" Mesh Fabric, Add	*84.48*	
		For 1-3/4" Mesh Fabric, Add	*52.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.25*	
		For Gate With Single Barb Wire Arm, Add	*33.19*	
		For Gate With Double Barb Wire Arm, Add	*48.27*	
32 31 13 13-0501	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	510.89	52.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.00*	
		For 1" Mesh Fabric, Add	*153.12*	
		For 1-1/4" Mesh Fabric, Add	*98.56*	
		For 1-3/4" Mesh Fabric, Add	*61.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.62*	
		For Gate With Single Barb Wire Arm, Add	*38.72*	
		For Gate With Double Barb Wire Arm, Add	*56.32*	
32 31 13 13-0502	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	599.52	65.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.43*	
		For 1" Mesh Fabric, Add	*174.99*	
		For 1-1/4" Mesh Fabric, Add	*112.64*	
		For 1-3/4" Mesh Fabric, Add	*69.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.00*	
		For Gate With Single Barb Wire Arm, Add	*44.25*	
		For Gate With Double Barb Wire Arm, Add	*64.36*	
32 31 13 13-0503	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	686.80	77.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.86*	
		For 1" Mesh Fabric, Add	*196.86*	
		For 1-1/4" Mesh Fabric, Add	*126.72*	
		For 1-3/4" Mesh Fabric, Add	*78.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.37*	
		For Gate With Single Barb Wire Arm, Add	*49.78*	
		For Gate With Double Barb Wire Arm, Add	*72.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0504	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	775.44	90.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.28*	
		For 1" Mesh Fabric, Add	*218.74*	
		For 1-1/4" Mesh Fabric, Add	*140.80*	
		For 1-3/4" Mesh Fabric, Add	*87.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.75*	
		For Gate With Single Barb Wire Arm, Add	*55.31*	
		For Gate With Double Barb Wire Arm, Add	*80.46*	
32 31 13 13-0505	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	862.71	103.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-103.71*	
		For 1" Mesh Fabric, Add	*240.62*	
		For 1-1/4" Mesh Fabric, Add	*154.88*	
		For 1-3/4" Mesh Fabric, Add	*96.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.12*	
		For Gate With Single Barb Wire Arm, Add	*60.85*	
		For Gate With Double Barb Wire Arm, Add	*88.50*	
32 31 13 13-0506	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	951.36	115.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.14*	
		For 1" Mesh Fabric, Add	*262.49*	
		For 1-1/4" Mesh Fabric, Add	*168.96*	
		For 1-3/4" Mesh Fabric, Add	*105.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.50*	
		For Gate With Single Barb Wire Arm, Add	*66.38*	
		For Gate With Double Barb Wire Arm, Add	*96.55*	
32 31 13 13-0507	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,298.05	130.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-169.71*	
		For 1" Mesh Fabric, Add	*393.72*	
		For 1-1/4" Mesh Fabric, Add	*253.43*	
		For 1-3/4" Mesh Fabric, Add	*157.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-78.74*	
		For Gate With Single Barb Wire Arm, Add	*99.56*	
		For Gate With Double Barb Wire Arm, Add	*144.82*	
32 31 13 13-0508	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,509.16	140.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-203.65*	
		For 1" Mesh Fabric, Add	*472.47*	
		For 1-1/4" Mesh Fabric, Add	*304.12*	
		For 1-3/4" Mesh Fabric, Add	*188.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-94.49*	
		For Gate With Single Barb Wire Arm, Add	*119.48*	
		For Gate With Double Barb Wire Arm, Add	*173.78*	
32 31 13 13-0509	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,725.59	152.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-237.59*	
		For 1" Mesh Fabric, Add	*551.21*	
		For 1-1/4" Mesh Fabric, Add	*354.80*	
		For 1-3/4" Mesh Fabric, Add	*220.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.24*	
		For Gate With Single Barb Wire Arm, Add	*139.39*	
		For Gate With Double Barb Wire Arm, Add	*202.75*	
32 31 13 13-0510	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,948.09	166.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-271.53*	
		For 1" Mesh Fabric, Add	*629.96*	
		For 1-1/4" Mesh Fabric, Add	*405.49*	
		For 1-3/4" Mesh Fabric, Add	*251.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-125.99*	
		For Gate With Single Barb Wire Arm, Add	*159.30*	
		For Gate With Double Barb Wire Arm, Add	*231.71*	
32 31 13 13-0511	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,179.32	183.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-305.48*	
		For 1" Mesh Fabric, Add	*708.70*	
		For 1-1/4" Mesh Fabric, Add	*456.18*	
		For 1-3/4" Mesh Fabric, Add	*283.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-141.74*	
		For Gate With Single Barb Wire Arm, Add	*179.21*	
		For Gate With Double Barb Wire Arm, Add	*260.67*	
32 31 13 13-0512	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,421.17	203.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-339.42*	
		For 1" Mesh Fabric, Add	*787.45*	
		For 1-1/4" Mesh Fabric, Add	*506.86*	
		For 1-3/4" Mesh Fabric, Add	*314.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-157.49*	
		For Gate With Single Barb Wire Arm, Add	*199.12*	
		For Gate With Double Barb Wire Arm, Add	*289.64*	
32 31 13 13-0513	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,678.90	228.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-373.36*	
		For 1" Mesh Fabric, Add	*866.19*	
		For 1-1/4" Mesh Fabric, Add	*557.55*	
		For 1-3/4" Mesh Fabric, Add	*346.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-173.24*	
		For Gate With Single Barb Wire Arm, Add	*219.04*	
		For Gate With Double Barb Wire Arm, Add	*318.60*	
32 31 13 13-0514	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,957.65	261.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-407.30*	
		For 1" Mesh Fabric, Add	*944.94*	
		For 1-1/4" Mesh Fabric, Add	*608.24*	
		For 1-3/4" Mesh Fabric, Add	*377.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-188.99*	
		For Gate With Single Barb Wire Arm, Add	*238.95*	
		For Gate With Double Barb Wire Arm, Add	*347.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0515	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,270.16	305.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-441.24*	
		For 1" Mesh Fabric, Add	*1,023.68*	
		For 1-1/4" Mesh Fabric, Add	*658.92*	
		For 1-3/4" Mesh Fabric, Add	*409.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-204.74*	
		For Gate With Single Barb Wire Arm, Add	*258.86*	
		For Gate With Double Barb Wire Arm, Add	*376.53*	
32 31 13 13-0516	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,633.58	366.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-475.18*	
		For 1" Mesh Fabric, Add	*1,102.42*	
		For 1-1/4" Mesh Fabric, Add	*709.61*	
		For 1-3/4" Mesh Fabric, Add	*440.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-220.48*	
		For Gate With Single Barb Wire Arm, Add	*278.77*	
		For Gate With Double Barb Wire Arm, Add	*405.49*	
32 31 13 13-0517	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,090.64	457.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-509.13*	
		For 1" Mesh Fabric, Add	*1,181.17*	
		For 1-1/4" Mesh Fabric, Add	*760.30*	
		For 1-3/4" Mesh Fabric, Add	*472.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-236.23*	
		For Gate With Single Barb Wire Arm, Add	*298.69*	
		For Gate With Double Barb Wire Arm, Add	*434.45*	

32 31 13 13-0518 12' Fence Height *(32 31 13 13-0397)*

32 31 13 13-0519	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	484.69	56.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.17*	
		For 1" Mesh Fabric, Add	*137.27*	
		For 1-1/4" Mesh Fabric, Add	*88.36*	
		For 1-3/4" Mesh Fabric, Add	*54.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.45*	
		For Gate With Single Barb Wire Arm, Add	*34.71*	
		For Gate With Double Barb Wire Arm, Add	*50.49*	
32 31 13 13-0520	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	589.59	56.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.84*	
		For 1" Mesh Fabric, Add	*182.90*	
		For 1-1/4" Mesh Fabric, Add	*117.73*	
		For 1-3/4" Mesh Fabric, Add	*73.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.58*	
		For Gate With Single Barb Wire Arm, Add	*46.25*	
		For Gate With Double Barb Wire Arm, Add	*67.28*	
32 31 13 13-0521	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	673.83	58.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-93.47*	
		For 1" Mesh Fabric, Add	*216.84*	
		For 1-1/4" Mesh Fabric, Add	*139.58*	
		For 1-3/4" Mesh Fabric, Add	*86.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.37*	
		For Gate With Single Barb Wire Arm, Add	*54.83*	
		For Gate With Double Barb Wire Arm, Add	*79.76*	
32 31 13 13-0522	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	781.31	72.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-105.66*	
		For 1" Mesh Fabric, Add	*245.13*	
		For 1-1/4" Mesh Fabric, Add	*157.78*	
		For 1-3/4" Mesh Fabric, Add	*98.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.03*	
		For Gate With Single Barb Wire Arm, Add	*61.99*	
		For Gate With Double Barb Wire Arm, Add	*90.16*	
32 31 13 13-0523	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	896.04	86.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-119.21*	
		For 1" Mesh Fabric, Add	*276.56*	
		For 1-1/4" Mesh Fabric, Add	*178.01*	
		For 1-3/4" Mesh Fabric, Add	*110.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.31*	
		For Gate With Single Barb Wire Arm, Add	*69.93*	
		For Gate With Double Barb Wire Arm, Add	*101.72*	
32 31 13 13-0524	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,009.38	100.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-132.75*	
		For 1" Mesh Fabric, Add	*307.98*	
		For 1-1/4" Mesh Fabric, Add	*198.24*	
		For 1-3/4" Mesh Fabric, Add	*123.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.60*	
		For Gate With Single Barb Wire Arm, Add	*77.88*	
		For Gate With Double Barb Wire Arm, Add	*113.28*	
32 31 13 13-0525	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,124.09	114.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.30*	
		For 1" Mesh Fabric, Add	*339.41*	
		For 1-1/4" Mesh Fabric, Add	*218.47*	
		For 1-3/4" Mesh Fabric, Add	*135.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.88*	
		For Gate With Single Barb Wire Arm, Add	*85.83*	
		For Gate With Double Barb Wire Arm, Add	*124.84*	
32 31 13 13-0526	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,231.58	128.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.49*	
		For 1" Mesh Fabric, Add	*367.69*	
		For 1-1/4" Mesh Fabric, Add	*236.68*	
		For 1-3/4" Mesh Fabric, Add	*147.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-73.54*	
		For Gate With Single Barb Wire Arm, Add	*92.98*	
		For Gate With Double Barb Wire Arm, Add	*135.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0527	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,703.92	145.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-237.65*	
		For 1" Mesh Fabric, Add	*551.35*	
		For 1-1/4" Mesh Fabric, Add	*354.89*	
		For 1-3/4" Mesh Fabric, Add	*220.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.27*	
		For Gate With Single Barb Wire Arm, Add	*139.42*	
		For Gate With Double Barb Wire Arm, Add	*202.80*	
32 31 13 13-0528	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,032.15	156.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-292.92*	
		For 1" Mesh Fabric, Add	*679.57*	
		For 1-1/4" Mesh Fabric, Add	*437.42*	
		For 1-3/4" Mesh Fabric, Add	*271.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.91*	
		For Gate With Single Barb Wire Arm, Add	*171.85*	
		For Gate With Double Barb Wire Arm, Add	*249.96*	
32 31 13 13-0529	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,333.41	169.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-342.01*	
		For 1" Mesh Fabric, Add	*793.46*	
		For 1-1/4" Mesh Fabric, Add	*510.73*	
		For 1-3/4" Mesh Fabric, Add	*317.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-158.69*	
		For Gate With Single Barb Wire Arm, Add	*200.64*	
		For Gate With Double Barb Wire Arm, Add	*291.85*	
32 31 13 13-0530	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,639.68	184.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-390.77*	
		For 1" Mesh Fabric, Add	*906.59*	
		For 1-1/4" Mesh Fabric, Add	*583.55*	
		For 1-3/4" Mesh Fabric, Add	*362.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.32*	
		For Gate With Single Barb Wire Arm, Add	*229.25*	
		For Gate With Double Barb Wire Arm, Add	*333.46*	
32 31 13 13-0531	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,951.99	203.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-438.89*	
		For 1" Mesh Fabric, Add	*1,018.22*	
		For 1-1/4" Mesh Fabric, Add	*655.41*	
		For 1-3/4" Mesh Fabric, Add	*407.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.64*	
		For Gate With Single Barb Wire Arm, Add	*257.48*	
		For Gate With Double Barb Wire Arm, Add	*374.52*	
32 31 13 13-0532	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,279.42	226.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-487.65*	
		For 1" Mesh Fabric, Add	*1,131.36*	
		For 1-1/4" Mesh Fabric, Add	*728.23*	
		For 1-3/4" Mesh Fabric, Add	*452.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-226.27*	
		For Gate With Single Barb Wire Arm, Add	*286.09*	
		For Gate With Double Barb Wire Arm, Add	*416.13*	
32 31 13 13-0533	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,624.96	254.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-536.42*	
		For 1" Mesh Fabric, Add	*1,244.49*	
		For 1-1/4" Mesh Fabric, Add	*801.05*	
		For 1-3/4" Mesh Fabric, Add	*497.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-248.90*	
		For Gate With Single Barb Wire Arm, Add	*314.70*	
		For Gate With Double Barb Wire Arm, Add	*457.74*	
32 31 13 13-0534	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,993.63	290.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-585.18*	
		For 1" Mesh Fabric, Add	*1,357.63*	
		For 1-1/4" Mesh Fabric, Add	*873.87*	
		For 1-3/4" Mesh Fabric, Add	*543.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-271.53*	
		For Gate With Single Barb Wire Arm, Add	*343.31*	
		For Gate With Double Barb Wire Arm, Add	*499.36*	
32 31 13 13-0535	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,408.48	339.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-635.58*	
		For 1" Mesh Fabric, Add	*1,474.54*	
		For 1-1/4" Mesh Fabric, Add	*949.13*	
		For 1-3/4" Mesh Fabric, Add	*589.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-294.91*	
		For Gate With Single Barb Wire Arm, Add	*372.87*	
		For Gate With Double Barb Wire Arm, Add	*542.36*	
32 31 13 13-0536	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,871.23	406.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-684.34*	
		For 1" Mesh Fabric, Add	*1,587.67*	
		For 1-1/4" Mesh Fabric, Add	*1,021.95*	
		For 1-3/4" Mesh Fabric, Add	*635.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-317.53*	
		For Gate With Single Barb Wire Arm, Add	*401.48*	
		For Gate With Double Barb Wire Arm, Add	*583.97*	
32 31 13 13-0537	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,438.01	508.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-733.11*	
		For 1" Mesh Fabric, Add	*1,700.81*	
		For 1-1/4" Mesh Fabric, Add	*1,094.77*	
		For 1-3/4" Mesh Fabric, Add	*680.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-340.16*	
		For Gate With Single Barb Wire Arm, Add	*430.09*	
		For Gate With Double Barb Wire Arm, Add	*625.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0538		Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0255)*		
		Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0624 for additonal gate accessories, 32 31 13 13-0688 for gate repacement parts.		
32 31 13 13-0539		4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*		
32 31 13 13-0540	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,462.50	502.23
		For 1" Mesh Fabric, Add	*1,069.22*	
		For 1-1/4" Mesh Fabric, Add	*688.23*	
		For 1-3/4" Mesh Fabric, Add	*427.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.84*	
		For Gate With Barb Wire Arm, Add	*270.38*	
		For Vinyl Coated, Add	*737.39*	
32 31 13 13-0541	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,162.13	606.35
		For 1" Mesh Fabric, Add	*1,283.07*	
		For 1-1/4" Mesh Fabric, Add	*825.88*	
		For 1-3/4" Mesh Fabric, Add	*513.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-256.61*	
		For Gate With Barb Wire Arm, Add	*324.45*	
		For Vinyl Coated, Add	*884.87*	
32 31 13 13-0542	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,856.10	707.39
		For 1" Mesh Fabric, Add	*1,496.91*	
		For 1-1/4" Mesh Fabric, Add	*963.53*	
		For 1-3/4" Mesh Fabric, Add	*598.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.38*	
		For Gate With Barb Wire Arm, Add	*378.53*	
		For Vinyl Coated, Add	*1,032.35*	
32 31 13 13-0543	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,558.86	813.06
		For 1" Mesh Fabric, Add	*1,710.76*	
		For 1-1/4" Mesh Fabric, Add	*1,101.18*	
		For 1-3/4" Mesh Fabric, Add	*684.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.15*	
		For Gate With Barb Wire Arm, Add	*432.61*	
		For Vinyl Coated, Add	*1,179.83*	
32 31 13 13-0544	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,253.78	914.71
		For 1" Mesh Fabric, Add	*1,924.61*	
		For 1-1/4" Mesh Fabric, Add	*1,238.83*	
		For 1-3/4" Mesh Fabric, Add	*769.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.92*	
		For Gate With Barb Wire Arm, Add	*486.68*	
		For Vinyl Coated, Add	*1,327.31*	
32 31 13 13-0545	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,929.93	1,006.92
		For 1" Mesh Fabric, Add	*2,138.45*	
		For 1-1/4" Mesh Fabric, Add	*1,376.47*	
		For 1-3/4" Mesh Fabric, Add	*855.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.69*	
		For Gate With Barb Wire Arm, Add	*540.76*	
		For Vinyl Coated, Add	*1,474.79*	
32 31 13 13-0546	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	8,280.98	1,212.56
		For 1" Mesh Fabric, Add	*2,547.31*	
		For 1-1/4" Mesh Fabric, Add	*1,639.65*	
		For 1-3/4" Mesh Fabric, Add	*1,018.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-509.46*	
		For Gate With Barb Wire Arm, Add	*644.15*	
		For Vinyl Coated, Add	*1,756.76*	
32 31 13 13-0547	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	11,951.52	2,288.80
		For 1" Mesh Fabric, Add	*3,207.67*	
		For 1-1/4" Mesh Fabric, Add	*2,064.71*	
		For 1-3/4" Mesh Fabric, Add	*1,283.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-641.53*	
		For Gate With Barb Wire Arm, Add	*811.14*	
		For Vinyl Coated, Add	*2,212.19*	
32 31 13 13-0548	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	15,935.35	3,051.73
		For 1" Mesh Fabric, Add	*4,276.89*	
		For 1-1/4" Mesh Fabric, Add	*2,752.94*	
		For 1-3/4" Mesh Fabric, Add	*1,710.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-855.38*	
		For Gate With Barb Wire Arm, Add	*1,081.51*	
		For Vinyl Coated, Add	*2,949.58*	
32 31 13 13-0549		5' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*		
32 31 13 13-0550	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,623.46	546.63
		For 1" Mesh Fabric, Add	*1,100.65*	
		For 1-1/4" Mesh Fabric, Add	*708.46*	
		For 1-3/4" Mesh Fabric, Add	*440.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-220.13*	
		For Gate With Barb Wire Arm, Add	*278.32*	
		For Vinyl Coated, Add	*759.07*	
32 31 13 13-0551	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,346.63	655.25
		For 1" Mesh Fabric, Add	*1,320.78*	
		For 1-1/4" Mesh Fabric, Add	*850.16*	
		For 1-3/4" Mesh Fabric, Add	*528.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-264.16*	
		For Gate With Barb Wire Arm, Add	*333.99*	
		For Vinyl Coated, Add	*910.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0552	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,070.81	764.33
		For 1" Mesh Fabric, Add	*1,540.91*	
		For 1-1/4" Mesh Fabric, Add	*991.85*	
		For 1-3/4" Mesh Fabric, Add	*616.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-308.18*	
		For Gate With Barb Wire Arm, Add	*389.66*	
		For Vinyl Coated, Add	*1,062.70*	
32 31 13 13-0553	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,795.65	873.71
		For 1" Mesh Fabric, Add	*1,761.04*	
		For 1-1/4" Mesh Fabric, Add	*1,133.54*	
		For 1-3/4" Mesh Fabric, Add	*704.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-352.21*	
		For Gate With Barb Wire Arm, Add	*445.32*	
		For Vinyl Coated, Add	*1,214.51*	
32 31 13 13-0554	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,519.74	982.64
		For 1" Mesh Fabric, Add	*1,981.16*	
		For 1-1/4" Mesh Fabric, Add	*1,275.23*	
		For 1-3/4" Mesh Fabric, Add	*792.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-396.23*	
		For Gate With Barb Wire Arm, Add	*500.98*	
		For Vinyl Coated, Add	*1,366.32*	
32 31 13 13-0555	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,244.23	1,091.87
		For 1" Mesh Fabric, Add	*2,201.29*	
		For 1-1/4" Mesh Fabric, Add	*1,416.92*	
		For 1-3/4" Mesh Fabric, Add	*880.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-440.26*	
		For Gate With Barb Wire Arm, Add	*556.65*	
		For Vinyl Coated, Add	*1,518.13*	
32 31 13 13-0556	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,651.50	1,311.73
		For 1" Mesh Fabric, Add	*2,622.18*	
		For 1-1/4" Mesh Fabric, Add	*1,687.84*	
		For 1-3/4" Mesh Fabric, Add	*1,048.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-524.44*	
		For Gate With Barb Wire Arm, Add	*663.08*	
		For Vinyl Coated, Add	*1,808.40*	
32 31 13 13-0557	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	10,866.93	1,638.19
		For 1" Mesh Fabric, Add	*3,301.94*	
		For 1-1/4" Mesh Fabric, Add	*2,125.39*	
		For 1-3/4" Mesh Fabric, Add	*1,320.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-660.39*	
		For Gate With Barb Wire Arm, Add	*834.97*	
		For Vinyl Coated, Add	*2,277.20*	
32 31 13 13-0558	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	14,488.47	2,183.74
		For 1" Mesh Fabric, Add	*4,402.59*	
		For 1-1/4" Mesh Fabric, Add	*2,833.85*	
		For 1-3/4" Mesh Fabric, Add	*1,761.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-880.52*	
		For Gate With Barb Wire Arm, Add	*1,113.30*	
		For Vinyl Coated, Add	*3,036.27*	

32 31 13 13-0559 6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*

32 31 13 13-0560	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,862.39	640.85
		For 1" Mesh Fabric, Add	*1,122.64*	
		For 1-1/4" Mesh Fabric, Add	*722.62*	
		For 1-3/4" Mesh Fabric, Add	*449.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-224.53*	
		For Gate With Barb Wire Arm, Add	*283.89*	
		For Vinyl Coated, Add	*774.24*	
32 31 13 13-0561	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,630.36	766.65
		For 1" Mesh Fabric, Add	*1,347.17*	
		For 1-1/4" Mesh Fabric, Add	*867.15*	
		For 1-3/4" Mesh Fabric, Add	*538.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-269.43*	
		For Gate With Barb Wire Arm, Add	*340.66*	
		For Vinyl Coated, Add	*929.09*	
32 31 13 13-0562	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,401.80	894.29
		For 1" Mesh Fabric, Add	*1,571.70*	
		For 1-1/4" Mesh Fabric, Add	*1,011.67*	
		For 1-3/4" Mesh Fabric, Add	*628.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-314.34*	
		For Gate With Barb Wire Arm, Add	*397.44*	
		For Vinyl Coated, Add	*1,083.93*	
32 31 13 13-0563	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,173.82	1,022.24
		For 1" Mesh Fabric, Add	*1,796.23*	
		For 1-1/4" Mesh Fabric, Add	*1,156.20*	
		For 1-3/4" Mesh Fabric, Add	*718.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-359.25*	
		For Gate With Barb Wire Arm, Add	*454.22*	
		For Vinyl Coated, Add	*1,238.78*	
32 31 13 13-0564	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,945.27	1,149.89
		For 1" Mesh Fabric, Add	*2,020.76*	
		For 1-1/4" Mesh Fabric, Add	*1,300.72*	
		For 1-3/4" Mesh Fabric, Add	*808.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-404.15*	
		For Gate With Barb Wire Arm, Add	*511.00*	
		For Vinyl Coated, Add	*1,393.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0565	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,725.33	1,281.87
		For 1" Mesh Fabric, Add	*2,245.29*	
		For 1-1/4" Mesh Fabric, Add	*1,445.25*	
		For 1-3/4" Mesh Fabric, Add	*898.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-449.06*	
		For Gate With Barb Wire Arm, Add	*567.77*	
		For Vinyl Coated, Add	*1,548.48*	
32 31 13 13-0566	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	9,215.30	1,533.45
		For 1" Mesh Fabric, Add	*2,674.58*	
		For 1-1/4" Mesh Fabric, Add	*1,721.57*	
		For 1-3/4" Mesh Fabric, Add	*1,069.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-534.92*	
		For Gate With Barb Wire Arm, Add	*676.33*	
		For Vinyl Coated, Add	*1,844.54*	
32 31 13 13-0567	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	11,576.86	1,917.31
		For 1" Mesh Fabric, Add	*3,367.94*	
		For 1-1/4" Mesh Fabric, Add	*2,167.87*	
		For 1-3/4" Mesh Fabric, Add	*1,347.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-673.59*	
		For Gate With Barb Wire Arm, Add	*851.66*	
		For Vinyl Coated, Add	*2,322.71*	
32 31 13 13-0568	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	15,433.71	2,555.22
		For 1" Mesh Fabric, Add	*4,490.58*	
		For 1-1/4" Mesh Fabric, Add	*2,890.49*	
		For 1-3/4" Mesh Fabric, Add	*1,796.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-898.12*	
		For Gate With Barb Wire Arm, Add	*1,135.55*	
		For Vinyl Coated, Add	*3,096.95*	
32 31 13 13-0569		7' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*		
32 31 13 13-0570	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,111.56	714.81
		For 1" Mesh Fabric, Add	*1,166.64*	
		For 1-1/4" Mesh Fabric, Add	*750.94*	
		For 1-3/4" Mesh Fabric, Add	*466.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-233.33*	
		For Gate With Barb Wire Arm, Add	*295.01*	
		For Vinyl Coated, Add	*804.58*	
32 31 13 13-0571	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,932.78	857.16
		For 1" Mesh Fabric, Add	*1,400.01*	
		For 1-1/4" Mesh Fabric, Add	*901.15*	
		For 1-3/4" Mesh Fabric, Add	*560.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.00*	
		For Gate With Barb Wire Arm, Add	*354.03*	
		For Vinyl Coated, Add	*965.52*	
32 31 13 13-0572	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,756.26	1,000.74
		For 1" Mesh Fabric, Add	*1,633.29*	
		For 1-1/4" Mesh Fabric, Add	*1,051.31*	
		For 1-3/4" Mesh Fabric, Add	*653.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.66*	
		For Gate With Barb Wire Arm, Add	*413.02*	
		For Vinyl Coated, Add	*1,126.41*	
32 31 13 13-0573	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,577.34	1,143.08
		For 1" Mesh Fabric, Add	*1,866.62*	
		For 1-1/4" Mesh Fabric, Add	*1,201.51*	
		For 1-3/4" Mesh Fabric, Add	*746.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-373.32*	
		For Gate With Barb Wire Arm, Add	*472.02*	
		For Vinyl Coated, Add	*1,287.33*	
32 31 13 13-0574	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,399.73	1,286.20
		For 1" Mesh Fabric, Add	*2,099.95*	
		For 1-1/4" Mesh Fabric, Add	*1,351.69*	
		For 1-3/4" Mesh Fabric, Add	*839.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-419.99*	
		For Gate With Barb Wire Arm, Add	*531.02*	
		For Vinyl Coated, Add	*1,448.24*	
32 31 13 13-0575	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	8,221.15	1,428.70
		For 1" Mesh Fabric, Add	*2,333.28*	
		For 1-1/4" Mesh Fabric, Add	*1,501.88*	
		For 1-3/4" Mesh Fabric, Add	*933.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-466.66*	
		For Gate With Barb Wire Arm, Add	*590.03*	
		For Vinyl Coated, Add	*1,609.16*	
32 31 13 13-0576	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,818.16	1,714.31
		For 1" Mesh Fabric, Add	*2,779.40*	
		For 1-1/4" Mesh Fabric, Add	*1,789.04*	
		For 1-3/4" Mesh Fabric, Add	*1,111.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-555.88*	
		For Gate With Barb Wire Arm, Add	*702.84*	
		For Vinyl Coated, Add	*1,916.83*	
32 31 13 13-0577	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	12,331.69	2,142.89
		For 1" Mesh Fabric, Add	*3,499.91*	
		For 1-1/4" Mesh Fabric, Add	*2,252.82*	
		For 1-3/4" Mesh Fabric, Add	*1,399.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-699.98*	
		For Gate With Barb Wire Arm, Add	*885.04*	
		For Vinyl Coated, Add	*2,413.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0578	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	16,442.27	2,857.24
		For 1" Mesh Fabric, Add	*4,666.56*	
		For 1-1/4" Mesh Fabric, Add	*3,003.76*	
		For 1-3/4" Mesh Fabric, Add	*1,866.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-933.31*	
		For Gate With Barb Wire Arm, Add	*1,180.05*	
		For Vinyl Coated, Add	*3,218.32*	
32 31 13 13-0579		8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*		
32 31 13 13-0580	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,310.17	774.38
		For 1" Mesh Fabric, Add	*1,201.21*	
		For 1-1/4" Mesh Fabric, Add	*773.19*	
		For 1-3/4" Mesh Fabric, Add	*480.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.24*	
		For Gate With Barb Wire Arm, Add	*303.75*	
		For Vinyl Coated, Add	*828.42*	
32 31 13 13-0581	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,167.74	927.09
		For 1" Mesh Fabric, Add	*1,441.45*	
		For 1-1/4" Mesh Fabric, Add	*927.83*	
		For 1-3/4" Mesh Fabric, Add	*576.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-288.29*	
		For Gate With Barb Wire Arm, Add	*364.50*	
		For Vinyl Coated, Add	*994.10*	
32 31 13 13-0582	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,029.12	1,081.65
		For 1" Mesh Fabric, Add	*1,681.68*	
		For 1-1/4" Mesh Fabric, Add	*1,082.46*	
		For 1-3/4" Mesh Fabric, Add	*672.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.34*	
		For Gate With Barb Wire Arm, Add	*425.25*	
		For Vinyl Coated, Add	*1,159.78*	
32 31 13 13-0583	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,890.80	1,236.22
		For 1" Mesh Fabric, Add	*1,921.93*	
		For 1-1/4" Mesh Fabric, Add	*1,237.10*	
		For 1-3/4" Mesh Fabric, Add	*768.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.39*	
		For Gate With Barb Wire Arm, Add	*486.00*	
		For Vinyl Coated, Add	*1,325.47*	
32 31 13 13-0584	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,750.76	1,390.18
		For 1" Mesh Fabric, Add	*2,162.17*	
		For 1-1/4" Mesh Fabric, Add	*1,391.74*	
		For 1-3/4" Mesh Fabric, Add	*864.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-432.43*	
		For Gate With Barb Wire Arm, Add	*546.76*	
		For Vinyl Coated, Add	*1,491.15*	
32 31 13 13-0585	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,612.58	1,544.90
		For 1" Mesh Fabric, Add	*2,402.41*	
		For 1-1/4" Mesh Fabric, Add	*1,546.38*	
		For 1-3/4" Mesh Fabric, Add	*960.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-480.48*	
		For Gate With Barb Wire Arm, Add	*607.51*	
		For Vinyl Coated, Add	*1,656.83*	
32 31 13 13-0586	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	10,286.85	1,854.03
		For 1" Mesh Fabric, Add	*2,861.75*	
		For 1-1/4" Mesh Fabric, Add	*1,842.04*	
		For 1-3/4" Mesh Fabric, Add	*1,144.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-572.35*	
		For Gate With Barb Wire Arm, Add	*723.66*	
		For Vinyl Coated, Add	*1,973.62*	
32 31 13 13-0587	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	12,920.04	2,317.88
		For 1" Mesh Fabric, Add	*3,603.62*	
		For 1-1/4" Mesh Fabric, Add	*2,319.57*	
		For 1-3/4" Mesh Fabric, Add	*1,441.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-720.72*	
		For Gate With Barb Wire Arm, Add	*911.26*	
		For Vinyl Coated, Add	*2,485.26*	
32 31 13 13-0588	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	17,222.07	3,088.25
		For 1" Mesh Fabric, Add	*4,804.82*	
		For 1-1/4" Mesh Fabric, Add	*3,092.76*	
		For 1-3/4" Mesh Fabric, Add	*1,921.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-960.96*	
		For Gate With Barb Wire Arm, Add	*1,215.01*	
		For Vinyl Coated, Add	*3,313.67*	
32 31 13 13-0589		9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*		
32 31 13 13-0590	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,544.86	844.78
		For 1" Mesh Fabric, Add	*1,242.06*	
		For 1-1/4" Mesh Fabric, Add	*799.48*	
		For 1-3/4" Mesh Fabric, Add	*496.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-248.41*	
		For Gate With Barb Wire Arm, Add	*314.08*	
		For Vinyl Coated, Add	*856.59*	
32 31 13 13-0591	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,447.55	1,010.64
		For 1" Mesh Fabric, Add	*1,490.47*	
		For 1-1/4" Mesh Fabric, Add	*959.38*	
		For 1-3/4" Mesh Fabric, Add	*596.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-298.09*	
		For Gate With Barb Wire Arm, Add	*376.90*	
		For Vinyl Coated, Add	*1,027.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0592	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,355.10	1,178.83
		For 1" Mesh Fabric, Add	*1,738.89*	
		For 1-1/4" Mesh Fabric, Add	*1,119.28*	
		For 1-3/4" Mesh Fabric, Add	*695.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-347.78*	
		For Gate With Barb Wire Arm, Add	*439.72*	
		For Vinyl Coated, Add	*1,199.23*	
32 31 13 13-0593	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,263.98	1,347.77
		For 1" Mesh Fabric, Add	*1,987.29*	
		For 1-1/4" Mesh Fabric, Add	*1,279.17*	
		For 1-3/4" Mesh Fabric, Add	*794.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.46*	
		For Gate With Barb Wire Arm, Add	*502.53*	
		For Vinyl Coated, Add	*1,370.54*	
32 31 13 13-0594	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,171.82	1,516.11
		For 1" Mesh Fabric, Add	*2,235.70*	
		For 1-1/4" Mesh Fabric, Add	*1,439.07*	
		For 1-3/4" Mesh Fabric, Add	*894.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-447.14*	
		For Gate With Barb Wire Arm, Add	*565.35*	
		For Vinyl Coated, Add	*1,541.87*	
32 31 13 13-0595	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,079.63	1,684.45
		For 1" Mesh Fabric, Add	*2,484.12*	
		For 1-1/4" Mesh Fabric, Add	*1,598.97*	
		For 1-3/4" Mesh Fabric, Add	*993.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-496.82*	
		For Gate With Barb Wire Arm, Add	*628.17*	
		For Vinyl Coated, Add	*1,713.19*	
32 31 13 13-0596	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,844.83	2,021.13
		For 1" Mesh Fabric, Add	*2,959.07*	
		For 1-1/4" Mesh Fabric, Add	*1,904.69*	
		For 1-3/4" Mesh Fabric, Add	*1,183.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-591.81*	
		For Gate With Barb Wire Arm, Add	*748.27*	
		For Vinyl Coated, Add	*2,040.74*	
32 31 13 13-0597	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	13,618.05	2,526.14
		For 1" Mesh Fabric, Add	*3,726.18*	
		For 1-1/4" Mesh Fabric, Add	*2,398.46*	
		For 1-3/4" Mesh Fabric, Add	*1,490.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-745.24*	
		For Gate With Barb Wire Arm, Add	*942.25*	
		For Vinyl Coated, Add	*2,569.78*	
32 31 13 13-0598	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	18,162.92	3,370.92
		For 1" Mesh Fabric, Add	*4,968.24*	
		For 1-1/4" Mesh Fabric, Add	*3,197.95*	
		For 1-3/4" Mesh Fabric, Add	*1,987.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-993.65*	
		For Gate With Barb Wire Arm, Add	*1,256.34*	
		For Vinyl Coated, Add	*3,426.37*	

32 31 13 13-0599 10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0538)*

32 31 13 13-0600	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,836.63	929.25
		For 1" Mesh Fabric, Add	*1,295.48*	
		For 1-1/4" Mesh Fabric, Add	*833.87*	
		For 1-3/4" Mesh Fabric, Add	*518.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-259.10*	
		For Gate With Barb Wire Arm, Add	*327.59*	
		For Vinyl Coated, Add	*893.43*	
32 31 13 13-0601	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,803.96	1,115.08
		For 1" Mesh Fabric, Add	*1,554.58*	
		For 1-1/4" Mesh Fabric, Add	*1,000.65*	
		For 1-3/4" Mesh Fabric, Add	*621.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-310.92*	
		For Gate With Barb Wire Arm, Add	*393.11*	
		For Vinyl Coated, Add	*1,072.12*	
32 31 13 13-0602	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,771.92	1,301.21
		For 1" Mesh Fabric, Add	*1,813.68*	
		For 1-1/4" Mesh Fabric, Add	*1,167.42*	
		For 1-3/4" Mesh Fabric, Add	*725.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-362.74*	
		For Gate With Barb Wire Arm, Add	*458.63*	
		For Vinyl Coated, Add	*1,250.81*	
32 31 13 13-0603	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,738.97	1,487.03
		For 1" Mesh Fabric, Add	*2,072.77*	
		For 1-1/4" Mesh Fabric, Add	*1,334.20*	
		For 1-3/4" Mesh Fabric, Add	*829.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-414.55*	
		For Gate With Barb Wire Arm, Add	*524.15*	
		For Vinyl Coated, Add	*1,429.50*	
32 31 13 13-0604	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,705.93	1,672.69
		For 1" Mesh Fabric, Add	*2,331.86*	
		For 1-1/4" Mesh Fabric, Add	*1,500.97*	
		For 1-3/4" Mesh Fabric, Add	*932.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-466.37*	
		For Gate With Barb Wire Arm, Add	*589.67*	
		For Vinyl Coated, Add	*1,608.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0605	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	9,673.26	1,858.52
		For 1" Mesh Fabric, Add	*2,590.96*	
		For 1-1/4" Mesh Fabric, Add	*1,667.74*	
		For 1-3/4" Mesh Fabric, Add	*1,036.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-518.19*	
		For Gate With Barb Wire Arm, Add	*655.19*	
		For Vinyl Coated, Add	*1,786.87*	
32 31 13 13-0606	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	11,557.10	2,231.08
		For 1" Mesh Fabric, Add	*3,086.35*	
		For 1-1/4" Mesh Fabric, Add	*1,986.61*	
		For 1-3/4" Mesh Fabric, Add	*1,234.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-617.27*	
		For Gate With Barb Wire Arm, Add	*780.46*	
		For Vinyl Coated, Add	*2,128.52*	
32 31 13 13-0607	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	14,509.89	2,787.77
		For 1" Mesh Fabric, Add	*3,886.44*	
		For 1-1/4" Mesh Fabric, Add	*2,501.62*	
		For 1-3/4" Mesh Fabric, Add	*1,554.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-777.29*	
		For Gate With Barb Wire Arm, Add	*982.78*	
		For Vinyl Coated, Add	*2,680.30*	
32 31 13 13-0608	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	19,342.08	3,714.86
		For 1" Mesh Fabric, Add	*5,181.92*	
		For 1-1/4" Mesh Fabric, Add	*3,335.49*	
		For 1-3/4" Mesh Fabric, Add	*2,072.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,036.38*	
		For Gate With Barb Wire Arm, Add	*1,310.37*	
		For Vinyl Coated, Add	*3,573.74*	

32 31 13 13-0609 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0255)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 31 13 13-0610	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	8,659.33	618.89
		For 1" Mesh Fabric, Add	*3,228.38*	
		For 1-1/4" Mesh Fabric, Add	*2,078.04*	
		For 1-3/4" Mesh Fabric, Add	*1,291.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-645.68*	
		For Gate With Single Barb Wire Arm, Add	*816.37*	
		For Gate With Double Barb Wire Arm, Add	*1,187.45*	
		For Aluminized Steel Gate And Post, Add	*3,562.35*	
		For Powder Coated Gate And Post, Add	*1,558.53*	
		For Vinyl Coated, Add	*2,226.47*	
32 31 13 13-0611	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	9,473.99	773.61
		For 1" Mesh Fabric, Add	*3,448.14*	
		For 1-1/4" Mesh Fabric, Add	*2,219.50*	
		For 1-3/4" Mesh Fabric, Add	*1,379.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-689.63*	
		For Gate With Single Barb Wire Arm, Add	*871.94*	
		For Gate With Double Barb Wire Arm, Add	*1,268.28*	
		For Aluminized Steel Gate And Post, Add	*3,804.85*	
		For Powder Coated Gate And Post, Add	*1,664.62*	
		For Vinyl Coated, Add	*2,378.03*	
32 31 13 13-0612	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	10,295.58	928.33
		For 1" Mesh Fabric, Add	*3,670.93*	
		For 1-1/4" Mesh Fabric, Add	*2,362.90*	
		For 1-3/4" Mesh Fabric, Add	*1,468.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-734.19*	
		For Gate With Single Barb Wire Arm, Add	*928.28*	
		For Gate With Double Barb Wire Arm, Add	*1,350.23*	
		For Aluminized Steel Gate And Post, Add	*4,050.68*	
		For Powder Coated Gate And Post, Add	*1,772.17*	
		For Vinyl Coated, Add	*2,531.68*	
32 31 13 13-0613	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	12,039.66	1,237.77
		For 1" Mesh Fabric, Add	*4,160.39*	
		For 1-1/4" Mesh Fabric, Add	*2,677.95*	
		For 1-3/4" Mesh Fabric, Add	*1,664.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-832.08*	
		For Gate With Single Barb Wire Arm, Add	*1,052.05*	
		For Gate With Double Barb Wire Arm, Add	*1,530.26*	
		For Aluminized Steel Gate And Post, Add	*4,590.77*	
		For Powder Coated Gate And Post, Add	*2,008.46*	
		For Vinyl Coated, Add	*2,869.23*	
32 31 13 13-0614	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	11,166.64	1,237.77
		For 1" Mesh Fabric, Add	*3,780.62*	
		For 1-1/4" Mesh Fabric, Add	*2,433.51*	
		For 1-3/4" Mesh Fabric, Add	*1,512.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-756.12*	
		For Gate With Single Barb Wire Arm, Add	*956.02*	
		For Gate With Double Barb Wire Arm, Add	*1,390.57*	
		For Aluminized Steel Gate And Post, Add	*4,171.72*	
		For Powder Coated Gate And Post, Add	*1,825.13*	
		For Vinyl Coated, Add	*2,607.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0615	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	13,037.07	1,624.57
		For 1" Mesh Fabric, Add	*4,257.74*	
		For 1-1/4" Mesh Fabric, Add	*2,740.61*	
		For 1-3/4" Mesh Fabric, Add	*1,703.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-851.55*	
		For Gate With Single Barb Wire Arm, Add	*1,076.67*	
		For Gate With Double Barb Wire Arm, Add	*1,566.07*	
		For Aluminized Steel Gate And Post, Add	*4,698.20*	
		For Powder Coated Gate And Post, Add	*2,055.46*	
		For Vinyl Coated, Add	*2,936.37*	
32 31 13 13-0616	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	17,325.92	2,011.38
		For 1" Mesh Fabric, Add	*5,786.87*	
		For 1-1/4" Mesh Fabric, Add	*3,724.88*	
		For 1-3/4" Mesh Fabric, Add	*2,314.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,157.37*	
		For Gate With Single Barb Wire Arm, Add	*1,463.35*	
		For Gate With Double Barb Wire Arm, Add	*2,128.50*	
		For Aluminized Steel Gate And Post, Add	*6,385.51*	
		For Powder Coated Gate And Post, Add	*2,793.66*	
		For Vinyl Coated, Add	*3,990.95*	
32 31 13 13-0617	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	19,478.05	2,398.18
		For 1" Mesh Fabric, Add	*6,386.54*	
		For 1-1/4" Mesh Fabric, Add	*4,110.87*	
		For 1-3/4" Mesh Fabric, Add	*2,554.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,277.31*	
		For Gate With Single Barb Wire Arm, Add	*1,614.99*	
		For Gate With Double Barb Wire Arm, Add	*2,349.07*	
		For Aluminized Steel Gate And Post, Add	*7,047.21*	
		For Powder Coated Gate And Post, Add	*3,083.15*	
		For Vinyl Coated, Add	*4,404.51*	
32 31 13 13-0618	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	22,878.56	2,630.27
		For 1" Mesh Fabric, Add	*7,663.84*	
		For 1-1/4" Mesh Fabric, Add	*4,933.05*	
		For 1-3/4" Mesh Fabric, Add	*3,065.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,532.77*	
		For Gate With Single Barb Wire Arm, Add	*1,937.98*	
		For Gate With Double Barb Wire Arm, Add	*2,818.88*	
		For Aluminized Steel Gate And Post, Add	*8,456.65*	
		For Powder Coated Gate And Post, Add	*3,699.79*	
		For Vinyl Coated, Add	*5,285.41*	
32 31 13 13-0619	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	13,037.98	1,547.22
		For 1" Mesh Fabric, Add	*4,325.44*	
		For 1-1/4" Mesh Fabric, Add	*2,784.19*	
		For 1-3/4" Mesh Fabric, Add	*1,730.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-865.09*	
		For Gate With Single Barb Wire Arm, Add	*1,093.79*	
		For Gate With Double Barb Wire Arm, Add	*1,590.97*	
		For Aluminized Steel Gate And Post, Add	*4,772.90*	
		For Powder Coated Gate And Post, Add	*2,088.15*	
		For Vinyl Coated, Add	*2,983.07*	
32 31 13 13-0620	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	15,374.04	2,088.74
		For 1" Mesh Fabric, Add	*4,870.50*	
		For 1-1/4" Mesh Fabric, Add	*3,135.03*	
		For 1-3/4" Mesh Fabric, Add	*1,948.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-974.10*	
		For Gate With Single Barb Wire Arm, Add	*1,231.62*	
		For Gate With Double Barb Wire Arm, Add	*1,791.45*	
		For Aluminized Steel Gate And Post, Add	*5,374.34*	
		For Powder Coated Gate And Post, Add	*2,351.28*	
		For Vinyl Coated, Add	*3,358.97*	
32 31 13 13-0621	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	20,478.16	2,630.27
		For 1" Mesh Fabric, Add	*6,619.67*	
		For 1-1/4" Mesh Fabric, Add	*4,260.94*	
		For 1-3/4" Mesh Fabric, Add	*2,647.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,323.93*	
		For Gate With Single Barb Wire Arm, Add	*1,673.94*	
		For Gate With Double Barb Wire Arm, Add	*2,434.82*	
		For Aluminized Steel Gate And Post, Add	*7,304.46*	
		For Powder Coated Gate And Post, Add	*3,195.70*	
		For Vinyl Coated, Add	*4,565.29*	
32 31 13 13-0622	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	22,981.49	3,094.43
		For 1" Mesh Fabric, Add	*7,304.79*	
		For 1-1/4" Mesh Fabric, Add	*4,701.94*	
		For 1-3/4" Mesh Fabric, Add	*2,921.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,460.96*	
		For Gate With Single Barb Wire Arm, Add	*1,847.19*	
		For Gate With Double Barb Wire Arm, Add	*2,686.82*	
		For Aluminized Steel Gate And Post, Add	*8,060.46*	
		For Powder Coated Gate And Post, Add	*3,526.45*	
		For Vinyl Coated, Add	*5,037.79*	
32 31 13 13-0623	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	26,958.91	3,403.87
		For 1" Mesh Fabric, Add	*8,765.75*	
		For 1-1/4" Mesh Fabric, Add	*5,642.32*	
		For 1-3/4" Mesh Fabric, Add	*3,506.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,753.15*	
		For Gate With Single Barb Wire Arm, Add	*2,216.63*	
		For Gate With Double Barb Wire Arm, Add	*3,224.19*	
		For Aluminized Steel Gate And Post, Add	*9,672.56*	
		For Powder Coated Gate And Post, Add	*4,231.74*	
		For Vinyl Coated, Add	*6,045.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0624		**Gate Accessories** *(32 31 13 13-0255)*		
32 31 13 13-0625	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	69.27	17.64
32 31 13 13-0626	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	79.52	17.64
32 31 13 13-0627	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	145.36	17.64
32 31 13 13-0628	EA	Gate Center Stop, Cast Steel, Ground	46.93	
32 31 13 13-0629	EA	Gate Latch, Malleable Galvanized Steel	54.68	
32 31 13 13-0630	EA	Gate Keeper, Full Length, Galvanized Steel	236.65	
32 31 13 13-0631	EA	Gate Keeper Hold-Open For Cantilever Gate	124.39	26.02
32 31 13 13-0632	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	71.54	
32 31 13 13-0633	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,158.41	
32 31 13 13-0634	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,243.34	
32 31 13 13-0635	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,328.27	
32 31 13 13-0636	LF	Aluminum V-Groove Gate Track	69.81	15.25
32 31 13 13-0637	LF	Galvanized Steel V-Groove Gate Track	53.38	15.25
32 31 13 13-0638		**Accessories** *(32 31 13 13)*		
32 31 13 13-0639		**Barbed And Concertina Wire** *(32 31 13 13-0638)*		
32 31 13 13-0640		**Single Strand Barbed Wire** *(32 31 13 13-0639)*		
32 31 13 13-0641	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	1.51	0.68
		For >500 To 2,000, Deduct	*-0.07*	
		For >2,000 To 5,000, Deduct	*-0.11*	
32 31 13 13-0642	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.56	0.68
		For >500 To 2,000, Deduct	*-0.07*	
		For >2,000 To 5,000, Deduct	*-0.11*	
32 31 13 13-0643	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	1.67	0.68
		For >500 To 2,000, Deduct	*-0.07*	
		For >2,000 To 5,000, Deduct	*-0.11*	
32 31 13 13-0644	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	19.64	10.96
32 31 13 13-0645	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	32.46	13.15
32 31 13 13-0646	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	17.21	10.96
32 31 13 13-0647		**Galvanized Steel Concertina (Razor) Wire, Single Coil** *(32 31 13 13-0639)*		
32 31 13 13-0648	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	6.48	0.96
		For >500 To 1,500, Deduct	*-0.55*	
		For >1,500 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.57*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*5.11*	
32 31 13 13-0649	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	9.78	0.96
		For >500 To 1,500, Deduct	*-0.84*	
		For >1,500 To 5,000, Deduct	*-1.67*	
		For >5,000, Deduct	*-2.37*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*7.73*	
32 31 13 13-0650	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	12.96	0.96
		For >500 To 1,500, Deduct	*-1.11*	
		For >1,500 To 5,000, Deduct	*-2.22*	
		For >5,000, Deduct	*-3.14*	
		For Ground Installation, Deduct	*-1.37*	
		For Double Coil (Helix), Add	*10.22*	
32 31 13 13-0651	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.02	0.96
		For >500 To 1,500, Deduct	*-0.90*	
		For >1,500 To 5,000, Deduct	*-1.81*	
		For >5,000, Deduct	*-2.51*	
		For Ground Installation, Deduct	*-0.76*	
		For Double Coil (Helix), Add	*9.50*	
32 31 13 13-0652	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	16.65	0.96
		For >500 To 1,500, Deduct	*-1.36*	
		For >1,500 To 5,000, Deduct	*-2.73*	
		For >5,000, Deduct	*-3.79*	
		For Ground Installation, Deduct	*-1.14*	
		For Double Coil (Helix), Add	*14.37*	
32 31 13 13-0653	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	21.98	0.96
		For >500 To 1,500, Deduct	*-1.80*	
		For >1,500 To 5,000, Deduct	*-3.60*	
		For >5,000, Deduct	*-5.00*	
		For Ground Installation, Deduct	*-1.51*	
		For Double Coil (Helix), Add	*18.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0654	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	34.70	0.96
		For >500 To 1,500, Deduct	*-2.69*	
		For >1,500 To 5,000, Deduct	*-5.38*	
		For >5,000, Deduct	*-7.28*	
		For Ground Installation, Deduct	*-0.86*	
		For Double Coil (Helix), Add	*32.99*	
32 31 13 13-0655	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	52.51	0.96
		For >500 To 1,500, Deduct	*-4.07*	
		For >1,500 To 5,000, Deduct	*-8.13*	
		For >5,000, Deduct	*-11.02*	
		For Ground Installation, Deduct	*-1.28*	
		For Double Coil (Helix), Add	*49.95*	
32 31 13 13-0656	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	69.40	0.96
		For >500 To 1,500, Deduct	*-5.38*	
		For >1,500 To 5,000, Deduct	*-10.75*	
		For >5,000, Deduct	*-14.57*	
		For Ground Installation, Deduct	*-1.71*	
		For Double Coil (Helix), Add	*65.98*	
32 31 13 13-0657	LF	60" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	53.97	0.96
		For >500 To 1,500, Deduct	*-4.15*	
		For >1,500 To 5,000, Deduct	*-8.30*	
		For >5,000, Deduct	*-11.21*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*51.92*	
32 31 13 13-0658	LF	60" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	81.86	0.96
		For >500 To 1,500, Deduct	*-6.30*	
		For >1,500 To 5,000, Deduct	*-12.60*	
		For >5,000, Deduct	*-17.01*	
		For Ground Installation, Deduct	*-1.58*	
		For Double Coil (Helix), Add	*78.70*	

32 31 13 13-0659 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0639)*

32 31 13 13-0660	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.85	0.96
		For >500 To 1,500, Deduct	*-0.96*	
		For >1,500 To 5,000, Deduct	*-1.91*	
		For >5,000, Deduct	*-2.64*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*10.48*	
32 31 13 13-0661	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	17.91	0.96
		For >500 To 1,500, Deduct	*-1.45*	
		For >1,500 To 5,000, Deduct	*-2.89*	
		For >5,000, Deduct	*-3.99*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*15.86*	
32 31 13 13-0662	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	23.70	0.96
		For >500 To 1,500, Deduct	*-1.91*	
		For >1,500 To 5,000, Deduct	*-3.83*	
		For >5,000, Deduct	*-5.29*	
		For Ground Installation, Deduct	*-1.37*	
		For Double Coil (Helix), Add	*20.96*	
32 31 13 13-0663	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.58	0.96
		For >500 To 1,500, Deduct	*-1.24*	
		For >1,500 To 5,000, Deduct	*-2.49*	
		For >5,000, Deduct	*-3.42*	
		For Ground Installation, Deduct	*-0.76*	
		For Double Coil (Helix), Add	*14.06*	
32 31 13 13-0664	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	23.55	0.96
		For >500 To 1,500, Deduct	*-1.88*	
		For >1,500 To 5,000, Deduct	*-3.76*	
		For >5,000, Deduct	*-5.17*	
		For Ground Installation, Deduct	*-1.14*	
		For Double Coil (Helix), Add	*21.27*	
32 31 13 13-0665	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	31.09	0.96
		For >500 To 1,500, Deduct	*-2.48*	
		For >1,500 To 5,000, Deduct	*-4.97*	
		For >5,000, Deduct	*-6.82*	
		For Ground Installation, Deduct	*-1.51*	
		For Double Coil (Helix), Add	*28.07*	
32 31 13 13-0666	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.94	0.96
		For >500 To 1,500, Deduct	*-3.98*	
		For >1,500 To 5,000, Deduct	*-7.96*	
		For >5,000, Deduct	*-10.73*	
		For Ground Installation, Deduct	*-0.86*	
		For Double Coil (Helix), Add	*50.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0667	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	78.63	0.96
		For >500 To 1,500, Deduct	*-6.03*	
		For >1,500 To 5,000, Deduct	*-12.05*	
		For >5,000, Deduct	*-16.24*	
		For Ground Installation, Deduct	*-1.28*	
		For Double Coil (Helix), Add	*76.07*	
32 31 13 13-0668	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	103.87	0.96
		For >500 To 1,500, Deduct	*-7.96*	
		For >1,500 To 5,000, Deduct	*-15.92*	
		For >5,000, Deduct	*-21.46*	
		For Ground Installation, Deduct	*-1.71*	
		For Double Coil (Helix), Add	*100.45*	

32 31 13 13-0669 Grounding For Gates *(32 31 13 13-0638)*

Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 13-0670	OPNG	Grounding For Gates Note: Per opening	606.80	

32 31 13 13-0671 Coiled Spring Reinforcing Wire *(32 31 13 13-0638)*

32 31 13 13-0672 Galvanized Steel *(32 31 13 13-0671)*

32 31 13 13-0673	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.58	0.68

32 31 13 13-0674 Vinyl Coated Steel *(32 31 13 13-0671)*

32 31 13 13-0675	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.58	0.68

32 31 13 13-0676 Bending Of Fabric Around Pipe Railings *(32 31 13 13-0638)*

Note: Only where specified.

32 31 13 13-0677	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	2.26	
32 31 13 13-0678	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.98	

32 31 13 13-0679 Mounting Plate With Anchors Or Bolts *(32 31 13 13-0638)*

Note: For drilling for anchor or bolts, installing post on or against flat surface.

32 31 13 13-0680	EA	Mounting Plate For 1-5/8" Diameter Post	54.72	
32 31 13 13-0681	EA	Mounting Plate For 2" Diameter Post	55.52	
32 31 13 13-0682	EA	Mounting Plate For 2-1/2" Diameter Post	57.23	
32 31 13 13-0683	EA	Mounting Plate For 3" Diameter Post	68.27	
32 31 13 13-0684	EA	Mounting Plate For 4" Diameter Post	78.09	
32 31 13 13-0685	EA	Mounting Plate For 6-5/8" Diameter Post	89.90	
32 31 13 13-0686	EA	Mounting Plate For 8-5/8" Diameter Post	105.48	

32 31 13 13-0687 Fence And Gate Repair And Replacement *(32 31 13 13)*

32 31 13 13-0688 Fence And Gate Parts Replacement *(32 31 13 13-0687)*

32 31 13 13-0689	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	152.68	
32 31 13 13-0690	EA	Sliding Gate Roller Assembly Replacement	153.19	
32 31 13 13-0691	EA	Rod And Lock Gate Keeper Replacement	149.89	
32 31 13 13-0692	EA	Galvanized Gate Holdback Replacement	36.49	
32 31 13 13-0693	LF	3/8" Cross Bracing Rod Replacement	2.01	
32 31 13 13-0694	LF	1-5/8" Diagonal Pipe Bracing Replacement	3.05	
32 31 13 13-0695	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	31.55	
32 31 13 13-0696	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.44	
32 31 13 13-0697	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	41.33	
32 31 13 13-0698	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	60.49	
32 31 13 13-0699	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	108.43	
32 31 13 13-0700	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	32.78	
32 31 13 13-0701	EA	3" x 2" Off Set Gate Hinge Replacement	34.28	
32 31 13 13-0702	EA	4" x 2" Off Set Gate Hinge Replacement	36.62	
32 31 13 13-0703	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	57.01	
32 31 13 13-0704	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	86.99	
32 31 13 13-0705	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	7.84	
32 31 13 13-0706	EA	2" Aluminum Die-Cast Post Cap Replacement	8.59	
32 31 13 13-0707	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	9.94	
32 31 13 13-0708	EA	3" Aluminum Die-Cast Post Cap Replacement	11.48	
32 31 13 13-0709	EA	2" Galvanized Post Cap Replacement	8.71	
32 31 13 13-0710	EA	2-1/2" Galvanized Post Cap Replacement	9.47	
32 31 13 13-0711	EA	3" Galvanized Post Cap Replacement	10.78	
32 31 13 13-0712	EA	4" Galvanized Post Cap Replacement	15.29	
32 31 13 13-0713	EA	6-5/8" Galvanized Post Cap Replacement	26.77	
32 31 13 13-0714	EA	8-5/8" Galvanized Post Cap Replacement	43.02	
32 31 13 13-0715	EA	1-5/8" Boulevard Clamp Replacement	14.81	
32 31 13 13-0716	EA	2" Boulevard Clamp Replacement	17.99	
32 31 13 13-0717	EA	2-1/2" Boulevard Clamp Replacement	21.13	
32 31 13 13-0718	EA	3" Boulevard Clamp Replacement	25.63	
32 31 13 13-0719	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	14.58	
32 31 13 13-0720	EA	2" Gate Brace Or End Rail Clamp Replacement	17.67	
32 31 13 13-0721	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	20.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0722	EA	3" Gate Brace Or End Rail Clamp Replacement	25.29	
32 31 13 13-0723	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	14.81	
32 31 13 13-0724	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	15.09	
32 31 13 13-0725	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	14.96	
32 31 13 13-0726	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	15.17	
32 31 13 13-0727	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	15.34	
32 31 13 13-0728	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	15.83	
32 31 13 13-0729	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	19.43	
32 31 13 13-0730	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	14.71	

32 31 13 13-0731 Removal And Reinstallation Of Chain Link Fences *(32 31 13 13)*

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0080 for new fence posts where required.

32 31 13 13-0732	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	27.40	
32 31 13 13-0733	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	41.09	

32 31 13 13-0734 Ballfield Fencing *(32 31 13 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 13-0735 Concrete Bases For Ballfield Poles, Cast In Place *(32 31 13 13-0734)*

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.

32 31 13 13-0736	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	149.63	
32 31 13 13-0737	VLF	3' Diameter Concrete Base For Ballfield Poles	177.31	
32 31 13 13-0738	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	223.47	
32 31 13 13-0739	VLF	4' Diameter Concrete Base For Ballfield Poles	264.74	

32 31 13 13-0740 Ballfield Poles *(32 31 13 13-0734)*

32 31 13 13-0741	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,610.38	839.23
32 31 13 13-0742	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,683.37	1,049.04
32 31 13 13-0743	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	12,294.70	1,258.85
32 31 13 13-0744	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	16,460.00	1,468.66
32 31 13 13-0745	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	21,969.39	1,678.47
32 31 13 13-0746	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	24,554.10	1,888.27

32 31 13 13-0747 Ballfield Nylon Netting *(32 31 13 13-0734)*

Note: Excludes fastening clips and cabeling

32 31 13 13-0748	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.02	
32 31 13 13-0749	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.06	
32 31 13 13-0750	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.29	
32 31 13 13-0751	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.57	
32 31 13 13-0752	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.85	
32 31 13 13-0753	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.76	
32 31 13 13-0754	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.25	
32 31 13 13-0755	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.51	

32 31 13 13-0756 Ballfield Chainlink Netting *(32 31 13 13-0734)*

Note: Excludes fastening clips and cabeling

32 31 13 13-0757	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	4.28	1.47
		For 13 Gauge Fabric, Deduct	*-0.60*	
		For 11 Gauge Fabric, Deduct	*-0.34*	
		For 6 Gauge Fabric, Add	*1.07*	
		For 1" Mesh Fabric, Add	*1.01*	
		For 1-3/4" Mesh Fabric, Add	*0.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.20*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.27*	

32 31 13 13-0758 Ballfield Netting Accessories *(32 31 13 13-0734)*

32 31 13 13-0759	EA	Sliding Clip For Ballfield Netting	9.91	
32 31 13 13-0760	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	4.50	
32 31 13 13-0761	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.70	
32 31 13 13-0762	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	5.01	

32 31 13 33 Chain Link Backstops *(32 31 13)*

32 31 13 33-0001 Regulation Baseball Backstop *(32 31 13 33)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	15,140.23	2,856.71
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	21,717.18	3,808.94
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	27,516.08	4,443.76
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,798.53	2,856.71
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	30,183.79	3,808.94
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	38,689.10	4,443.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	16.18	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	19.20	
32 31 13 33-0010		Regulation Softball Backstop *(32 31 13 33)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0011		14' High Softball Backstop *(32 31 13 33-0010)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	12,743.29	2,690.76
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	16,801.52	2,690.76
32 31 13 33-0014		18' High Softball Backstop *(32 31 13 33-0010)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	14,829.45	2,991.39
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	19,738.60	2,991.39
32 31 13 33-0017		20' High Softball Backstop *(32 31 13 33-0010)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	16,718.11	3,154.00
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	22,543.69	3,154.00
32 31 13 33-0020		22' High Softball Backstop *(32 31 13 33-0010)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	19,174.51	3,249.15
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	26,178.22	3,249.15
32 31 13 33-0023		24' High Softball Backstop *(32 31 13 33-0010)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	22,717.28	3,713.31
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	31,422.83	3,713.31
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)*		
		Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	13.54	2.54
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	14.38	2.54
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)*		
		Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	13.37	2.54
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	14.11	2.54
32 31 19		**Decorative Metal Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)*		
		Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)*		
		Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	52.85	15.07
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*10.04*	
		For Verticals Up To 2" On Center, Add	*7.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.54*	
		For Verticals >2-1/2" To 3" On Center, Add	*1.82*	
		For Verticals >4" To 6" On Center, Deduct	*-2.04*	
		For Pickets Extending Above Top Rail, Add	*4.35*	
		For Curved Pickets Extending Above Top Rail, Add	*9.64*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	67.12	19.17
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*12.66*	
		For Verticals Up To 2" On Center, Add	*9.64*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.02*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.41*	
		For Verticals >4" To 6" On Center, Deduct	*-2.71*	
		For Pickets Extending Above Top Rail, Add	*5.62*	
		For Curved Pickets Extending Above Top Rail, Add	*12.56*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	78.25	20.00
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*14.56*	
		For Verticals Up To 2" On Center, Add	*12.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.60*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.04*	
		For Verticals >4" To 6" On Center, Deduct	*-3.42*	
		For Pickets Extending Above Top Rail, Add	*6.76*	
		For Curved Pickets Extending Above Top Rail, Add	*15.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	94.57	24.11
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*17.57*	
		For Verticals Up To 2" On Center, Add	*14.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.25*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.70*	
		For Verticals >4" To 6" On Center, Deduct	*-4.16*	
		For Pickets Extending Above Top Rail, Add	*8.20*	
		For Curved Pickets Extending Above Top Rail, Add	*18.65*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	108.49	25.51
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*19.84*	
		For Verticals Up To 2" On Center, Add	*18.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*11.49*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.60*	
		For Verticals >4" To 6" On Center, Deduct	*-5.17*	
		For Pickets Extending Above Top Rail, Add	*9.73*	
		For Curved Pickets Extending Above Top Rail, Add	*22.50*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	122.38	26.85
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*22.12*	
		For Verticals Up To 2" On Center, Add	*21.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.74*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.50*	
		For Verticals >4" To 6" On Center, Deduct	*-6.18*	
		For Pickets Extending Above Top Rail, Add	*11.27*	
		For Curved Pickets Extending Above Top Rail, Add	*26.35*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	146.81	30.13
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*26.24*	
		For Verticals Up To 2" On Center, Add	*27.69*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.31*	
		For Verticals >2-1/2" To 3" On Center, Add	*6.92*	
		For Verticals >4" To 6" On Center, Deduct	*-7.79*	
		For Pickets Extending Above Top Rail, Add	*13.83*	
		For Curved Pickets Extending Above Top Rail, Add	*32.64*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	172.39	34.25
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*30.65*	
		For Verticals Up To 2" On Center, Add	*33.25*	
		For Verticals >2" To 2-1/2" On Center, Add	*20.78*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.31*	
		For Verticals >4" To 6" On Center, Deduct	*-9.35*	
		For Pickets Extending Above Top Rail, Add	*16.41*	
		For Curved Pickets Extending Above Top Rail, Add	*38.90*	

32 31 19 00-0011 Wrought Iron Gates *(32 31 19 00-0001)*

Note: Factory primed.

32 31 19 00-0012 Single Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	64.49	18.36
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	84.55	22.74
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	102.43	27.40
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	124.14	32.88
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	160.60	36.44
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	191.36	40.27
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	221.61	45.75

32 31 19 00-0020 Double Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	78.27	16.44
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	102.28	20.55
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	123.34	24.66
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	148.91	29.59
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	193.54	32.88
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	230.99	36.17
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	268.05	41.09

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence *(32 31 19 00-0001)*

32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	24.89	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	36.07	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	109.59	

32 31 19 00-0032 Steel Tube Fence, Powder Coated *(32 31 19)*

Note: Pickets are 3/4" square x 16 gauge.

32 31 19 00-0033 Steel Tube Fence, 2 Rail *(32 31 19 00-0032)*

Note: 6 foot long panel sections.

32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	88.41	15.07
		For Verticals Up To 2" On Center, Add	*11.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.89*	
		For Verticals >3" To 4" On Center, Deduct	*-5.89*	
		For Verticals >4" To 6" On Center, Deduct	*-11.77*	
		For Pickets Extending Above Top Rail, Add	*6.48*	
		For Curved Pickets Extending Above Top Rail, Add	*11.34*	
		For Solid Pickets, Add	*17.68*	
		For Aluminum With Satin Finish, Add	*13.23*	
		For Third Rail, Add	*4.42*	
		For 1" Square x 14 Gauge Pickets, Add	*14.72*	
		For 3" Square Posts, Add	*7.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	94.68	16.11
		For Verticals Up To 2" On Center, Add	*12.49*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.25*	
		For Verticals >3" To 4" On Center, Deduct	*-6.25*	
		For Verticals >4" To 6" On Center, Deduct	*-12.49*	
		For Pickets Extending Above Top Rail, Add	*6.92*	
		For Curved Pickets Extending Above Top Rail, Add	*12.10*	
		For Solid Pickets, Add	*18.89*	
		For Aluminum With Satin Finish, Add	*13.91*	
		For Third Rail, Add	*4.68*	
		For 1" Square x 14 Gauge Pickets, Add	*15.62*	
		For 3" Square Posts, Add	*7.81*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	100.30	17.81
		For Verticals Up To 2" On Center, Add	*13.08*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.54*	
		For Verticals >3" To 4" On Center, Deduct	*-6.54*	
		For Verticals >4" To 6" On Center, Deduct	*-13.08*	
		For Pickets Extending Above Top Rail, Add	*7.30*	
		For Curved Pickets Extending Above Top Rail, Add	*12.75*	
		For Solid Pickets, Add	*19.95*	
		For Aluminum With Satin Finish, Add	*14.38*	
		For Third Rail, Add	*4.90*	
		For 1" Square x 14 Gauge Pickets, Add	*16.35*	
		For 3" Square Posts, Add	*8.17*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	107.30	20.00
		For Verticals Up To 2" On Center, Add	*13.41*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.70*	
		For Verticals >3" To 4" On Center, Deduct	*-6.70*	
		For Verticals >4" To 6" On Center, Deduct	*-13.41*	
		For Pickets Extending Above Top Rail, Add	*7.71*	
		For Curved Pickets Extending Above Top Rail, Add	*13.41*	
		For Solid Pickets, Add	*21.12*	
		For Aluminum With Satin Finish, Add	*14.07*	
		For Third Rail, Add	*5.03*	
		For 1" Square x 14 Gauge Pickets, Add	*16.76*	
		For 3" Square Posts, Add	*8.38*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	124.21	22.60
		For Verticals Up To 2" On Center, Add	*15.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.90*	
		For Verticals >3" To 4" On Center, Deduct	*-7.90*	
		For Verticals >4" To 6" On Center, Deduct	*-15.80*	
		For Pickets Extending Above Top Rail, Add	*8.98*	
		For Curved Pickets Extending Above Top Rail, Add	*15.64*	
		For Solid Pickets, Add	*24.56*	
		For Aluminum With Satin Finish, Add	*16.92*	
		For Third Rail, Add	*5.93*	
		For 1" Square x 14 Gauge Pickets, Add	*19.75*	
		For 3" Square Posts, Add	*9.88*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	141.86	24.66
		For Verticals Up To 2" On Center, Add	*18.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.26*	
		For Verticals >3" To 4" On Center, Deduct	*-9.26*	
		For Verticals >4" To 6" On Center, Deduct	*-18.51*	
		For Pickets Extending Above Top Rail, Add	*10.33*	
		For Curved Pickets Extending Above Top Rail, Add	*18.04*	
		For Solid Pickets, Add	*28.22*	
		For Aluminum With Satin Finish, Add	*20.37*	
		For Third Rail, Add	*6.94*	
		For 1" Square x 14 Gauge Pickets, Add	*23.14*	
		For 4" Square Posts, Add	*32.39*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	159.80	26.85
		For Verticals Up To 2" On Center, Add	*21.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.61*	
		For Verticals >3" To 4" On Center, Deduct	*-10.61*	
		For Verticals >4" To 6" On Center, Deduct	*-21.22*	
		For Pickets Extending Above Top Rail, Add	*11.70*	
		For Curved Pickets Extending Above Top Rail, Add	*20.47*	
		For Solid Pickets, Add	*31.93*	
		For Aluminum With Satin Finish, Add	*23.78*	
		For Third Rail, Add	*7.96*	
		For 1" Square x 14 Gauge Pickets, Add	*26.53*	
		For 4" Square Posts, Add	*37.14*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	185.12	28.77
		For Verticals Up To 2" On Center, Add	*25.52*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.76*	
		For Verticals >3" To 4" On Center, Deduct	*-12.76*	
		For Verticals >4" To 6" On Center, Deduct	*-25.52*	
		For Pickets Extending Above Top Rail, Add	*13.72*	
		For Curved Pickets Extending Above Top Rail, Add	*24.09*	
		For Solid Pickets, Add	*37.34*	
		For Aluminum With Satin Finish, Add	*29.65*	
		For Third Rail, Add	*9.57*	
		For 1" Square x 14 Gauge Pickets, Add	*31.90*	
		For 4" Square Posts, Add	*44.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	210.72	30.82
		For Verticals Up To 2" On Center, Add	*29.81*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.91*	
		For Verticals >3" To 4" On Center, Deduct	*-14.91*	
		For Verticals >4" To 6" On Center, Deduct	*-29.81*	
		For Pickets Extending Above Top Rail, Add	*15.75*	
		For Curved Pickets Extending Above Top Rail, Add	*27.73*	
		For Solid Pickets, Add	*42.79*	
		For Aluminum With Satin Finish, Add	*35.47*	
		For Third Rail, Add	*11.18*	
		For 1" Square x 14 Gauge Pickets, Add	*37.27*	
		For 6" Square Posts, Add	*52.17*	
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	247.63	34.25
		For Verticals Up To 2" On Center, Add	*35.83*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.91*	
		For Verticals >3" To 4" On Center, Deduct	*-17.91*	
		For Verticals >4" To 6" On Center, Deduct	*-35.83*	
		For Pickets Extending Above Top Rail, Add	*18.65*	
		For Curved Pickets Extending Above Top Rail, Add	*32.90*	
		For Solid Pickets, Add	*50.58*	
		For Aluminum With Satin Finish, Add	*43.47*	
		For Third Rail, Add	*13.44*	
		For 1" Square x 14 Gauge Pickets, Add	*44.79*	
		For 6" Square Posts, Add	*62.70*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	265.34	36.98
		For Verticals Up To 2" On Center, Add	*38.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.14*	
		For Verticals >3" To 4" On Center, Deduct	*-19.14*	
		For Verticals >4" To 6" On Center, Deduct	*-38.27*	
		For Pickets Extending Above Top Rail, Add	*19.96*	
		For Curved Pickets Extending Above Top Rail, Add	*35.21*	
		For Solid Pickets, Add	*54.15*	
		For Aluminum With Satin Finish, Add	*46.32*	
		For Third Rail, Add	*14.35*	
		For 1" Square x 14 Gauge Pickets, Add	*47.84*	
		For 6" Square Posts, Add	*66.98*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	811.50	29.18
		For Solid Pickets, Add	*176.01*	
		For Aluminum With Satin Finish, Add	*204.00*	
		For Third Rail, Add	*54.29*	
		For 1" Square x 14 Gauge Pickets, Add	*72.38*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	901.92	30.55
		For Solid Pickets, Add	*196.05*	
		For Aluminum With Satin Finish, Add	*229.28*	
		For Third Rail, Add	*60.76*	
		For 1" Square x 14 Gauge Pickets, Add	*81.01*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	997.63	32.33
		For Solid Pickets, Add	*217.17*	
		For Aluminum With Satin Finish, Add	*255.52*	
		For Third Rail, Add	*67.53*	
		For 1" Square x 14 Gauge Pickets, Add	*90.04*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,049.60	34.66
		For Solid Pickets, Add	*228.35*	
		For Aluminum With Satin Finish, Add	*268.03*	
		For Third Rail, Add	*70.91*	
		For 1" Square x 14 Gauge Pickets, Add	*94.55*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,174.11	41.51
		For Solid Pickets, Add	*254.83*	
		For Aluminum With Satin Finish, Add	*296.14*	
		For Third Rail, Add	*78.71*	
		For 1" Square x 14 Gauge Pickets, Add	*104.95*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,251.54	48.35
		For Solid Pickets, Add	*270.71*	
		For Aluminum With Satin Finish, Add	*310.12*	
		For Third Rail, Add	*82.98*	
		For 1" Square x 14 Gauge Pickets, Add	*110.63*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,367.62	55.61
		For Solid Pickets, Add	*295.18*	
		For Aluminum With Satin Finish, Add	*335.08*	
		For Third Rail, Add	*90.04*	
		For 1" Square x 14 Gauge Pickets, Add	*120.05*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,468.59	62.46
		For Solid Pickets, Add	*316.36*	
		For Aluminum With Satin Finish, Add	*356.13*	
		For Third Rail, Add	*96.07*	
		For 1" Square x 14 Gauge Pickets, Add	*128.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,557.80	69.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*334.89*	
		For Aluminum With Satin Finish, Add	*373.64*	
		For Third Rail, Add	*101.22*	
		For 1" Square x 14 Gauge Pickets, Add	*134.96*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,695.38	58.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*368.31*	
		For Aluminum With Satin Finish, Add	*429.71*	
		For Third Rail, Add	*114.00*	
		For 1" Square x 14 Gauge Pickets, Add	*152.00*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,805.80	61.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*392.54*	
		For Aluminum With Satin Finish, Add	*459.14*	
		For Third Rail, Add	*121.67*	
		For 1" Square x 14 Gauge Pickets, Add	*162.22*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,995.26	64.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*434.35*	
		For Aluminum With Satin Finish, Add	*511.05*	
		For Third Rail, Add	*135.06*	
		For 1" Square x 14 Gauge Pickets, Add	*180.08*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	2,090.39	67.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*455.24*	
		For Aluminum With Satin Finish, Add	*536.50*	
		For Third Rail, Add	*141.68*	
		For 1" Square x 14 Gauge Pickets, Add	*188.90*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	2,167.86	69.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*472.15*	
		For Aluminum With Satin Finish, Add	*556.66*	
		For Third Rail, Add	*146.97*	
		For 1" Square x 14 Gauge Pickets, Add	*195.96*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,442.38	83.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*530.84*	
		For Aluminum With Satin Finish, Add	*620.52*	
		For Third Rail, Add	*164.48*	
		For 1" Square x 14 Gauge Pickets, Add	*219.31*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	2,679.64	96.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*581.14*	
		For Aluminum With Satin Finish, Add	*673.21*	
		For Third Rail, Add	*179.19*	
		For 1" Square x 14 Gauge Pickets, Add	*238.92*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	2,880.40	111.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*623.02*	
		For Aluminum With Satin Finish, Add	*713.71*	
		For Third Rail, Add	*190.96*	
		For 1" Square x 14 Gauge Pickets, Add	*254.62*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate	3,049.00	124.93
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*657.87*	
		For Aluminum With Satin Finish, Add	*745.80*	
		For Third Rail, Add	*200.52*	
		For 1" Square x 14 Gauge Pickets, Add	*267.37*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate	3,188.18	138.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*686.11*	
		For Aluminum With Satin Finish, Add	*769.06*	
		For Third Rail, Add	*207.88*	
		For 1" Square x 14 Gauge Pickets, Add	*277.17*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate	935.96	27.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*203.66*	
		For Aluminum With Satin Finish, Add	*239.18*	
		For Third Rail, Add	*63.26*	
		For 1" Square x 14 Gauge Pickets, Add	*84.35*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate	1,011.95	31.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*220.50*	
		For Aluminum With Satin Finish, Add	*260.44*	
		For Third Rail, Add	*68.71*	
		For 1" Square x 14 Gauge Pickets, Add	*91.61*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate	1,091.39	34.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*237.86*	
		For Aluminum With Satin Finish, Add	*281.18*	
		For Third Rail, Add	*74.15*	
		For 1" Square x 14 Gauge Pickets, Add	*98.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,157.08	36.44
		For Solid Pickets, Add	*252.12*	
		For Aluminum With Satin Finish, Add	*297.81*	
		For Third Rail, Add	*78.56*	
		For 1" Square x 14 Gauge Pickets, Add	*104.75*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,249.62	43.84
		For Solid Pickets, Add	*271.30*	
		For Aluminum With Satin Finish, Add	*315.71*	
		For Third Rail, Add	*83.86*	
		For 1" Square x 14 Gauge Pickets, Add	*111.81*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,373.54	51.10
		For Solid Pickets, Add	*297.54*	
		For Aluminum With Satin Finish, Add	*343.02*	
		For Third Rail, Add	*91.51*	
		For 1" Square x 14 Gauge Pickets, Add	*122.01*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,542.58	58.36
		For Solid Pickets, Add	*333.93*	
		For Aluminum With Satin Finish, Add	*383.87*	
		For Third Rail, Add	*102.54*	
		For 1" Square x 14 Gauge Pickets, Add	*136.72*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,707.69	65.75
		For Solid Pickets, Add	*369.44*	
		For Aluminum With Satin Finish, Add	*423.54*	
		For Third Rail, Add	*113.28*	
		For 1" Square x 14 Gauge Pickets, Add	*151.04*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,864.96	73.01
		For Solid Pickets, Add	*403.18*	
		For Aluminum With Satin Finish, Add	*460.86*	
		For Third Rail, Add	*123.43*	
		For 1" Square x 14 Gauge Pickets, Add	*164.58*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,871.91	61.65
		For Solid Pickets, Add	*407.31*	
		For Aluminum With Satin Finish, Add	*478.35*	
		For Third Rail, Add	*126.52*	
		For 1" Square x 14 Gauge Pickets, Add	*168.70*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,023.91	63.84
		For Solid Pickets, Add	*441.00*	
		For Aluminum With Satin Finish, Add	*520.87*	
		For Third Rail, Add	*137.41*	
		For 1" Square x 14 Gauge Pickets, Add	*183.21*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,182.76	68.49
		For Solid Pickets, Add	*475.71*	
		For Aluminum With Satin Finish, Add	*562.37*	
		For Third Rail, Add	*148.30*	
		For 1" Square x 14 Gauge Pickets, Add	*197.73*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,307.32	70.69
		For Solid Pickets, Add	*503.22*	
		For Aluminum With Satin Finish, Add	*596.65*	
		For Third Rail, Add	*157.12*	
		For 1" Square x 14 Gauge Pickets, Add	*209.50*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,412.25	73.01
		For Solid Pickets, Add	*526.32*	
		For Aluminum With Satin Finish, Add	*625.04*	
		For Third Rail, Add	*164.48*	
		For 1" Square x 14 Gauge Pickets, Add	*219.31*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,740.51	87.53
		For Solid Pickets, Add	*596.89*	
		For Aluminum With Satin Finish, Add	*703.80*	
		For Third Rail, Add	*185.81*	
		For 1" Square x 14 Gauge Pickets, Add	*247.75*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,029.55	102.19
		For Solid Pickets, Add	*658.64*	
		For Aluminum With Satin Finish, Add	*770.78*	
		For Third Rail, Add	*204.20*	
		For 1" Square x 14 Gauge Pickets, Add	*272.27*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,281.31	116.71
		For Solid Pickets, Add	*711.99*	
		For Aluminum With Satin Finish, Add	*826.59*	
		For Third Rail, Add	*219.80*	
		For 1" Square x 14 Gauge Pickets, Add	*293.06*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,499.73	131.37
		For Solid Pickets, Add	*757.85*	
		For Aluminum With Satin Finish, Add	*872.39*	
		For Third Rail, Add	*232.89*	
		For 1" Square x 14 Gauge Pickets, Add	*310.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,686.76	146.03
		For Solid Pickets, Add	*796.64*	
		For Aluminum With Satin Finish, Add	*908.77*	
		For Third Rail, Add	*243.63*	
		For 1" Square x 14 Gauge Pickets, Add	*324.84*	
32 31 19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,017.83	31.91
		For Solid Pickets, Add	*221.82*	
		For Aluminum With Satin Finish, Add	*262.20*	
		For Third Rail, Add	*69.15*	
		For 1" Square x 14 Gauge Pickets, Add	*92.20*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,073.73	34.25
		For Solid Pickets, Add	*233.88*	
		For Aluminum With Satin Finish, Add	*275.89*	
		For Third Rail, Add	*72.82*	
		For 1" Square x 14 Gauge Pickets, Add	*97.10*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,127.66	36.44
		For Solid Pickets, Add	*245.50*	
		For Aluminum With Satin Finish, Add	*288.98*	
		For Third Rail, Add	*76.36*	
		For 1" Square x 14 Gauge Pickets, Add	*101.81*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,205.13	38.76
		For Solid Pickets, Add	*262.42*	
		For Aluminum With Satin Finish, Add	*309.14*	
		For Third Rail, Add	*81.65*	
		For 1" Square x 14 Gauge Pickets, Add	*108.87*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,312.76	46.57
		For Solid Pickets, Add	*284.89*	
		For Aluminum With Satin Finish, Add	*330.95*	
		For Third Rail, Add	*87.98*	
		For 1" Square x 14 Gauge Pickets, Add	*117.30*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,453.74	54.25
		For Solid Pickets, Add	*314.87*	
		For Aluminum With Satin Finish, Add	*362.77*	
		For Third Rail, Add	*96.80*	
		For 1" Square x 14 Gauge Pickets, Add	*129.07*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,649.07	62.46
		For Solid Pickets, Add	*356.96*	
		For Aluminum With Satin Finish, Add	*410.27*	
		For Third Rail, Add	*109.60*	
		For 1" Square x 14 Gauge Pickets, Add	*146.14*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,839.08	70.27
		For Solid Pickets, Add	*397.97*	
		For Aluminum With Satin Finish, Add	*456.80*	
		For Third Rail, Add	*122.11*	
		For 1" Square x 14 Gauge Pickets, Add	*162.81*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,025.18	77.95
		For Solid Pickets, Add	*438.10*	
		For Aluminum With Satin Finish, Add	*502.15*	
		For Third Rail, Add	*134.32*	
		For 1" Square x 14 Gauge Pickets, Add	*179.09*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,997.60	53.83
		For Solid Pickets, Add	*437.93*	
		For Aluminum With Satin Finish, Add	*530.12*	
		For Third Rail, Add	*138.29*	
		For 1" Square x 14 Gauge Pickets, Add	*184.39*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,119.33	62.74
		For Solid Pickets, Add	*463.40*	
		For Aluminum With Satin Finish, Add	*555.11*	
		For Third Rail, Add	*145.50*	
		For 1" Square x 14 Gauge Pickets, Add	*194.00*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,242.58	72.20
		For Solid Pickets, Add	*489.10*	
		For Aluminum With Satin Finish, Add	*579.88*	
		For Third Rail, Add	*152.71*	
		For 1" Square x 14 Gauge Pickets, Add	*203.61*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,409.43	81.23
		For Solid Pickets, Add	*524.72*	
		For Aluminum With Satin Finish, Add	*618.41*	
		For Third Rail, Add	*163.30*	
		For 1" Square x 14 Gauge Pickets, Add	*217.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,556.67	90.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*555.93*	
		For Aluminum With Satin Finish, Add	*651.05*	
		For Third Rail, Add	*172.43*	
		For 1" Square x 14 Gauge Pickets, Add	*229.90*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,908.96	100.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*633.04*	
		For Aluminum With Satin Finish, Add	*743.85*	
		For Third Rail, Add	*196.70*	
		For 1" Square x 14 Gauge Pickets, Add	*262.27*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate	3,226.99	111.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*702.23*	
		For Aluminum With Satin Finish, Add	*825.02*	
		For Third Rail, Add	*218.18*	
		For 1" Square x 14 Gauge Pickets, Add	*290.91*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate	3,512.74	123.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*763.92*	
		For Aluminum With Satin Finish, Add	*895.15*	
		For Third Rail, Add	*237.01*	
		For 1" Square x 14 Gauge Pickets, Add	*316.01*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate	3,771.61	137.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*819.23*	
		For Aluminum With Satin Finish, Add	*955.19*	
		For Third Rail, Add	*253.49*	
		For 1" Square x 14 Gauge Pickets, Add	*337.98*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate	4,003.62	152.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*868.15*	
		For Aluminum With Satin Finish, Add	*1,005.12*	
		For Third Rail, Add	*267.61*	
		For 1" Square x 14 Gauge Pickets, Add	*356.82*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate	1,060.78	35.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*230.76*	
		For Aluminum With Satin Finish, Add	*270.77*	
		For Third Rail, Add	*71.65*	
		For 1" Square x 14 Gauge Pickets, Add	*95.53*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	1,115.30	36.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*242.62*	
		For Aluminum With Satin Finish, Add	*284.66*	
		For Third Rail, Add	*75.33*	
		For 1" Square x 14 Gauge Pickets, Add	*100.43*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate	1,170.79	39.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*254.62*	
		For Aluminum With Satin Finish, Add	*298.40*	
		For Third Rail, Add	*79.00*	
		For 1" Square x 14 Gauge Pickets, Add	*105.34*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate	1,238.85	41.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*269.39*	
		For Aluminum With Satin Finish, Add	*315.56*	
		For Third Rail, Add	*83.56*	
		For 1" Square x 14 Gauge Pickets, Add	*111.42*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate	1,392.37	50.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*301.98*	
		For Aluminum With Satin Finish, Add	*349.91*	
		For Third Rail, Add	*93.13*	
		For 1" Square x 14 Gauge Pickets, Add	*124.17*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate	1,555.71	58.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*336.78*	
		For Aluminum With Satin Finish, Add	*387.19*	
		For Third Rail, Add	*103.43*	
		For 1" Square x 14 Gauge Pickets, Add	*137.90*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate	1,737.29	67.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*375.79*	
		For Aluminum With Satin Finish, Add	*430.58*	
		For Third Rail, Add	*115.19*	
		For 1" Square x 14 Gauge Pickets, Add	*153.59*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate	1,912.40	75.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*413.24*	
		For Aluminum With Satin Finish, Add	*471.39*	
		For Third Rail, Add	*126.38*	
		For 1" Square x 14 Gauge Pickets, Add	*168.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate	2,124.78	84.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*459.07*	
		For Aluminum With Satin Finish, Add	*523.40*	
		For Third Rail, Add	*140.35*	
		For 1" Square x 14 Gauge Pickets, Add	*187.14*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate	2,076.35	58.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*454.75*	
		For Aluminum With Satin Finish, Add	*548.32*	
		For Third Rail, Add	*143.30*	
		For 1" Square x 14 Gauge Pickets, Add	*191.06*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	2,203.06	68.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*481.11*	
		For Aluminum With Satin Finish, Add	*573.45*	
		For Third Rail, Add	*150.65*	
		For 1" Square x 14 Gauge Pickets, Add	*200.87*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,328.26	77.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*507.25*	
		For Aluminum With Satin Finish, Add	*598.80*	
		For Third Rail, Add	*158.01*	
		For 1" Square x 14 Gauge Pickets, Add	*210.68*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,478.52	87.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*538.91*	
		For Aluminum With Satin Finish, Add	*630.99*	
		For Third Rail, Add	*167.13*	
		For 1" Square x 14 Gauge Pickets, Add	*222.84*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,711.15	97.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*589.10*	
		For Aluminum With Satin Finish, Add	*687.90*	
		For Third Rail, Add	*182.43*	
		For 1" Square x 14 Gauge Pickets, Add	*243.24*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	3,176.31	108.62
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*691.39*	
		For Aluminum With Satin Finish, Add	*813.21*	
		For Third Rail, Add	*214.94*	
		For 1" Square x 14 Gauge Pickets, Add	*286.59*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	3,330.17	121.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*723.29*	
		For Aluminum With Satin Finish, Add	*843.09*	
		For Third Rail, Add	*223.77*	
		For 1" Square x 14 Gauge Pickets, Add	*298.36*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate	3,657.70	135.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*794.05*	
		For Aluminum With Satin Finish, Add	*923.72*	
		For Third Rail, Add	*245.40*	
		For 1" Square x 14 Gauge Pickets, Add	*327.20*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,960.33	150.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*858.87*	
		For Aluminum With Satin Finish, Add	*994.85*	
		For Third Rail, Add	*264.82*	
		For 1" Square x 14 Gauge Pickets, Add	*353.09*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	4,243.48	167.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*918.85*	
		For Aluminum With Satin Finish, Add	*1,057.42*	
		For Third Rail, Add	*282.32*	
		For 1" Square x 14 Gauge Pickets, Add	*376.43*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,124.32	37.95
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*244.41*	
		For Aluminum With Satin Finish, Add	*285.95*	
		For Third Rail, Add	*75.77*	
		For 1" Square x 14 Gauge Pickets, Add	*101.02*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,181.37	40.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*256.80*	
		For Aluminum With Satin Finish, Add	*300.35*	
		For Third Rail, Add	*79.59*	
		For 1" Square x 14 Gauge Pickets, Add	*106.12*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,238.68	42.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*269.22*	
		For Aluminum With Satin Finish, Add	*314.70*	
		For Third Rail, Add	*83.42*	
		For 1" Square x 14 Gauge Pickets, Add	*111.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,296.11	44.24
		For Solid Pickets, Add	*281.66*	
		For Aluminum With Satin Finish, Add	*329.04*	
		For Third Rail, Add	*87.24*	
		For 1" Square x 14 Gauge Pickets, Add	*116.32*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,501.41	53.83
		For Solid Pickets, Add	*325.69*	
		For Aluminum With Satin Finish, Add	*377.69*	
		For Third Rail, Add	*100.48*	
		For 1" Square x 14 Gauge Pickets, Add	*133.98*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,689.65	63.01
		For Solid Pickets, Add	*365.99*	
		For Aluminum With Satin Finish, Add	*421.83*	
		For Third Rail, Add	*112.55*	
		For 1" Square x 14 Gauge Pickets, Add	*150.06*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,828.27	72.47
		For Solid Pickets, Add	*395.03*	
		For Aluminum With Satin Finish, Add	*450.47*	
		For Third Rail, Add	*120.79*	
		For 1" Square x 14 Gauge Pickets, Add	*161.05*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,985.14	81.65
		For Solid Pickets, Add	*428.27*	
		For Aluminum With Satin Finish, Add	*485.20*	
		For Third Rail, Add	*130.50*	
		For 1" Square x 14 Gauge Pickets, Add	*173.99*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,176.72	91.23
		For Solid Pickets, Add	*469.21*	
		For Aluminum With Satin Finish, Add	*529.73*	
		For Third Rail, Add	*142.71*	
		For 1" Square x 14 Gauge Pickets, Add	*190.28*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,198.25	62.19
		For Solid Pickets, Add	*481.27*	
		For Aluminum With Satin Finish, Add	*579.47*	
		For Third Rail, Add	*151.53*	
		For 1" Square x 14 Gauge Pickets, Add	*202.05*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,330.40	72.74
		For Solid Pickets, Add	*508.74*	
		For Aluminum With Satin Finish, Add	*605.54*	
		For Third Rail, Add	*159.18*	
		For 1" Square x 14 Gauge Pickets, Add	*212.25*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,464.04	83.84
		For Solid Pickets, Add	*536.44*	
		For Aluminum With Satin Finish, Add	*631.40*	
		For Third Rail, Add	*166.83*	
		For 1" Square x 14 Gauge Pickets, Add	*222.45*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,598.15	94.39
		For Solid Pickets, Add	*564.35*	
		For Aluminum With Satin Finish, Add	*658.07*	
		For Third Rail, Add	*174.63*	
		For 1" Square x 14 Gauge Pickets, Add	*232.84*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,925.99	105.48
		For Solid Pickets, Add	*635.75*	
		For Aluminum With Satin Finish, Add	*742.18*	
		For Third Rail, Add	*196.85*	
		For 1" Square x 14 Gauge Pickets, Add	*262.46*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,531.48	117.67
		For Solid Pickets, Add	*769.38*	
		For Aluminum With Satin Finish, Add	*908.23*	
		For Third Rail, Add	*239.66*	
		For 1" Square x 14 Gauge Pickets, Add	*319.55*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,501.54	131.91
		For Solid Pickets, Add	*759.59*	
		For Aluminum With Satin Finish, Add	*880.94*	
		For Third Rail, Add	*234.36*	
		For 1" Square x 14 Gauge Pickets, Add	*312.48*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,796.32	147.13
		For Solid Pickets, Add	*822.64*	
		For Aluminum With Satin Finish, Add	*949.71*	
		For Third Rail, Add	*253.19*	
		For 1" Square x 14 Gauge Pickets, Add	*337.59*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,148.13	164.52
		For Solid Pickets, Add	*898.07*	
		For Aluminum With Satin Finish, Add	*1,032.88*	
		For Third Rail, Add	*275.85*	
		For 1" Square x 14 Gauge Pickets, Add	*367.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,384.81	183.56
		For Solid Pickets, Add	*947.25*	
		For Aluminum With Satin Finish, Add	*1,079.47*	
		For Third Rail, Add	*289.53*	
		For 1" Square x 14 Gauge Pickets, Add	*386.04*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,221.78	41.09
		For Solid Pickets, Add	*265.65*	
		For Aluminum With Satin Finish, Add	*311.06*	
		For Third Rail, Add	*82.39*	
		For 1" Square x 14 Gauge Pickets, Add	*109.85*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,281.59	43.29
		For Solid Pickets, Add	*278.60*	
		For Aluminum With Satin Finish, Add	*325.92*	
		For Third Rail, Add	*86.36*	
		For 1" Square x 14 Gauge Pickets, Add	*115.15*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,345.34	45.62
		For Solid Pickets, Add	*292.43*	
		For Aluminum With Satin Finish, Add	*341.96*	
		For Third Rail, Add	*90.63*	
		For 1" Square x 14 Gauge Pickets, Add	*120.84*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,404.25	50.82
		For Solid Pickets, Add	*304.50*	
		For Aluminum With Satin Finish, Add	*352.54*	
		For Third Rail, Add	*93.86*	
		For 1" Square x 14 Gauge Pickets, Add	*125.15*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,659.48	57.53
		For Solid Pickets, Add	*360.44*	
		For Aluminum With Satin Finish, Add	*420.18*	
		For Third Rail, Add	*111.52*	
		For 1" Square x 14 Gauge Pickets, Add	*148.69*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,850.08	69.32
		For Solid Pickets, Add	*400.65*	
		For Aluminum With Satin Finish, Add	*461.33*	
		For Third Rail, Add	*123.14*	
		For 1" Square x 14 Gauge Pickets, Add	*164.19*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,937.29	80.68
		For Solid Pickets, Add	*417.71*	
		For Aluminum With Satin Finish, Add	*472.08*	
		For Third Rail, Add	*127.11*	
		For 1" Square x 14 Gauge Pickets, Add	*169.48*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,080.79	92.61
		For Solid Pickets, Add	*447.32*	
		For Aluminum With Satin Finish, Add	*499.10*	
		For Third Rail, Add	*135.20*	
		For 1" Square x 14 Gauge Pickets, Add	*180.27*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,206.63	104.52
		For Solid Pickets, Add	*472.97*	
		For Aluminum With Satin Finish, Add	*520.83*	
		For Third Rail, Add	*141.97*	
		For 1" Square x 14 Gauge Pickets, Add	*189.29*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,388.81	66.43
		For Solid Pickets, Add	*523.24*	
		For Aluminum With Satin Finish, Add	*631.21*	
		For Third Rail, Add	*164.92*	
		For 1" Square x 14 Gauge Pickets, Add	*219.90*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,537.84	80.14
		For Solid Pickets, Add	*553.84*	
		For Aluminum With Satin Finish, Add	*658.28*	
		For Third Rail, Add	*173.16*	
		For 1" Square x 14 Gauge Pickets, Add	*230.88*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,683.40	93.29
		For Solid Pickets, Add	*583.76*	
		For Aluminum With Satin Finish, Add	*685.00*	
		For Third Rail, Add	*181.25*	
		For 1" Square x 14 Gauge Pickets, Add	*241.67*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,806.92	107.13
		For Solid Pickets, Add	*608.62*	
		For Aluminum With Satin Finish, Add	*704.43*	
		For Third Rail, Add	*187.58*	
		For 1" Square x 14 Gauge Pickets, Add	*250.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,260.01	120.82
		For Solid Pickets, Add	*707.62*	
		For Aluminum With Satin Finish, Add	*822.72*	
		For Third Rail, Add	*218.62*	
		For 1" Square x 14 Gauge Pickets, Add	*291.49*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,055.00	136.02
		For Solid Pickets, Add	*883.22*	
		For Aluminum With Satin Finish, Add	*1,041.55*	
		For Third Rail, Add	*274.97*	
		For 1" Square x 14 Gauge Pickets, Add	*366.62*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,724.17	153.42
		For Solid Pickets, Add	*805.05*	
		For Aluminum With Satin Finish, Add	*919.93*	
		For Third Rail, Add	*246.43*	
		For 1" Square x 14 Gauge Pickets, Add	*328.57*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,993.28	173.56
		For Solid Pickets, Add	*861.31*	
		For Aluminum With Satin Finish, Add	*974.90*	
		For Third Rail, Add	*262.31*	
		For 1" Square x 14 Gauge Pickets, Add	*349.75*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,403.78	195.61
		For Solid Pickets, Add	*948.92*	
		For Aluminum With Satin Finish, Add	*1,069.57*	
		For Third Rail, Add	*288.36*	
		For 1" Square x 14 Gauge Pickets, Add	*384.47*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,505.98	220.41
		For Solid Pickets, Add	*966.61*	
		For Aluminum With Satin Finish, Add	*1,068.36*	
		For Third Rail, Add	*290.71*	
		For 1" Square x 14 Gauge Pickets, Add	*387.61*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	37.45	
		For 1" Square x 14 Gauge Pickets, Add	*1.01*	

32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences *(32 31 19)*

Note: Including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	61.65	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	67.81	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	73.97	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	80.14	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	86.30	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	92.47	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	102.74	

32 31 26 Wire Fences and Gates *(32 31)*

32 31 26 13 Wire Fences with Steel Posts *(32 31 26)*

32 31 26 13-0001 Chicken Wire *(32 31 26 13)*

Note: Posts at 4'.

32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	11.25	2.54
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	12.43	2.54

32 31 26 13-0004 Wire And Screen *(32 31 26 13)*

32 31 26 13-0005 Screen For Partitions And Ceilings *(32 31 26 13-0004)*

Note: Can be used to support insulation on walls and ceilings.

32 31 26 13-0006	SF	1" Mesh Chicken Wire	2.44	0.80

32 31 26 13-0007 Wicket Fence *(32 31 26 13)*

32 31 26 13-0008	LF	Steel Wicket Fence, Painted	79.00	9.11

32 31 29 Wood Fences and Gates *(32 31)*

See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 29 00-0001 Open Rail Fence *(32 31 29)*

32 31 29 00-0002 Post And Rail Fence, Ranch Style *(32 31 29 00-0001)*

32 31 29 00-0003	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	35.56	5.08
32 31 29 00-0004	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	28.80	5.08
32 31 29 00-0005	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	41.58	5.08
32 31 29 00-0006	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	31.04	5.08

32 31 29 00-0007 Split Rail Fence *(32 31 29 00-0001)*

32 31 29 00-0008	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	33.82	5.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0009	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	28.72	5.08
32 31 29 00-0010	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	38.26	5.08
32 31 29 00-0011	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	32.02	5.08
32 31 29 00-0012		**Picket Fence** *(32 31 29)*		
32 31 29 00-0013	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	40.64	5.08
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0014	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	38.31	5.08
		For Fastening With Screws Instead Of Nails, Add	*2.52*	
32 31 29 00-0015		**Basket Weave** *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0016	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	52.42	5.08
		For Fastening With Screws Instead Of Nails, Add	*3.15*	
32 31 29 00-0017	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	36.52	5.08
		For Fastening With Screws Instead Of Nails, Add	*2.39*	
32 31 29 00-0018		**Board Fence** *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0019	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	36.03	5.08
		For 1" x 6" Boards, Deduct	*-4.02*	
		For 1" x 3" Boards (Stockade Top), Add	*5.06*	
		For Fastening With Screws Instead Of Nails, Add	*2.39*	
32 31 29 00-0020	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	39.90	5.08
		For 1" x 6" Boards, Deduct	*-4.36*	
		For 1" x 3" Boards (Stockade Top), Add	*5.47*	
		For Fastening With Screws Instead Of Nails, Add	*2.62*	
32 31 29 00-0021	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	44.13	5.08
		For 1" x 6" Boards, Deduct	*-4.64*	
		For 1" x 3" Boards (Stockade Top), Add	*5.76*	
		For Fastening With Screws Instead Of Nails, Add	*2.86*	
32 31 29 00-0022	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	46.96	5.08
		For 1" x 6" Boards, Deduct	*-4.86*	
		For 1" x 3" Boards (Stockade Top), Add	*6.02*	
		For Fastening With Screws Instead Of Nails, Add	*3.03*	
32 31 29 00-0023	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	50.01	5.08
		For 1" x 6" Boards, Deduct	*-5.10*	
		For 1" x 3" Boards (Stockade Top), Add	*6.29*	
		For Fastening With Screws Instead Of Nails, Add	*3.21*	
32 31 29 00-0024	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	38.16	5.08
		For 1" x 6" Boards, Deduct	*-4.10*	
		For 1" x 3" Boards (Stockade Top), Add	*5.12*	
		For Fastening With Screws Instead Of Nails, Add	*2.49*	
32 31 29 00-0025	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	41.54	5.08
		For 1" x 6" Boards, Deduct	*-4.43*	
		For 1" x 3" Boards (Stockade Top), Add	*5.52*	
		For Fastening With Screws Instead Of Nails, Add	*2.71*	
32 31 29 00-0026	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	44.13	5.08
		For 1" x 6" Boards, Deduct	*-4.64*	
		For 1" x 3" Boards (Stockade Top), Add	*5.76*	
		For Fastening With Screws Instead Of Nails, Add	*2.86*	
32 31 29 00-0027	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	46.96	5.08
		For 1" x 6" Boards, Deduct	*-4.86*	
		For 1" x 3" Boards (Stockade Top), Add	*6.02*	
		For Fastening With Screws Instead Of Nails, Add	*3.03*	
32 31 29 00-0028	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	50.01	5.08
		For 1" x 6" Boards, Deduct	*-5.10*	
		For 1" x 3" Boards (Stockade Top), Add	*6.29*	
		For Fastening With Screws Instead Of Nails, Add	*3.21*	
32 31 29 00-0029	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	38.17	5.08
		For 1" x 6" Boards, Deduct	*-4.10*	
		For 1" x 3" Boards (Stockade Top), Add	*5.12*	
		For Fastening With Screws Instead Of Nails, Add	*2.49*	
32 31 29 00-0030	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	48.82	5.08
		For 1" x 6" Boards, Deduct	*-4.72*	
		For 1" x 3" Boards (Stockade Top), Add	*5.74*	
		For Fastening With Screws Instead Of Nails, Add	*3.07*	
32 31 29 00-0031	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	51.10	5.08
		For 1" x 6" Boards, Deduct	*-4.92*	
		For 1" x 3" Boards (Stockade Top), Add	*5.97*	
		For Fastening With Screws Instead Of Nails, Add	*3.21*	
32 31 29 00-0032	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	54.76	5.08
		For 1" x 6" Boards, Deduct	*-5.18*	
		For 1" x 3" Boards (Stockade Top), Add	*6.26*	
		For Fastening With Screws Instead Of Nails, Add	*3.42*	
32 31 29 00-0033	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	58.71	5.08
		For 1" x 6" Boards, Deduct	*-5.45*	
		For 1" x 3" Boards (Stockade Top), Add	*6.55*	
		For Fastening With Screws Instead Of Nails, Add	*3.64*	
32 31 29 00-0034	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted	41.19	5.08
32 31 29 00-0035	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted	43.74	5.08
32 31 29 00-0036	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted	50.50	5.08
32 31 29 00-0037		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0038	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	70.94	5.08
		For Fastening With Screws Instead Of Nails, Add	*4.08*	
32 31 29 00-0039	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	88.82	5.08
		For Fastening With Screws Instead Of Nails, Add	*5.07*	
32 31 29 00-0040	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	96.49	5.08
		For Fastening With Screws Instead Of Nails, Add	*5.48*	
32 31 29 00-0041	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	103.66	5.08
		For Fastening With Screws Instead Of Nails, Add	*5.88*	

32 31 29 00-0042 Wood Fence Post Accessories *(32 31 29)*

32 31 29 00-0043	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	55.49	
32 31 29 00-0044	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	61.29	
32 31 29 00-0045	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	67.01	
32 31 29 00-0046	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	95.99	

32 31 29 00-0047 Wood Gate *(32 31 29)*

32 31 29 00-0048 Board Fence Gates, Pressure Treated Wood *(32 31 29 00-0047)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).

32 31 29 00-0049	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	535.97	175.66
32 31 29 00-0050	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	590.28	186.20
32 31 29 00-0051	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	658.65	203.77
32 31 29 00-0052	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	742.51	214.31
32 31 29 00-0053	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	826.37	224.85
32 31 29 00-0054	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	685.32	231.87
32 31 29 00-0055	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	743.33	242.42
32 31 29 00-0056	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	801.33	252.96
32 31 29 00-0057	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	896.27	263.50
32 31 29 00-0058	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	972.74	274.03

32 31 29 00-0059 Board Fence Gates, Grade 2 Cedar *(32 31 29 00-0047)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0060	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	815.94	158.70
32 31 29 00-0061	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	846.07	168.23
32 31 29 00-0062	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	892.57	184.10
32 31 29 00-0063	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	941.16	193.62
32 31 29 00-0064	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,000.83	203.14
32 31 29 00-0065	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	972.91	209.49
32 31 29 00-0066	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,010.41	219.02
32 31 29 00-0067	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,066.38	228.53
32 31 29 00-0068	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,122.35	238.06
32 31 29 00-0069	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,178.33	247.58

32 31 29 00-0070 Board Fence Gates, Grade 1 Cedar *(32 31 29 00-0047)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0071	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	871.33	158.70
32 31 29 00-0072	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	908.84	168.23
32 31 29 00-0073	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	959.04	184.10
32 31 29 00-0074	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,015.02	193.62
32 31 29 00-0075	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,070.99	203.14
32 31 29 00-0076	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,046.77	209.49
32 31 29 00-0077	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,084.27	219.02
32 31 29 00-0078	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,140.24	228.53
32 31 29 00-0079	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,196.21	238.06
32 31 29 00-0080	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,270.65	247.58

32 32 Retaining Walls *(32 30)*

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	80.68	12.14
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	85.11	12.79
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	89.01	14.06
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	93.12	15.34

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	83.63	12.14
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	88.06	12.79
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	91.95	14.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	96.06	15.34
32 32 23 13-0012		"Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	90.67	12.14
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	95.10	12.79
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	99.00	14.06
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	103.11	15.34
32 32 23 13-0017		"Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	80.68	12.14
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	85.11	12.79
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	89.01	14.06
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	93.12	15.34
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0022		"Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	71.74	12.14
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	79.11	12.79
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	83.06	14.06
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	86.62	15.34
32 32 23 13-0027		Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*		
		Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	45.33	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	889.79	177.81
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,349.91	292.12
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,307.15	444.53

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	779.84	158.76
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	1,113.45	264.18
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,893.97	396.90

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	159.83	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,223.09	311.55

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	685.95	190.51
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	913.54	206.39
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,141.11	222.26
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,396.66	238.14
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,652.22	254.02
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,795.87	269.89

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	767.97	190.51
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	972.67	206.39
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,177.35	222.26
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,360.42	238.14
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,565.11	254.02
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,813.03	269.89

32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	685.95	190.51
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	913.54	206.39
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,141.11	222.26
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,396.66	238.14
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,652.22	254.02
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,795.87	269.89
32 33 13 00-0037		Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	789.59	190.51
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	1,015.90	206.39
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,220.59	222.26
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,468.51	238.14
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,673.20	254.02
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,942.74	269.89
32 33 13 00-0044		Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,237.04	190.51
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,818.51	206.39
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,400.00	222.26
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,060.02	238.14
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,720.02	254.02
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,065.90	269.89
32 33 13 00-0051		Stainless Steel, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	984.14	190.51
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	2,096.76	206.39
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,733.79	222.26
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,327.59	238.14
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,943.00	254.02
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,580.03	269.89
32 33 13 00-0058		Bike Racks Bollards/Bicycle Posts *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	729.41	142.88
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		Precast Concrete Planters *(32 33 33)*		
32 33 33 00-0002		Circular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	650.22	36.48
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	730.45	43.77
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	796.10	43.77
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	866.67	51.06
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,052.24	65.66
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,141.05	65.66
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,284.99	72.95
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,354.49	72.95
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,516.46	91.19
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,613.08	97.03
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,681.22	102.12
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,525.45	91.19
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,679.29	102.12
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,136.01	109.43
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,769.70	138.60
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,207.11	145.89
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,326.24	94.83
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,513.76	102.12
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,359.10	116.72
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,516.57	124.01
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	759.41	43.77
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	901.65	65.66
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,043.65	72.95
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,194.04	91.19
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,098.27	36.48
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,494.08	36.48
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,397.87	36.48
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,758.26	36.48

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0035		**Tapered Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	814.46	36.48
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,195.56	36.48
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,133.69	36.48
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,980.79	36.48
32 33 33 00-0040		**Square Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,070.54	36.48
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,094.42	36.48
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,107.05	36.48
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,256.26	36.48
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,364.97	36.48
32 33 33 00-0046		**Rectangular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,232.63	36.48
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,321.78	36.48
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,723.25	36.48
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,901.55	36.48
32 33 33 00-0051		**Timber Planters** *(32 33 33)*		
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	605.73	75.82
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	605.73	75.82
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,106.43	75.82
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	965.39	75.82
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,141.69	75.82
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,862.40	75.82
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,279.86	75.82
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	598.68	75.82
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	662.15	75.82
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	852.55	75.82
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	937.18	75.82
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,191.05	75.82
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,374.41	75.82
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,529.55	75.82
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,973.83	75.82
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	2,220.66	75.82
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,523.90	75.82
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,404.01	75.82
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,714.30	75.82
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	3,031.65	75.82
32 33 43		**Site Seating and Tables** *(32 33)*		
32 33 43 13		**Site Seating** *(32 33 43)*		
32 33 43 13-0001		**Benches (Landscapeforms)** *(32 33 43 13)*		
		Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,710.78	126.37
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,119.03	126.37
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,381.48	126.37
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	208.99	31.60
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,862.92	126.37
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,097.48	126.37
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,281.32	126.37
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,566.58	126.37
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,598.28	126.37
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,883.55	126.37
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,349.61	126.37
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,633.87	126.37
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	982.48	94.78
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,057.28	94.78
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,148.73	110.57
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,328.26	110.57
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,223.53	110.57
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,298.33	110.57
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,404.72	126.37
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,599.21	126.37
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,358.18	110.57
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,464.56	126.37
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,539.36	126.37
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,733.85	126.37
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,712.39	126.37
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,105.42	126.37
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,769.10	126.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,119.03	126.37
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,293.99	126.37
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,236.94	126.37
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,471.50	126.37
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,725.07	126.37
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,959.62	126.37
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,200.51	126.37
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,826.50	126.37
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,061.05	126.37
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,447.75	126.37
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,694.98	126.37
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,923.19	126.37
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	646.41	31.60
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	861.94	31.60
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	861.94	31.60
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	785.87	31.60
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	969.71	31.60
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	969.71	31.60
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	969.71	31.60
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	208.99	31.60
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	899.98	31.60
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	995.07	31.60
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,090.16	31.60
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,083.82	31.60
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,178.91	31.60
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,274.00	31.60
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,071.14	31.60
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,166.23	31.60
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,261.32	31.60
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,305.69	31.60
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,400.78	31.60
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,495.87	31.60
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,305.69	31.60
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,400.78	31.60
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,495.87	31.60
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,837.56	126.37
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,862.92	126.37
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,249.62	126.37
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,712.39	126.37
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,187.84	126.37
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,637.93	126.37
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,495.24	126.37
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,964.35	126.37
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,008.73	126.37
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,300.33	126.37
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,585.60	126.37
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,883.55	126.37
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,175.16	126.37
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,585.60	126.37
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,111.76	126.37
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,625.25	126.37
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,923.19	126.37
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,557.12	126.37
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,848.73	126.37
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,134.00	126.37
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,267.14	110.57
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,514.38	110.57
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,647.50	110.57
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,926.32	126.37
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,173.55	126.37

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	927.78	63.19
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,059.91	63.19
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,350.53	63.19
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	967.45	63.19
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,099.55	63.19
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,403.38	63.19
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,403.38	63.19
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,627.95	63.19
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,090.29	63.19
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,469.43	63.19
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,694.00	63.19
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,182.76	63.19
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,684.74	63.19
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,147.09	63.19
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,111.42	63.19
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,750.79	63.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,213.14	63.19
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,203.89	63.19
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,073.13	63.19
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,205.23	63.19
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,112.76	63.19
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,244.86	63.19
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,773.26	63.19
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,090.29	63.19
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,878.94	63.19
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,195.97	63.19
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,140.75	94.78
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,193.59	94.78
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,603.10	94.78
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	874.98	63.19
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	1,007.08	63.19
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,139.18	63.19
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,456.22	63.19
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,588.32	63.19
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	888.19	63.19
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	1,020.29	63.19
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,152.39	63.19
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,495.85	63.19
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,627.95	63.19
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,482.64	63.19
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,707.21	63.19
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,195.97	63.19
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,420.54	63.19
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,509.06	63.19
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,733.63	63.19
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,235.60	63.19
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,460.17	63.19
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,482.64	63.19
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,077.08	63.19
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,852.52	63.19
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,433.75	63.19
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,658.32	63.19
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,694.00	63.19
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,116.71	63.19
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,878.94	63.19
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,473.38	63.19
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,697.95	63.19
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,576.68	94.78
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,814.46	94.78
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,316.43	94.78
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,721.99	94.78
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,959.77	94.78
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,541.00	94.78
32 33 43 13-0154		Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*		
		Note: Includes powder coated steel frames.		
32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,258.07	63.19
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,707.21	63.19
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,297.70	63.19
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,746.84	63.19
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,958.20	63.19
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,288.44	63.19
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,063.87	63.19
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,394.12	63.19
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,272.85	94.78
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,523.84	94.78
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,788.04	94.78
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	1,033.46	63.19
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,376.95	63.19
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,641.15	63.19
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,073.13	63.19
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,416.59	63.19
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,694.00	63.19
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,627.95	63.19
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,182.76	63.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,645.11	63.19
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,694.00	63.19
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,275.23	63.19
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,737.58	63.19
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,147.09	63.19
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,322.78	63.19
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,785.13	63.19
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,213.14	63.19
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,415.25	63.19
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,877.60	63.19
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,984.61	63.19
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,750.79	63.19
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,631.90	63.19
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	3,014.99	63.19
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,045.37	63.19
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	2,011.03	63.19
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,790.42	63.19
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,671.53	63.19
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,054.62	63.19
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,111.42	63.19
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,906.93	94.78
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,554.21	94.78
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,148.66	94.78
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,131.49	94.78
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,831.62	94.78
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,109.03	94.78
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	927.82	63.19
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,205.23	63.19
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,614.74	63.19
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,892.15	63.19
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,195.97	63.19
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	954.24	63.19
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,231.65	63.19
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,654.37	63.19
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,931.78	63.19
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,248.81	63.19
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,773.26	63.19
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,420.54	63.19
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,975.36	63.19
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,345.24	63.19
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,799.68	63.19
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,460.17	63.19
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	3,014.99	63.19
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,398.08	63.19

32 33 43 53 Site Tables *(32 33 43)*

32 33 43 53-0001 Tables *(32 33 43 53)*

32 33 43 53-0002 Tables (Wabash) *(32 33 43 53-0001)*

32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,706.19	113.73
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	8,076.16	113.73
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,493.91	113.73
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,676.88	126.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0007		Tables (Landscapeforms) *(32 33 43 53-0001)*		
32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	873.99	118.16
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,076.85	118.16
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,076.85	118.16
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,076.85	118.16
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	3,121.15	118.16
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,780.35	118.16
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,467.94	118.16
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,483.57	113.73
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,328.26	88.46
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,118.80	88.46
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,896.13	113.73
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,780.35	118.16
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,780.35	118.16
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,589.75	118.16
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,589.75	118.16
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,964.95	118.16
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,964.95	118.16
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,774.35	118.16
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,774.35	118.16
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,893.95	118.16
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,893.95	118.16
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,760.15	118.16
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,760.15	118.16
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,078.55	118.16
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,078.55	118.16
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,944.75	118.16
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,944.75	118.16
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,950.75	118.16
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,950.75	118.16
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,774.35	118.16
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,774.35	118.16
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,135.35	118.16
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,135.35	118.16
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,958.95	118.16
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,958.95	118.16
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,092.75	118.16
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,092.75	118.16
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,987.35	118.16
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,987.35	118.16
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,277.35	118.16
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,277.35	118.16
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,171.95	118.16
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,171.95	118.16
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,585.60	118.16
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,585.60	118.16
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,384.35	118.16
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,384.35	118.16
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,687.03	118.16
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,687.03	118.16
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,473.10	118.16
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,473.10	118.16
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,699.71	118.16
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,699.71	118.16
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,536.50	118.16
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,536.50	118.16
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,788.46	118.16
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,788.46	118.16
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,625.25	118.16
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,625.25	118.16
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,750.42	118.16
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,750.42	118.16
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,561.85	118.16
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,561.85	118.16
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,845.51	118.16
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,845.51	118.16
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,650.60	118.16
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,650.60	118.16
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,908.91	118.16
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,908.91	118.16
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,809.09	118.16
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,809.09	118.16
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,997.66	118.16
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,997.66	118.16
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,897.84	118.16
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,897.84	118.16
32 33 43 53-0084		Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*		
32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,963.15	147.60
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	6,042.50	147.60
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,198.61	147.60
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,218.00	147.60
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,819.44	147.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	3,059.29	147.60
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,414.68	147.60
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,624.55	147.60
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,134.25	147.60
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,344.12	147.60
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	5,023.11	147.60
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,789.46	147.60
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,999.33	147.60
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,678.32	147.60
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,449.06	147.60
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,688.92	147.60
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	4,018.72	147.60
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,258.57	147.60
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	5,023.11	147.60
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,262.97	147.60
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	5,023.11	147.60
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,262.97	147.60
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,190.73	59.02
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,580.50	59.02
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	348.02	29.57
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,449.06	147.60
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,928.77	147.60
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,688.92	147.60
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,168.63	147.60
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,823.83	147.60
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,303.55	147.60
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	4,063.69	147.60
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,543.40	147.60
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,199.53	59.02
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,589.29	59.02
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,574.30	59.02
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	3,964.07	59.02
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	8,051.30	147.60
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	8,890.79	147.60
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	8,051.30	147.60
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	8,890.79	147.60
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	2,039.90	147.60
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,234.79	147.60
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,429.67	147.60
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,174.82	147.60
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,369.71	147.60
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,564.59	147.60
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,994.93	147.60
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,129.85	147.60
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,264.77	147.60
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,129.85	147.60
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,264.77	147.60
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,399.69	147.60
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,934.97	147.60
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,129.85	147.60
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,324.73	147.60
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,934.97	147.60
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,129.85	147.60
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,324.73	147.60
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,934.97	147.60
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,129.85	147.60
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,324.73	147.60
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,845.02	147.60
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,979.94	147.60
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,114.86	147.60
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,845.02	147.60
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,979.94	147.60
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,114.86	147.60
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,845.02	147.60
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,979.94	147.60
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,114.86	147.60
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,770.07	147.60
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,964.95	147.60
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,159.83	147.60
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,904.99	147.60
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,099.87	147.60
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,294.75	147.60
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,650.14	147.60
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,770.07	147.60
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,904.99	147.60
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,770.07	147.60
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,904.99	147.60
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	2,039.90	147.60
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,860.01	147.60
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	2,054.90	147.60
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,249.78	147.60
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,860.01	147.60
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	2,054.90	147.60
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,249.78	147.60
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,860.01	147.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	2,054.90	147.60
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,249.78	147.60
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,755.08	147.60
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,890.00	147.60
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	2,024.91	147.60
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,755.08	147.60
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,890.00	147.60
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	2,024.91	147.60
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,755.08	147.60
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,890.00	147.60
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	2,024.91	147.60
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,650.14	147.60
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,710.10	147.60
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,770.07	147.60
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,785.06	147.60
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,845.02	147.60
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,904.99	147.60
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,635.15	147.60
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,680.12	147.60
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,725.09	147.60
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,770.07	147.60
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,815.04	147.60
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,860.01	147.60
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,680.12	147.60
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,740.08	147.60
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,800.05	147.60
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,680.12	147.60
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,740.08	147.60
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,800.05	147.60
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,680.12	147.60
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,740.08	147.60
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,800.05	147.60
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,680.12	147.60
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,725.09	147.60
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,770.07	147.60
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,680.12	147.60
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,725.09	147.60
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,770.07	147.60
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,680.12	147.60
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,725.09	147.60
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,770.07	147.60
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,710.10	147.60
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,770.07	147.60
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,830.03	147.60
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,845.02	147.60
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,904.99	147.60
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,964.95	147.60
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,815.04	147.60
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,860.01	147.60
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,904.99	147.60
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,949.96	147.60
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,994.93	147.60
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	2,039.90	147.60
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,785.06	147.60
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,845.02	147.60
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,904.99	147.60
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,785.06	147.60
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,845.02	147.60
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,904.99	147.60
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,785.06	147.60
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,845.02	147.60
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,904.99	147.60
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,890.00	147.60
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,934.97	147.60
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,979.94	147.60
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,890.00	147.60
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,934.97	147.60
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,979.94	147.60
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,890.00	147.60
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,934.97	147.60
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,979.94	147.60
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,455.26	147.60
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,500.23	147.60
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,545.20	147.60
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,590.18	147.60
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,635.15	147.60
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,680.12	147.60
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,710.10	147.60
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,770.07	147.60
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,830.03	147.60
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,545.20	147.60
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,605.17	147.60
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,665.13	147.60
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,425.27	147.60
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,470.25	147.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,515.22	147.60
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,560.19	147.60
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,605.17	147.60
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,650.14	147.60
32 33 43 53-0264		Picnic Tables *(32 33 43 53)*		
32 33 43 53-0265		Wooden Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	1,044.25	94.78
32 33 43 53-0267		Portable Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,484.55	63.19
32 33 43 53-0269	EA	6' Aluminum Table And Frame	2,140.92	63.19
32 33 43 53-0270	EA	8' Aluminum Table And Frame	2,556.25	78.98
32 33 43 53-0271	EA	6' Steel Table And Frame	1,350.75	63.19
32 33 43 53-0272	EA	8' Steel Table And Frame	1,549.74	78.98
32 33 43 53-0273		Concrete Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,730.54	252.74
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	3,142.99	
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	3,152.67	
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	3,356.51	
32 33 43 53-0278		Plastic Picnic Tables *(32 33 43 53-0264)* Note: Manufactured from recycled plastic.		
32 33 43 53-0279		Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0278)*		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,643.22	94.78
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,797.63	94.78
32 33 43 53-0282		Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0278)*		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,143.95	94.78
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,351.30	94.78
32 33 43 53-0285		Recycled Plastic Tables *(32 33 43 53-0278)*		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	2,798.33	94.78
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,335.91	94.78
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,548.42	94.78
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,385.21	94.78
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,993.42	94.78
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,203.57	75.82

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes core drilling (where needed), augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001		Metal Pipe Bollards *(32 39 13)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002		Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*		
32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	78.49	16.97
		For Galvanized Steel, Add	*7.57*	
		For 304 Stainless Steel, Add	*60.14*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*159.76*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*103.60*	
		For Schedule 80, Add	*10.08*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*12.39*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	104.21	16.97
		For Galvanized Steel, Add	*11.95*	
		For 304 Stainless Steel, Add	*94.86*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*159.76*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*103.60*	
		For Schedule 80, Add	*13.93*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*17.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	146.65	21.22
		For Galvanized Steel, Add	*17.72*	
		For 304 Stainless Steel, Add	*140.71*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*207.68*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*218.09*	
		For Schedule 80, Add	*19.88*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*23.18*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	193.51	25.45
		For Galvanized Steel, Add	*24.24*	
		For 304 Stainless Steel, Add	*192.51*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*241.64*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*234.51*	
		For Schedule 80, Add	*26.48*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*28.28*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	244.85	33.94
		For Galvanized Steel, Add	*30.08*	
		For 304 Stainless Steel, Add	*238.91*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*321.07*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*326.35*	
		For Schedule 80, Add	*33.33*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*32.89*	

32 39 23 Manufactured Concrete Bollards *(32 39)*

32 39 23 00-0001 Concrete Bollards *(32 39 23)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.

32 39 23 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*

32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	739.69	135.76
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast. Note: Surface mounted with anchor bolts embedded into grout pockets.	739.69	135.76

32 39 25 Manufactured Wood Bollards *(32 39)*

32 39 25 00-0001 Wood Bollards *(32 39 25)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 25 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*

32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	31.10	13.57
		For Each Sleeve For Removable, Lockable Bollard, Add	*147.53*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	35.26	13.57
		For Each Sleeve For Removable, Lockable Bollard, Add	*147.53*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	44.96	15.28
		For Each Sleeve For Removable, Lockable Bollard, Add	*229.10*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	63.22	20.37
		For Each Sleeve For Removable, Lockable Bollard, Add	*248.82*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	86.68	27.15
		For Each Sleeve For Removable, Lockable Bollard, Add	*353.62*	

32 39 27 Manufactured Plastic Bollards *(32 39)*

32 39 27 00-0001 Plastic Bollards *(32 39 27)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.

32 39 27 00-0002 Recycled Plastic Bollards *(32 39 27 00-0001)*

32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	389.94	67.88
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	616.21	67.88

32 39 27 00-0005 Plastic Bollard Covers *(32 39 27 00-0001)*

32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	99.85	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	108.25	17.96
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	133.45	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	133.45	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	149.14	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	133.45	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	135.69	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	133.45	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	135.69	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	187.23	16.33
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	136.71	17.96
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	172.56	17.96
		For Reflective Tape, Add	*10.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	195.63	17.96
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	166.87	19.60
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	180.32	19.60
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	180.32	19.60
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	240.83	19.60
		For Reflective Tape, Add	*10.67*	

32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,795.41	169.70
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,275.33	237.58
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,117.70	169.70
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,648.12	135.76
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,455.56	135.76

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	63.18	15.66
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	95.13	15.66
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	92.90	15.66
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	122.91	15.66

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	186.34	15.66
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	187.99	15.66
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	77.13	15.66
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	78.46	15.66
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	201.71	15.66
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	97.00	15.66
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	107.34	15.66

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	75.79	15.66
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	75.79	15.66
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	75.79	15.66
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	86.67	15.66

32 84 13 00-0020 Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	5.66	2.20
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	5.36	2.51
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	4.61	2.20
		For Shallow Trenching And Backfill By Hand, Add	*8.98*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	5.39	2.51
		For Shallow Trenching And Backfill By Hand, Add	*9.72*	

32 84 13 00-0025 Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	4.11	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	4.15	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	4.21	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	4.40	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	4.08	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	4.30	
		For Compression Fitting, Add	*0.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	4.42	
		For Compression Fitting, Add	*0.51*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	4.47	
		For Compression Fitting, Add	*0.56*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	4.50	
		For Compression Fitting, Add	*0.59*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	4.74	
		For Compression Fitting, Add	*0.83*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	5.01	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.47	
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	8.44	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	9.49	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	19.21	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	32.94	14.09
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	33.00	14.09
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	35.92	14.09
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	36.23	14.09
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	51.91	18.47
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	55.68	18.47
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	55.12	18.47
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	6.11	2.74
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	46.02	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	43.89	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	51.80	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	58.42	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	46.87	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	58.00	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	63.35	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	50.04	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	60.18	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	65.19	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	51.31	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	66.88	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	71.81	17.30
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0017		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0016)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0018	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	61.66	17.30
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0019	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	63.42	17.30
		For Non-Potable Cover, Add	*2.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0020		**3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0016)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	57.44	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0022	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	76.46	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	60.96	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	79.28	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	62.37	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	65.19	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	83.50	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	94.78	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	64.83	17.30
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0030	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	76.11	17.30
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0031		**1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0016)* Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0032	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	102.88	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*51.86*	
32 84 23 00-0033		**1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0016)* Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	143.74	17.30
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0035		**Impact-Drive Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0036	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	83.15	17.30
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0037	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	66.24	17.30
32 84 23 00-0038	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	122.58	17.30
32 84 23 00-0039		**Electric Remote Control Irrigation Valves** *(32 84 23)*		
32 84 23 00-0040		**0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series)** *(32 84 23 00-0039)* Note: 15 to 150 PSI.		
32 84 23 00-0041	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	194.00	72.09
32 84 23 00-0042	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	194.00	72.09
32 84 23 00-0043	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	195.41	72.09
32 84 23 00-0044		**0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)** *(32 84 23 00-0039)* Note: 15 to 150 PSI.		
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	195.41	72.09
32 84 23 00-0046		**0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)** *(32 84 23 00-0039)* Note: 20 to 200 PSI.		
32 84 23 00-0047	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	308.14	72.09
32 84 23 00-0048	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	357.45	72.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0049	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	420.86	72.09
32 84 23 00-0050		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0051	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	433.84	81.02
32 84 23 00-0052	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	483.16	81.02
32 84 23 00-0053	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	546.57	81.02
32 84 23 00-0054		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0055	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	504.29	81.02
32 84 23 00-0056	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	553.61	81.02
32 84 23 00-0057	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	617.02	81.02
32 84 23 00-0058		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0059	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	448.40	72.09
32 84 23 00-0060	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	675.14	72.09
32 84 23 00-0061	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	695.64	72.09
32 84 23 00-0062	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,612.55	97.31
32 84 23 00-0063		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) *(32 84 23 00-0039)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0064	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	418.55	81.02
32 84 23 00-0065	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	485.97	81.02
32 84 23 00-0066	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	559.18	81.02
32 84 23 00-0067	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	655.56	81.02
32 84 23 00-0068		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	545.28	81.02
32 84 23 00-0070	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	814.30	81.02
32 84 23 00-0071	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	837.35	81.02
32 84 23 00-0072	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,716.12	81.02
32 84 23 00-0073		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	550.88	72.09
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	777.62	72.09
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	798.12	72.09
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,715.03	97.31
32 84 23 00-0078		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) *(32 84 23 00-0039)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	524.23	81.02
32 84 23 00-0080	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	591.66	81.02
32 84 23 00-0081	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	664.86	81.02
32 84 23 00-0082	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	761.24	81.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0083		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	647.76	81.02
32 84 23 00-0085	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	916.78	81.02
32 84 23 00-0086	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	939.83	81.02
32 84 23 00-0087	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,818.60	81.02
32 84 23 00-0088		Irrigation Valve Boxes *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0089	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	120.84	51.90
32 84 23 00-0090	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	137.48	51.90
32 84 23 00-0091	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	180.43	68.33
32 84 23 00-0092	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	298.59	99.76
32 84 23 00-0093	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	303.91	99.76
32 84 23 00-0094	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	342.08	99.76
32 84 23 00-0095	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	346.62	99.76
32 84 23 00-0096	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	564.72	99.76
32 84 23 00-0097	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	847.21	99.76
32 84 23 00-0098		Irrigation Controllers *(32 84 23)*		
		See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0099		Irrigation Controllers *(32 84 23 00-0098)*		
32 84 23 00-0100		Irrigation Controllers (Rain Bird®) *(32 84 23 00-0099)*		
32 84 23 00-0101		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0100)*		
32 84 23 00-0102		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0101)*		
32 84 23 00-0103		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0102)*		
32 84 23 00-0104	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	472.15	50.55
32 84 23 00-0105	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	660.52	50.55
32 84 23 00-0106	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	848.90	50.55
32 84 23 00-0107	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,037.26	50.55
32 84 23 00-0108	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,175.09	50.55
32 84 23 00-0109	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,369.77	50.55
32 84 23 00-0110	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,564.47	50.55
32 84 23 00-0111		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0102)*		
32 84 23 00-0112	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	544.22	50.55
32 84 23 00-0113	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	732.60	50.55
32 84 23 00-0114	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	920.98	50.55
32 84 23 00-0115	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,109.34	50.55
32 84 23 00-0116	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,247.17	50.55
32 84 23 00-0117	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,441.85	50.55
32 84 23 00-0118	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,636.54	50.55
32 84 23 00-0119		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0101)*		
32 84 23 00-0120		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0119)*		
32 84 23 00-0121	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	722.51	50.55
32 84 23 00-0122	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	910.88	50.55
32 84 23 00-0123	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,099.26	50.55
32 84 23 00-0124	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,287.63	50.55
32 84 23 00-0125	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,425.46	50.55
32 84 23 00-0126	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,620.14	50.55
32 84 23 00-0127	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,814.83	50.55
32 84 23 00-0128		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0119)*		
32 84 23 00-0129	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	776.52	50.55
32 84 23 00-0130	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	964.89	50.55
32 84 23 00-0131	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,153.27	50.55
32 84 23 00-0132	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,341.63	50.55
32 84 23 00-0133	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,479.46	50.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0134	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,674.14	50.55
32 84 23 00-0135	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,868.83	50.55
32 84 23 00-0136		Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0101)*		
32 84 23 00-0137	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	194.69	
32 84 23 00-0138	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	374.34	
32 84 23 00-0139	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	488.13	
32 84 23 00-0140		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0100)*		
32 84 23 00-0141		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) *(32 84 23 00-0140)*		
32 84 23 00-0142	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,097.71	50.55
32 84 23 00-0143	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,333.79	50.55
32 84 23 00-0144	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,573.35	50.55
32 84 23 00-0145	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,809.43	50.55
32 84 23 00-0146	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,049.01	50.55
32 84 23 00-0147	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,285.08	50.55
32 84 23 00-0148	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,524.66	50.55
32 84 23 00-0149	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,760.73	50.55
32 84 23 00-0150	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	3,000.30	50.55
32 84 23 00-0151	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	3,236.39	50.55
32 84 23 00-0152		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0140)*		
32 84 23 00-0153	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,071.36	50.55
32 84 23 00-0154	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,307.43	50.55
32 84 23 00-0155	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,547.01	50.55
32 84 23 00-0156	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,783.08	50.55
32 84 23 00-0157	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,022.66	50.55
32 84 23 00-0158	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,258.74	50.55
32 84 23 00-0159	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,498.30	50.55
32 84 23 00-0160	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,734.38	50.55
32 84 23 00-0161	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,973.95	50.55
32 84 23 00-0162	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,210.03	50.55
32 84 23 00-0163	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,449.61	50.55
32 84 23 00-0164		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0140)*		
32 84 23 00-0165	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	764.29	
32 84 23 00-0166	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,764.52	
32 84 23 00-0167	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,646.89	
32 84 23 00-0168	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,652.07	
32 84 23 00-0169	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	236.07	
32 84 23 00-0170	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	475.65	
32 84 23 00-0171	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	735.76	
32 84 23 00-0172	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	267.13	
32 84 23 00-0173		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0100)*		
32 84 23 00-0174		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0173)*		
32 84 23 00-0175	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	518.67	50.55
32 84 23 00-0176	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	630.38	50.55
32 84 23 00-0177	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	794.41	50.55
32 84 23 00-0178		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0173)*		
32 84 23 00-0179	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	611.70	
32 84 23 00-0180	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	136.59	37.91
32 84 23 00-0181		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0100)*		
32 84 23 00-0182	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	209.32	37.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0183	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	415.28	37.91
32 84 23 00-0184	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	436.25	37.91
32 84 23 00-0185	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	618.01	37.91
32 84 23 00-0186		Two-Wire Decoder Systems *(32 84 23 00-0098)*		
32 84 23 00-0187		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0186)*		
32 84 23 00-0188		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0187)*		
		Note: Includes water resistant cabinet.		
32 84 23 00-0189	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,037.00	50.55
32 84 23 00-0190	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,463.43	50.55
32 84 23 00-0191	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	5,889.83	50.55
32 84 23 00-0192		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0187)*		
32 84 23 00-0193	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	381.83	50.55
32 84 23 00-0194	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	484.01	50.55
32 84 23 00-0195	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	718.74	50.55
32 84 23 00-0196	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	866.90	50.55
32 84 23 00-0197	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,416.91	50.55
32 84 23 00-0198		Accessories For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0187)*		
32 84 23 00-0199	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	2,279.57	
32 84 23 00-0200	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,426.41	
32 84 23 00-0201	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	289.85	44.24
32 84 23 00-0202	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,236.18	50.55
32 84 23 00-0203		Satellite Irrigation Controllers (Rain Bird® ESP-SAT) *(32 84 23 00-0098)*		
		Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0204	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	5,065.62	284.34
32 84 23 00-0205	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,342.28	300.14
32 84 23 00-0206	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,377.98	315.94
32 84 23 00-0207		Irrigation Valves *(32 84 23)*		
32 84 23 00-0208		Reduced Pressure Zone Valves With QT Shut-Offs *(32 84 23 00-0207)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0209	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	947.37	59.49
32 84 23 00-0210	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,124.78	72.64
32 84 23 00-0211	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,690.91	84.53
32 84 23 00-0212	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,790.25	97.06
32 84 23 00-0213	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,151.42	125.24
32 84 23 00-0214		Brass Quick-Coupling Irrigation Valves *(32 84 23 00-0207)*		
32 84 23 00-0215	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	205.51	51.90
		For Valve Key, Add	*51.78*	
32 84 23 00-0216	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	211.50	51.90
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*51.78*	
32 84 23 00-0217	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	277.38	51.90
		For Valve Key, Add	*132.46*	
32 84 23 00-0218	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	301.33	51.90
		For Valve Key, Add	*132.46*	
32 84 23 00-0219		Anti-Siphon Pressure Type Vacuum Breaker *(32 84 23 00-0207)*		
		Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0220	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	333.56	43.83
32 84 23 00-0221	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	473.54	50.09
32 84 23 00-0222	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	848.34	57.92
32 84 23 00-0223	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	1,032.35	64.19
32 84 23 00-0224	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	1,045.34	78.27
32 84 23 00-0225		Manual Sprinkler Control Valves *(32 84 23 00-0207)*		
32 84 23 00-0226	EA	3/4" Manual Sprinkler Control Valves, With Union	120.08	42.27
32 84 23 00-0227	EA	1" Manual Sprinkler Control Valves, With Union	146.23	45.39
32 84 23 00-0228	EA	1-1/4" Manual Sprinkler Control Valves, With Union	220.04	57.46
32 84 23 00-0229	EA	1-1/2" Manual Sprinkler Control Valves, With Union	260.22	66.22
32 84 23 00-0230	EA	2" Manual Sprinkler Control Valves, With Union	345.39	78.27
32 84 23 00-0231		Irrigation Piping *(32 84 23)*		
32 84 23 00-0232	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.13	1.80
		For >1,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0233	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.95	2.16
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0234	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	6.90	2.74
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0235	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	8.85	3.43
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0236	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	11.16	4.01
		For >1,000, Deduct	*-0.56*	

32 84 23 00-0237 Irrigation Swing Joints *(32 84 23)*

32 84 23 00-0238	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	78.26	28.69
32 84 23 00-0239	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	88.91	32.03
32 84 23 00-0240	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	117.10	32.03

32 84 23 00-0241 Irrigation Control Wire *(32 84 23)*

Note: Excludes excavation and backfill.

32 84 23 00-0242 18 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0241)*

32 84 23 00-0243	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	64.38	21.63
32 84 23 00-0244	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	83.32	25.22
32 84 23 00-0245	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	95.81	28.83
32 84 23 00-0246	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	109.48	32.43
32 84 23 00-0247	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	124.30	36.04
32 84 23 00-0248	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	147.36	39.64
32 84 23 00-0249	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	169.52	43.25
32 84 23 00-0250	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	184.14	46.85
32 84 23 00-0251	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	201.84	50.46
32 84 23 00-0252	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	221.99	54.06
32 84 23 00-0253	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	230.35	57.67
32 84 23 00-0254	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	239.90	61.27
32 84 23 00-0255	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	253.18	64.88

32 84 23 00-0256 16 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0241)*

32 84 23 00-0257	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	67.50	21.63

32 84 23 00-0258 14 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0241)*

32 84 23 00-0259	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	67.51	21.63

32 84 23 00-0260 12 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0241)*

32 84 23 00-0261	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	88.14	21.63

32 84 23 00-0262 10 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0241)*

32 84 23 00-0263	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	114.29	21.63

32 84 23 00-0264 Root Watering Systems *(32 84 23)*

Note: Includes swing assembly.

32 84 23 00-0265	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	124.90	28.83
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0266	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	134.23	28.83
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0267	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	124.90	28.83
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0268	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	134.23	28.83
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0269	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	134.23	28.83
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0270	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	108.44	25.22
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0271	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	117.39	25.22
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0272	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	108.44	25.22
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0273	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	117.39	25.22
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0274	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	74.10	21.63
		For Root Watering Sand Sock, Add	*1.63*	
32 84 23 00-0275	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	82.62	21.63
		For Root Watering Sand Sock, Add	*1.63*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	151.03	
		For >5 To 20, Deduct	*-12.41*	
		For >20 To 50, Deduct	*-18.62*	
		For >50, Deduct	*-26.17*	
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	334.06	
		For >5 To 20, Deduct	*-21.56*	
		For >20 To 50, Deduct	*-32.34*	
		For >50, Deduct	*-49.05*	
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	146.55	
		For >5 To 20, Deduct	*-12.19*	
		For >20 To 50, Deduct	*-18.28*	
		For >50, Deduct	*-25.61*	
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	132.17	
		For >5 To 20, Deduct	*-11.47*	
		For >20 To 50, Deduct	*-17.20*	
		For >50, Deduct	*-23.81*	
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	130.77	
		For >5 To 20, Deduct	*-11.40*	
		For >20 To 50, Deduct	*-17.10*	
		For >50, Deduct	*-23.64*	
32 91 13 16-0007	CY	Pine Wood Chip Mulch	127.97	
		For >5 To 20, Deduct	*-11.26*	
		For >20 To 50, Deduct	*-16.89*	
		For >50, Deduct	*-23.29*	
32 91 13 16-0008	CY	Hardwood Chip Mulch	133.57	
		For >5 To 20, Deduct	*-11.54*	
		For >20 To 50, Deduct	*-17.31*	
		For >50, Deduct	*-23.99*	
32 91 13 16-0009	CY	Shredded Hardwood Mulch	133.57	
		For >5 To 20, Deduct	*-11.54*	
		For >20 To 50, Deduct	*-17.31*	
		For >50, Deduct	*-23.99*	
32 91 13 16-0010	CY	Shredded Pine Mulch	120.98	
		For >5 To 20, Deduct	*-10.91*	
		For >20 To 50, Deduct	*-16.36*	
		For >50, Deduct	*-22.41*	
32 91 13 16-0011	CY	Shredded Cedar Mulch	148.26	
		For >5 To 20, Deduct	*-12.27*	
		For >20 To 50, Deduct	*-18.41*	
		For >50, Deduct	*-25.82*	
32 91 13 16-0012	CY	Shredded Cypress Mulch	146.16	
		For >5 To 20, Deduct	*-12.17*	
		For >20 To 50, Deduct	*-18.25*	
		For >50, Deduct	*-25.56*	
32 91 13 16-0013	CY	Shredded Redwood Mulch	151.76	
		For >5 To 20, Deduct	*-12.45*	
		For >20 To 50, Deduct	*-18.67*	
		For >50, Deduct	*-26.26*	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	222.51	
		For >5 To 20, Deduct	*-17.35*	
		For >20 To 50, Deduct	*-26.03*	
		For >50, Deduct	*-37.16*	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	319.06	
		For >5 To 20, Deduct	*-22.18*	
		For >20 To 50, Deduct	*-33.27*	
		For >50, Deduct	*-49.23*	
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	320.46	
		For >5 To 20, Deduct	*-22.25*	
		For >20 To 50, Deduct	*-33.38*	
		For >50, Deduct	*-49.40*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	513.55	
		For >5 To 20, Deduct	*-31.91*	
		For >20 To 50, Deduct	*-47.86*	
		For >50, Deduct	*-73.54*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale	10.36	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.31*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale	9.86	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.19*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0001		**Plant Bed Preparation** *(32 91 13 26)*		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine	1.53	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine	1.76	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine	2.08	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand	7.31	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand	8.40	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand	9.88	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
32 91 13 26-0008		**Planting Pit Preparation** *(32 91 13 26)*		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil	126.37	
		Note: For use with existing planting pits.		
32 91 13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil	252.74	
		Note: For use with existing planting pits.		
32 91 13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil	18.35	
		Note: For use with existing planting pits.		
32 91 13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil	23.87	
		Note: For use with existing planting pits.		
32 91 13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	112.30	
32 91 13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	148.28	
32 91 13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	10.38	
32 91 13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	72.63	
32 91 13 26-0017		**Weed Barrier** *(32 91 13 26)*		
32 91 13 26-0018	SY	Up To 3 Oz./SY Non-Woven, Polypropylene Weed Barrier	2.73	
32 91 13 26-0019	SY	4 Oz./SY Woven, Polypropylene Weed Barrier	3.61	
32 91 13 26-0020	SY	5 Oz./SY Woven, Needle Punched Polypropylene Weed Barrier	4.00	
32 91 13 33		**Soil Conditioners** *(32 91 13)*		
32 91 13 33-0001		**Spread Soil Conditioners** *(32 91 13 33)*		
32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.50	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	46.75	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	9.94	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.72	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	6.34	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.13	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	9.08	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.24	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	439.75	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	3.94	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	429.57	
32 91 13 36		**Lawn Bed Preparation** *(32 91 13)*		
32 91 13 36-0001		**Lawn Bed Preparation** *(32 91 13 36)*		
32 91 13 36-0002	MSF	Rake Topsoil With Machine	116.42	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	101.08	
32 91 13 36-0004	MSF	Screen Loam By Hand	67.39	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.47	
32 91 13 36-0006	SY	Roll Topsoil By Hand	4.52	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	13.77	
32 91 13 36-0008	MSF	Root Raking And Loading, No Boulders	72.05	
32 91 13 36-0009	MSF	Root Raking And Loading, With Boulders	120.09	
32 91 13 36-0010	MSF	Up To 6" Deep Tilling Topsoil With Tractor	6.35	
32 91 13 36-0011	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	12.88	
32 91 13 36-0012	SY	Up To 2" Deep Tilling Topsoil With Rototiller	1.07	
32 91 13 36-0013	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	1.28	
32 91 13 36-0014	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.60	
32 91 13 36-0015	LF	"V" Cut Soil For Edge Of Planting Beds	1.78	
32 91 13 36-0016	MSF	Removal Of Rocks And Debris By Hand	43.77	
32 91 13 36-0017		**Sod Removal** *(32 91 13 36)*		
32 91 13 36-0018	SY	Removal Of Sod By Hand	8.52	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.86	
32 91 13 36-0020	SY	Pile Sod By Hand	5.06	
32 91 13 36-0021	SY	Pile Sod With Machine	1.60	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	6.04
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.98

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	13.42
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	8.95

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	10.79
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	96.46

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	4.42
		For Unscreened, Deduct	*-0.51*
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	8.42
		For Unscreened, Deduct	*-1.03*
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	12.11
		For Unscreened, Deduct	*-1.54*
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	17.38
		For Unscreened, Deduct	*-2.31*
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	22.65
		For Unscreened, Deduct	*-3.08*
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	61.74
		For Unscreened, Deduct	*-9.23*

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	85.84
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	60.08
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	34.99

32 92 Turf and Grasses *(32 90)*

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 Lbs./MSF spread rate.	46.07
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 Lbs./MSF spread rate.	38.98
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 Lbs./MSF spread rate.	39.48
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	42.03
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	43.87
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate.	41.42
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	38.37
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 Lbs./MSF spread rate.	32.62
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate.	78.09
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	51.20
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	32.56
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	35.01

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	99.48
		For >45, Deduct	*-8.54*
		For Tackifier, Add	*4.46*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 Lbs./MSF spread rate.	103.76	
		For >45, Deduct	*-8.76*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 Lbs./MSF spread rate.	99.66	
		For >45, Deduct	*-8.55*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	99.48	
		For >45, Deduct	*-8.54*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	103.76	
		For >45, Deduct	*-8.76*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate.	101.93	
		For >45, Deduct	*-8.67*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	100.45	
		For >45, Deduct	*-8.59*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 Lbs./MSF spread rate.	95.69	
		For >45, Deduct	*-8.35*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	138.59	
		For >45, Deduct	*-10.50*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	125.16	
		For >45, Deduct	*-9.83*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate.	89.89	
		For >45, Deduct	*-8.06*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate.	97.04	
		For >45, Deduct	*-8.42*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 Lbs./MSF spread rate.	100.70	
		For >45, Deduct	*-8.60*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0028	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	103.91	
		For >45, Deduct	*-6.98*	
32 92 19 13-0029	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	119.35	
		For >45, Deduct	*-7.84*	
32 92 19 13-0030	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	134.90	
		For >45, Deduct	*-8.71*	
32 92 19 13-0031	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	150.49	
		For >45, Deduct	*-9.59*	
32 92 19 13-0032	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	166.20	
		For >45, Deduct	*-10.48*	

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 Lbs./MSF spread rate.	143.22	
		For >5 To 20, Deduct	*-10.32*	
		For >20 To 45, Deduct	*-20.22*	
		For >45, Deduct	*-33.27*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 Lbs./MSF spread rate.	136.13	
		For >5 To 20, Deduct	*-9.97*	
		For >20 To 45, Deduct	*-19.69*	
		For >45, Deduct	*-32.57*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 Lbs./MSF spread rate.	136.63	
		For >5 To 20, Deduct	*-9.99*	
		For >20 To 45, Deduct	*-19.72*	
		For >45, Deduct	*-32.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand	139.18	
		Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For >5 To 20, Deduct	*-10.12*	
		For >20 To 45, Deduct	*-19.91*	
		For >45, Deduct	*-32.87*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand	141.02	
		Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For >5 To 20, Deduct	*-10.21*	
		For >20 To 45, Deduct	*-20.05*	
		For >45, Deduct	*-33.05*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand	138.57	
		Note: 6 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.09*	
		For >20 To 45, Deduct	*-19.87*	
		For >45, Deduct	*-32.81*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	135.52	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	*-9.93*	
		For >20 To 45, Deduct	*-19.64*	
		For >45, Deduct	*-32.50*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand	129.77	
		Note: 0.10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-9.65*	
		For >20 To 45, Deduct	*-19.21*	
		For >45, Deduct	*-31.93*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	175.24	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-11.92*	
		For >20 To 45, Deduct	*-22.62*	
		For >45, Deduct	*-36.48*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	148.35	
		Note: 8 Lbs./MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-10.58*	
		For >20 To 45, Deduct	*-20.60*	
		For >45, Deduct	*-33.79*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	129.71	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-9.64*	
		For >20 To 45, Deduct	*-19.20*	
		For >45, Deduct	*-31.92*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	132.16	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-9.77*	
		For >20 To 45, Deduct	*-19.39*	
		For >45, Deduct	*-32.17*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	144.38	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.38*	
		For >20 To 45, Deduct	*-20.30*	
		For >45, Deduct	*-33.39*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	141.02	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.21*	
		For >20 To 45, Deduct	*-20.05*	
		For >45, Deduct	*-33.05*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	138.57	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.09*	
		For >20 To 45, Deduct	*-19.87*	
		For >45, Deduct	*-32.81*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	143.46	
		Note: 4.4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.33*	
		For >20 To 45, Deduct	*-20.24*	
		For >45, Deduct	*-33.30*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	139.79	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.15*	
		For >20 To 45, Deduct	*-19.96*	
		For >45, Deduct	*-32.93*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	141.02	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.21*	
		For >20 To 45, Deduct	*-20.05*	
		For >45, Deduct	*-33.05*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,137.35	
		For Hybrid Fescue "Marathon", Add	*110.26*	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,802.67	
		For Hybrid Fescue "Marathon", Add	*83.24*	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,533.44	
		For Hybrid Fescue "Marathon", Add	*69.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,343.58	
		For Hybrid Fescue "Marathon", Add	*56.23*	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,631.27	
		For Hybrid Fescue "Marathon", Add	*110.26*	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,223.63	
		For Hybrid Fescue "Marathon", Add	*83.24*	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,823.85	
		For Hybrid Fescue "Marathon", Add	*69.74*	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,590.54	
		For Hybrid Fescue "Marathon", Add	*56.23*	

32 92 23 00-0010 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,891.75	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,618.47	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,379.94	
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,220.78	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,385.67	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,039.43	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,670.35	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,467.74	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	36.60
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	67.65
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	122.95
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	223.77
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	28.01
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	37.25
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	39.87
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	27.94
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	37.25
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	90.12
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	35.36
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	45.83
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	87.62
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	32.82
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	51.60
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	88.31
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	30.55
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	31.59
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	69.69
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	96.74
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	108.67
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	179.28
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	52.53
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	78.62
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	40.10
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	55.87

32 93 13 00-0028 Ground Covers *(32 93 13)*

32 93 13 00-0029	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	13.30
32 93 13 00-0030	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	23.05
32 93 13 00-0031	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	46.99
32 93 13 00-0032	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	61.18
32 93 13 00-0033	EA	1 Gallon Acrostichum danaeifolium - Leather Fern	46.51
32 93 13 00-0034	EA	5 Gallon Acrostichum danaeifolium - Leather Fern	79.73
32 93 13 00-0035	EA	10 Gallon Acrostichum danaeifolium - Leather Fern	398.63
32 93 13 00-0036	EA	6" Aechmea - Bromeliad	99.66
32 93 13 00-0037	EA	8" Aechmea - Bromeliad	166.09
32 93 13 00-0038	EA	10" Aechmea - Bromeliad	332.19
32 93 13 00-0039	EA	10" Full Aglaonema	106.30
32 93 13 00-0040	EA	Cell Pack Size Apapanthus africanus - Lily Of The Nile	4.65
32 93 13 00-0041	EA	1 Gallon Apapanthus africanus - Lily Of The Nile	26.58
32 93 13 00-0042	EA	3 Gallon Agapanthus africanus - Lily Of The Nile	79.73
32 93 13 00-0043	EA	1 Gallon Aptenia cordifolia - Baby Sun Rose	19.93
32 93 13 00-0044	EA	4" Arachis glabrata - Ecoturf	19.93
32 93 13 00-0045	EA	1 Gallon Arachis glabrata - Ecoturf	33.22
32 93 13 00-0046	EA	1 Gallon Aristida stricta - Wiregrass	19.93
32 93 13 00-0047	EA	2" Aristida stricta - Wiregrass	15.28
32 93 13 00-0048	EA	Cell Pack Size Asparagus densiflorus 'Myers' - Foxtail	6.64
32 93 13 00-0049	EA	10" Asparagus densiflorus 'Myers' - Foxtail	99.66
32 93 13 00-0050	EA	1 Gallon Asparagus densiflorus 'Myers' - Foxtail	33.22
32 93 13 00-0051	EA	2 Gallon Asparagus densiflorus 'Myers' - Foxtail	39.86
32 93 13 00-0052	EA	3 Gallon Asparagus densiflorus 'Myers' - Foxtail	53.15
32 93 13 00-0053	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	33.22
32 93 13 00-0054	EA	3 Gallon Aspidistra elatior - Cast Iron Plant	112.94
32 93 13 00-0055	EA	7 Gallon Aspidistra elatior - Cast Iron Plant	159.45
32 93 13 00-0056	EA	3 Gallon Baccharis halimicolia - Salt Bush	79.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0057	EA	4" Begonia	4.65	
32 93 13 00-0058	EA	1 Gallon Begonia	39.86	
32 93 13 00-0059	EA	3 Gallon Begonia	99.66	
32 93 13 00-0060	EA	1 Gallon Borrichia arborescens - Sea Oxeye Daisy	26.58	
32 93 13 00-0061	EA	1 Gallon Borrichia frutescens - Silver Sea Oxeye	26.58	
32 93 13 00-0062	EA	3 Gallon Borrichia frutescens - Silver Sea Oxeye	69.76	
32 93 13 00-0063	EA	6" Bromeliad	86.37	
32 93 13 00-0064	EA	3 Gallon Bromeliad	132.88	
32 93 13 00-0065	EA	4-1/2" Centaurea cineraia - Dusty Miller	9.30	
32 93 13 00-0066	EA	1 Gallon Centaurea cineraia - Dusty Miller	16.61	
32 93 13 00-0067	EA	4" Coleus hybridus - Coleus	4.65	
32 93 13 00-0068	EA	3 Gallon Coleus hybridus - Coleus	59.79	
32 93 13 00-0069	EA	8" Top Cuphea hyssopifolia - False/Mexican Heather	86.37	
32 93 13 00-0070	EA	1 Gallon Cuphea hyssopifolia - False/Mexican Heather	13.29	
32 93 13 00-0071	EA	3 Gallon Cyathea cooperi - Australian Tree Fern	93.01	
32 93 13 00-0072	EA	7 Gallon Cyathea cooperi - Australian Tree Fern	332.19	
32 93 13 00-0073	EA	15 Gallon Cyathea cooperi - Australian Tree Fern	797.25	
32 93 13 00-0074	EA	25 Gallon Cyathea cooperi - Australian Tree Fern	1,660.94	
32 93 13 00-0075	EA	3 Gallon Cyperus alternifolius - Umbrella Sedge	99.66	
32 93 13 00-0076	EA	1 Gallon Cyrtomium falcatum - Holly Fern	29.90	
32 93 13 00-0077	EA	3 Gallon Cyrtomium falcatum - Holly Fern	73.08	
32 93 13 00-0078	EA	1 Gallon Dietes bicolor - Yellow/White African Iris	21.26	
32 93 13 00-0079	EA	3 Gallon Dietes bicolor - Yellow/White African Iris	79.73	
32 93 13 00-0080	EA	4" Dietes iridioides - White African Iris	12.62	
32 93 13 00-0081	EA	6" Dietes iridioides - White African Iris	25.91	
32 93 13 00-0082	EA	1 Gallon Dietes iridioides - White African Iris	21.26	
32 93 13 00-0083	EA	3 Gallon Dietes iridioides - White African Iris	79.73	
32 93 13 00-0084	EA	1 Gallon Dietes vegeta - White African Iris	26.58	
32 93 13 00-0085	EA	Bare Root Eleocharis baldwinii - Slender Spikerush	4.65	
32 93 13 00-0086	EA	Bare Root Eleocharis cellulos - Coastal Spikerush	3.32	
32 93 13 00-0087	EA	Bare Root Eleocharis intersti - Jointed Spikerush	3.32	
32 93 13 00-0088	EA	Bare Root Eleocharis spp - Spikerush	3.32	
32 93 13 00-0089	EA	4" Epipremnum - Golden Pothos	19.93	
32 93 13 00-0090	EA	8" Epipremnum - Golden Pothos	33.22	
32 93 13 00-0091	EA	1 Gallon Epipremnum - Golden Pothos	33.22	
32 93 13 00-0092	EA	1 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn	33.22	
32 93 13 00-0093	EA	3 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn	59.79	
32 93 13 00-0094	EA	4-1/2" Evolvulus glomeratus - Blue Daze	13.29	
32 93 13 00-0095	EA	6" Evolvulus glomeratus - Blue Daze	59.79	
32 93 13 00-0096	EA	10" Ficus pumila - Creeping Fig	66.44	
32 93 13 00-0097	EA	1 Gallon Ficus pumila - Creeping Fig	23.25	
32 93 13 00-0098	EA	3 Gallon Ficus pumila - Creeping Fig	99.66	
32 93 13 00-0099	EA	4" Gaillardia pulchella - Blanket Flower	15.28	
32 93 13 00-0100	EA	1 Gallon Gaillardia pulchella - Blanket Flower	23.25	
32 93 13 00-0101	EA	4-1/2" Geranium - Black Olive East	16.61	
32 93 13 00-0102	EA	6" Geranium - Black Olive East	24.58	
32 93 13 00-0103	EA	4" Halianthus debilis - Dune Sunflower	12.62	
32 93 13 00-0104	EA	6" Halianthus debilis - Dune Sunflower	23.25	
32 93 13 00-0105	EA	1 Gallon Halianthus debilis - Dune Sunflower	26.58	
32 93 13 00-0106	EA	1 Gallon Helianthus debilis - Beach Sunflower	26.58	
32 93 13 00-0107	EA	4" Helianthus debilis - Beach Sunflower	15.94	
32 93 13 00-0108	EA	6" Helianthus debilis - Beach Sunflower	23.25	
32 93 13 00-0109	EA	1 Gallon Hemerocallis spp - Day Lily	29.90	
32 93 13 00-0110	EA	1 Gallon Hymenocallis latifolia - Spider Lily	26.58	
32 93 13 00-0111	EA	3 Gallon Hymenocallis latifolia - Spider Lily	53.15	
32 93 13 00-0112	EA	1 Gallon Hypericum reductium - Scrub Wort	37.87	
32 93 13 00-0113	EA	4" Ipomoea pes-caprae - Railroad Vine	15.28	
32 93 13 00-0114	EA	6" Ipomoea pes-caprae - Railroad Vine	19.93	
32 93 13 00-0115	EA	1 Gallon Iris hexagona savannarum - Blue Flag Iris	25.91	
32 93 13 00-0116	EA	Bare Root Iris virginica - Blue Flag Iris	3.32	
32 93 13 00-0117	EA	1 Gallon Iris virginica - Blue Flag Iris	33.22	
32 93 13 00-0118	EA	4" Juniperus chinensis 'Parsonii'	13.29	
32 93 13 00-0119	EA	1 Gallon Juniperus chinensis 'Parsonii'	25.25	
32 93 13 00-0120	EA	3 Gallon Juniperus chinensis 'Parsonii'	53.15	
32 93 13 00-0121	EA	1 Gallon Juniperus conferta - Shore Juniper	26.58	
32 93 13 00-0122	EA	3 Gallon Juniperus conferta - Shore Juniper	49.83	
32 93 13 00-0123	EA	1 Gallon Juniperus conferta - Blue Pacific	23.92	
32 93 13 00-0124	EA	2 Gallon Juniperus conferta - Blue Pacific	46.51	
32 93 13 00-0125	EA	3 Gallon Juniperus conferta - Blue Pacific	53.15	
32 93 13 00-0126	EA	1 Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper	23.92	
32 93 13 00-0127	EA	4" Juniperus procumbens 'Nana'	17.94	
32 93 13 00-0128	EA	1 Gallon Juniperus procumbens 'Nana'	25.91	
32 93 13 00-0129	EA	2 Gallon Juniperus procumbens 'Nana'	46.51	
32 93 13 00-0130	EA	3 Gallon Juniperus procumbens 'Nana'	53.15	
32 93 13 00-0131	EA	4" Liriope	15.28	
32 93 13 00-0132	EA	1 Gallon Liriope	19.93	
32 93 13 00-0133	EA	3 Gallon Liriope	46.51	
32 93 13 00-0134	EA	4" Liriope muscari - Big Blue Lilyturf	14.62	
32 93 13 00-0135	EA	1 Gallon Liriope muscari - Big Blue Lilyturf	19.27	
32 93 13 00-0136	EA	1 Gallon Liriope muscari - Lilyturf	20.60	
32 93 13 00-0137	EA	1 Gallon Liriope 'Evergreen Giant'	23.25	
32 93 13 00-0138	EA	2 Gallon Liriope 'Evergreen Giant'	36.54	
32 93 13 00-0139	EA	3 Gallon Liriope 'Evergreen Giant'	66.44	
32 93 13 00-0140	EA	1 Gallon Liriope 'Variegata'	16.61	
32 93 13 00-0141	EA	3 Gallon Liriope 'Variegata'	53.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0142	EA	1 Gallon Microsorum scolopendrum - Wart Fern	16.80	
32 93 13 00-0143	EA	1 Gallon Mimosa strigillosa	26.58	
32 93 13 00-0144	EA	1 Gallon Muehlenbeckia axillaris - Wire Vine	37.21	
32 93 13 00-0145	EA	1 Gallon Nephrolepis - Swordfern/Boston Fern	19.93	
32 93 13 00-0146	EA	3 Gallon Nephrolepis - Swordfern/Boston Fern	53.15	
32 93 13 00-0147	EA	1 Gallon Nephrolepis cordifolia - Erect Swordfern	19.93	
32 93 13 00-0148	EA	3 Gallon Nephrolepis cordifolia - Erect Swordfern	66.44	
32 93 13 00-0149	EA	7 Gallon Nephrolepis cordifolia - Erect Swordfern	159.45	
32 93 13 00-0150	EA	1 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	24.39	
32 93 13 00-0151	EA	3 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	48.50	
32 93 13 00-0152	EA	1 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	23.25	
32 93 13 00-0153	EA	3 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	46.51	
32 93 13 00-0154	EA	4" Ophiopogon intermedius - Aztec Grass	12.62	
32 93 13 00-0155	EA	1 Gallon Ophiopogon intermedius - Aztec Grass	19.93	
32 93 13 00-0156	EA	1 Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass	19.93	
32 93 13 00-0157	EA	4-1/2" Pentas lanceolata - Egyptian Star Cluster	8.64	
32 93 13 00-0158	EA	1 Gallon Pentas lanceolata - Egyptian Star Cluster	19.93	
32 93 13 00-0159	EA	3 Gallon Pentas lanceolata - Egyptian Star Cluster	66.44	
32 93 13 00-0160	EA	1 Gallon Persicaria capitatum - Jump Seed	34.55	
32 93 13 00-0161	EA	4-1/2" Polyodium scolopenrium - Wart Fern	26.58	
32 93 13 00-0162	EA	6" Polyodium scolopenrium - Wart Fern	33.22	
32 93 13 00-0163	EA	1 Gallon Polyodium scolopenrium - Wart Fern	33.22	
32 93 13 00-0164	EA	3 Gallon Polyodium scolopenrium - Wart Fern	79.73	
32 93 13 00-0165	EA	Bare Root Pontederia cordata - Pickerel Weed	3.06	
32 93 13 00-0166	EA	6" Rhoeo spathacea discolor - Dwarf Oyster Plant	23.25	
32 93 13 00-0167	EA	1 Gallon Rhoeo spathacea discolor - Dwarf Oyster Plant	19.93	
32 93 13 00-0168	EA	1 Gallon Rubus calycinoides - Emerald Carpet	39.20	
32 93 13 00-0169	EA	1 Gallon Rumohra adiantiform - Leatherhead Fern	26.58	
32 93 13 00-0170	EA	Bare Root Sagittaria latifolia - Duck Potato	4.65	
32 93 13 00-0171	EA	1 Gallon Sesuvium portulacastrum - Sea Purslane	21.26	
32 93 13 00-0172	EA	4" Setcresea pallida - Purple Queen	5.98	
32 93 13 00-0173	EA	6" Setcresea pallida - Purple Queen	13.29	
32 93 13 00-0174	EA	1 Gallon Setcresea pallida - Purple Queen	16.61	
32 93 13 00-0175	EA	1 Gallon Stachytarpheta - Porter Weed	19.93	
32 93 13 00-0176	EA	3 Gallon Stachytarpheta - Porter Weed	43.18	
32 93 13 00-0177	EA	Bare Root Thalia geniculata - Alligator Flag	4.65	
32 93 13 00-0178	EA	1 Gallon Trachelospermum asiaticum - Small Leaf Asian Jasmine	23.25	
32 93 13 00-0179	EA	5" Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	15.28	
32 93 13 00-0180	EA	1 Gallon Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	25.91	
32 93 13 00-0181	EA	3 Gallon Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	99.66	
32 93 13 00-0182	EA	1 Gallon Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine	33.22	
32 93 13 00-0183	EA	4" Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	15.28	
32 93 13 00-0184	EA	1 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	19.93	
32 93 13 00-0185	EA	3 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	99.66	
32 93 13 00-0186	EA	1 Gallon Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine	23.25	
32 93 13 00-0187	EA	1 Gallon Wedelia trilobata - Wedelia	13.15	
32 93 13 00-0188	EA	4" Wedelia trilobata - Wedelia	9.97	
32 93 13 00-0189	EA	Viola floridana - Wild Violet	33.88	
32 93 13 00-0190	EA	4" Viola hederacea - Australian Violet	19.67	
32 93 13 00-0191	EA	1 Gallon Viola hederacea - Australian Violet	34.55	
32 93 13 00-0192	EA	6" Full Ajuga reptans - Carpet Bugleweed	29.90	
32 93 13 00-0193	EA	1 Gallon Ajuga reptans - Carpet Bugleweed	26.58	
32 93 13 00-0194	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	77.44	
32 93 13 00-0195	EA	1 Quart Waldsteinia ternata - Barren Strawberry	13.30	
32 93 13 00-0196	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	31.92	
32 93 13 00-0197	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	43.44	
32 93 13 00-0198	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	82.45	
32 93 13 00-0199	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	145.41	
32 93 13 00-0200	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	14.88	
32 93 13 00-0201	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	27.49	
32 93 13 00-0202	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	96.64	
32 93 13 00-0203	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	36.08	
32 93 13 00-0204	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	17.73	
32 93 13 00-0205	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	40.43	
32 93 13 00-0206	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	110.65	
32 93 13 00-0207	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	46.50	
32 93 13 00-0208	EA	1 Quart Iberis sempervirens - Candytuft	13.30	
32 93 13 00-0209	EA	1 Gallon Iberis sempervirens - Candytuft	31.92	
32 93 13 00-0210	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	38.30	
32 93 13 00-0211	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	138.31	
32 93 13 00-0212	EA	3" Pot Ajuga reptans - Carpet Bugle	7.98	
32 93 13 00-0213	EA	1 Quart Ajuga reptans - Carpet Bugle	13.30	
32 93 13 00-0214	EA	1 Gallon Ajuga reptans - Carpet Bugle	31.92	
32 93 13 00-0215	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	137.42	
32 93 13 00-0216	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	31.92	
32 93 13 00-0217	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	138.31	
32 93 13 00-0218	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	41.67	
32 93 13 00-0219	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	92.21	
32 93 13 00-0220	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	138.31	
32 93 13 00-0221	EA	1 Gallon Ranunculaceae - Clematis Varieties	45.81	
32 93 13 00-0222	EA	2 Gallon Ranunculaceae - Clematis Varieties	84.73	
32 93 13 00-0223	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	57.63	
32 93 13 00-0224	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	108.17	
32 93 13 00-0225	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	177.32	
32 93 13 00-0226	EA	4" Pot Lantana camera - Common Lantana	7.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0227	EA	1 Gallon Lantana camera - Common Lantana	23.05	
32 93 13 00-0228	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	27.49	
32 93 13 00-0229	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	90.43	
32 93 13 00-0230	EA	2 Quart Lysimachia nummularia - Creeping Jenny	13.30	
32 93 13 00-0231	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	25.71	
32 93 13 00-0232	EA	2 Quart Liriope spicata - Creeping Lilytuft	23.05	
32 93 13 00-0233	EA	1 Gallon Liriope spicata - Creeping Lilytuft	41.67	
32 93 13 00-0234	EA	5 Gallon Liriope spicata - Creeping Lilytuft	87.78	
32 93 13 00-0235	EA	Bare Root Liriope spicata - Creeping Liriope	5.81	
32 93 13 00-0236	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.98	
32 93 13 00-0237	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	31.92	
32 93 13 00-0238	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.32	
32 93 13 00-0239	EA	50 Plant Flat Securigera varia - Crown Vetch	179.98	
32 93 13 00-0240	EA	1 Quart Senecio cineraria - Dusty Miller	13.30	
32 93 13 00-0241	EA	1 Gallon Senecio cineraria - Dusty Miller	31.92	
32 93 13 00-0242	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	110.83	
32 93 13 00-0243	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	203.03	
32 93 13 00-0244	EA	1 Gallon Ilex cornuta - Dwarf Holly	24.08	
32 93 13 00-0245	EA	3 Gallon Ilex cornuta - Dwarf Holly	51.60	
32 93 13 00-0246	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	51.60	
32 93 13 00-0247	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	17.20	
32 93 13 00-0248	EA	2" To 3" Pot Hedera helix - English Ivy	7.98	
32 93 13 00-0249	EA	12" To 15" Runners Hedera helix - English Ivy	13.30	
32 93 13 00-0250	EA	1 Gallon Hedera helix - English Ivy	31.92	
32 93 13 00-0251	EA	50 Plant Flat Hedera helix - English Ivy	184.42	
32 93 13 00-0252	EA	4" Pot Lavandula angustifolia - English Lavender	11.53	
32 93 13 00-0253	EA	1 Quart Lavandula angustifolia - English Lavender	22.17	
32 93 13 00-0254	EA	1 Gallon Lavandula angustifolia - English Lavender	36.35	
32 93 13 00-0255	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	34.58	
32 93 13 00-0256	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	69.16	
32 93 13 00-0257	EA	1 Quart Arundo donax - Giant Reed	42.56	
32 93 13 00-0258	EA	1 Gallon Arundo donax - Giant Reed	61.18	
32 93 13 00-0259	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	36.35	
32 93 13 00-0260	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	69.16	
32 93 13 00-0261	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	46.99	
32 93 13 00-0262	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	70.93	
32 93 13 00-0263	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.98	
32 93 13 00-0264	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	36.35	
32 93 13 00-0265	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	69.16	
32 93 13 00-0266	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	31.92	
32 93 13 00-0267	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	106.39	
32 93 13 00-0268	EA	3 Gallon Hibiscus, Assorted Colors	41.57	
32 93 13 00-0269	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	33.25	
32 93 13 00-0270	EA	1 Gallon Jasminum volubile - Wax Jasmine	16.75	
32 93 13 00-0271	EA	1 Gallon Jasminum volubile - Wax Jasmine	41.57	
32 93 13 00-0272	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	20.89	
32 93 13 00-0273	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	46.50	
32 93 13 00-0274	EA	1 Gallon Cissus antarctica - Kangaroo Vine	25.71	
32 93 13 00-0275	EA	5 Gallon Cissus antarctica - Kangaroo Vine	80.68	
32 93 13 00-0276	EA	1 Quart Stachys byzantina - Lamb's Ear	13.30	
32 93 13 00-0277	EA	1 Quart Stachys byzantina - Lamb's Ear	31.92	
32 93 13 00-0278	EA	1 Gallon Lantana spp. Various Colors	18.82	
32 93 13 00-0279	EA	1 Gallon Lantana sellowiana - Trailing Lantana	12.38	
32 93 13 00-0280	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	25.71	
32 93 13 00-0281	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	92.21	
32 93 13 00-0282	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	18.82	
32 93 13 00-0283	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	23.74	
32 93 13 00-0284	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	37.96	
32 93 13 00-0285	EA	1 Quart Moss Phlox, Creeping Phlox	13.30	
32 93 13 00-0286	EA	1 Gallon Moss Phlox, Creeping Phlox	31.92	
32 93 13 00-0287	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	16.75	
32 93 13 00-0288	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.98	
32 93 13 00-0289	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	31.92	
32 93 13 00-0290	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	73.59	
32 93 13 00-0291	EA	2' To 3' High Oregon Holly-Grape	36.85	
32 93 13 00-0292	EA	1 Gallon Pachysandra terminalis - Pachysandra	48.00	
32 93 13 00-0293	EA	2-1/4" Pot Vinca minor - Periwinkle	4.43	
32 93 13 00-0294	EA	4" Pot Vinca minor - Periwinkle	13.30	
32 93 13 00-0295	EA	Bare Root Vinca minor - Periwinkle	4.43	
32 93 13 00-0296	EA	1 Quart Nepeta mussinii - Persian Catmint	13.30	
32 93 13 00-0297	EA	1 Gallon Nepeta mussinii - Persian Catmint	27.49	
32 93 13 00-0298	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	22.17	
32 93 13 00-0299	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	80.68	
32 93 13 00-0300	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	36.35	
32 93 13 00-0301	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	78.02	
32 93 13 00-0302	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	115.26	
32 93 13 00-0303	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	31.66	
32 93 13 00-0304	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	82.03	
32 93 13 00-0305	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	137.43	
32 93 13 00-0306	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	16.75	
32 93 13 00-0307	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	18.62	
32 93 13 00-0308	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	33.25	
32 93 13 00-0309	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	51.87	
32 93 13 00-0310	EA	1 Gallon Hymenocallis latifolia - Spider Lily	20.64	
32 93 13 00-0311	EA	3 Gallon Hymenocallis latifolia - Spider Lily	55.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0312	EA	1 Quart Hypericum perforatum - St. John's Wort	13.30	
32 93 13 00-0313	EA	1 Gallon Hypericum perforatum - St. John's Wort	31.92	
32 93 13 00-0314	EA	5 Gallon Hypericum perforatum - St. John's Wort	82.45	
32 93 13 00-0315	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	112.21	
32 93 13 00-0316	EA	1 Gallon Campsis radicans - Trumpet Creeper	48.76	
32 93 13 00-0317	EA	2 Gallon Campsis radicans - Trumpet Creeper	73.59	
32 93 13 00-0318	EA	5 Gallon Campsis radicans - Trumpet Creeper	177.32	
32 93 13 00-0319	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.43	
32 93 13 00-0320	EA	4" Pot Vinca major - Variegated Greater Periwinkle	13.30	
32 93 13 00-0321	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.43	
32 93 13 00-0322	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	23.94	
32 93 13 00-0323	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	33.25	
32 93 13 00-0324	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	51.87	
32 93 13 00-0325	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	36.35	
32 93 13 00-0326	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	16.85	
32 93 13 00-0327	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	25.71	
32 93 13 00-0328	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	158.03	
32 93 13 00-0329	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.98	
32 93 13 00-0330	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	41.67	
32 93 13 00-0331	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	31.92	
32 93 13 00-0332	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	63.84	
32 93 13 00-0333	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	110.83	
32 93 13 00-0334	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	25.71	
32 93 13 00-0335	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	87.78	

32 93 23 Plants and Bulbs *(32 93)*

See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	25.71	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	36.35	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	60.29	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	13.30	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	33.25	
32 93 23 00-0007	EA	1 Quart Balloon Flower	13.30	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	33.25	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	13.30	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	33.25	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	43.00	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	13.30	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	33.25	
32 93 23 00-0014	EA	1 Quart Blank Flower	13.30	
32 93 23 00-0015	EA	1 Gallon Blank Flower	30.59	
32 93 23 00-0016	EA	2 Gallon Blank Flower	43.00	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	13.30	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	33.25	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	22.61	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	38.13	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	13.30	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	33.25	
32 93 23 00-0023	EA	1 Quart Blue Star	23.94	
32 93 23 00-0024	EA	1 Gallon Blue Star	38.13	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	13.30	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	33.25	
32 93 23 00-0027	EA	4" Pot Columbine	7.98	
32 93 23 00-0028	EA	1 Quart Columbine	13.30	
32 93 23 00-0029	EA	1 Gallon Columbine	33.25	
32 93 23 00-0030	EA	1 Quart Common Globeflower	13.30	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	33.25	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	13.30	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	33.25	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	47.88	
32 93 23 00-0035	EA	1 Quart Diploid	16.85	
32 93 23 00-0036	EA	1 Gallon Diploid	38.13	
32 93 23 00-0037	EA	3 Gallon Diploid	65.61	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	18.98	
32 93 23 00-0039	EA	1 Quart Evans Begonia	23.94	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	43.00	
32 93 23 00-0041	EA	1 Quart False Dragonhead	13.30	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	33.25	
32 93 23 00-0043	EA	1 Quart False Spirea	13.30	
32 93 23 00-0044	EA	1 Gallon False Spirea	43.00	
32 93 23 00-0045	EA	3 Gallon False Spirea	59.40	
32 93 23 00-0046	EA	2 Quart False Sunflower	21.28	
32 93 23 00-0047	EA	1 Gallon False Sunflower	33.25	
32 93 23 00-0048	EA	2 Gallon False Sunflower	43.00	
32 93 23 00-0049	EA	1 Gallon Foxglove	30.59	
32 93 23 00-0050	EA	2 Gallon Foxglove	43.00	
32 93 23 00-0051	EA	3 Gallon Foxglove	62.06	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	53.84	
32 93 23 00-0053	EA	1 Quart Garden Phlox	13.30	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	33.25	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	28.37	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	57.19	
32 93 23 00-0057	EA	1 Quart Golden Star	13.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0058	EA	1 Gallon Golden Star	33.25	
32 93 23 00-0059	EA	1 Quart Goldenrod	13.30	
32 93 23 00-0060	EA	1 Gallon Goldenrod	33.25	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	61.92	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	7.98	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	13.30	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	33.25	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	11.53	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	19.07	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	30.59	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	47.44	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	75.81	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	99.75	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	7.98	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	23.94	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	43.00	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.73	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	7.09	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	30.54	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	19.07	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	38.13	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	158.03	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	26.16	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	49.66	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	50.34	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	7.98	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	13.30	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	33.25	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	13.30	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	33.25	
32 93 23 00-0088	EA	2 Quart Plantain Lily	25.71	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	36.35	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	60.29	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	113.94	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	23.94	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	33.25	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	43.00	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	13.30	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	33.25	
32 93 23 00-0097	EA	1 Quart Rose Mallow	26.16	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	47.44	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	81.13	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	50.69	
32 93 23 00-0101	EA	1 Quart Siberian Iris	22.61	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	43.00	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	59.40	
32 93 23 00-0104	EA	1 Quart Speedwell	13.30	
32 93 23 00-0105	EA	1 Gallon Speedwell	33.25	
32 93 23 00-0106	EA	1 Quart Tetraploid	33.25	
32 93 23 00-0107	EA	1 Gallon Tetraploid	62.06	
32 93 23 00-0108	EA	3 Gallon Tetraploid	84.68	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	13.30	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	33.25	
32 93 23 00-0111	EA	1 Quart Torch Lily	13.30	
32 93 23 00-0112	EA	1 Quart Bluebeard	23.94	
32 93 23 00-0113	EA	1 Gallon Bluebeard	35.47	
32 93 23 00-0114	EA	2 Gallon Bluebeard	51.87	
32 93 23 00-0115		**Annuals** *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.17	
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.35	
32 93 23 00-0118	EA	4" Pot Annual Flowers	17.84	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	23.73	
32 93 23 00-0120	EA	6" Pot Annual Flowers	46.98	
32 93 23 00-0121	EA	8" Pot Annual Flowers	78.30	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	102.50	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	116.27	
32 93 23 00-0124		**Bulbs** *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	21.46	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.24	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.40	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.82	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.31	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.91	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.07	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.24	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.43	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.55	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.71	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.71	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.88	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.88	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.63	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.88	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.88	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.16	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.30	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.48	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.30	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.89	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.13	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.14	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.72	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.05	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.05	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.05	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.48	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.39	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.48	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	4.13	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.48	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.30	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.55	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.71	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.97	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.81	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.05	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.05	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.39	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.65	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.48	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.22	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.48	

32 93 33 Shrubs *(32 93)*

See CSI section 32 93 83 00-0033 for installation and planting of shurbs.

32 93 33 00-0001 Shrubs *(32 93 33)*

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	22.62	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	46.07	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	88.43	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.93	
32 93 33 00-0006	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.82	
32 93 33 00-0007	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.74	
32 93 33 00-0008	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.37	
32 93 33 00-0009	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.82	
32 93 33 00-0010	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	48.89	
32 93 33 00-0011	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	65.19	
32 93 33 00-0012	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	81.48	
32 93 33 00-0013	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	44.47	
32 93 33 00-0014	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	52.31	
32 93 33 00-0015	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	62.78	
32 93 33 00-0016	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	73.24	
32 93 33 00-0017	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	88.93	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.16	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	45.77	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.39	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	54.93	
32 93 33 00-0022	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	43.81	
32 93 33 00-0023	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.43	
32 93 33 00-0024	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.04	
32 93 33 00-0025	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	51.66	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.99	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	20.79	
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.54	
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	23.18	
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	31.33	
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	11.24	
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	16.44	
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	46.92	
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	59.57	
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	83.46	
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	50.16	
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	64.21	
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	82.05	
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.49	
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	26.55	
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.45	
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	12.79	
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	36.11	
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	50.16	
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	77.41	
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	14.61	
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	39.20	
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	41.73	
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	53.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	71.51	
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	107.34	
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	149.07	
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	41.73	
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	53.67	
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	71.51	
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	107.34	
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	27.46	
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	45.77	
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0060	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	65.39	
32 93 33 00-0061	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	88.93	
32 93 33 00-0062	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	43.16	
32 93 33 00-0064	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	39.23	
32 93 33 00-0065	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	52.31	
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia	16.76	
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia	35.75	
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia	59.43	
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia	88.50	
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia	229.62	
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia	16.76	
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia	35.75	
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia	59.43	
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea	43.16	
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet	43.16	
32 93 33 00-0076	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	36.62	
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	43.16	
32 93 33 00-0078	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	32.70	
32 93 33 00-0079	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	36.62	
32 93 33 00-0080	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.23	
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	37.65	
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	50.16	
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	77.41	
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	41.85	
32 93 33 00-0085	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	45.12	
32 93 33 00-0086	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.35	
32 93 33 00-0087	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	52.97	
32 93 33 00-0088	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	62.12	
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry	59.57	
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry	74.46	
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry	95.40	
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry	131.08	
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0094	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	27.46	
32 93 33 00-0095	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	31.39	
32 93 33 00-0096	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0097	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	47.08	
32 93 33 00-0098	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	39.23	
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	43.16	
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood	43.16	
32 93 33 00-0101	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	39.23	
32 93 33 00-0102	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	45.77	
32 93 33 00-0103	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	49.70	
32 93 33 00-0104	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	60.16	
32 93 33 00-0105	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	42.50	
32 93 33 00-0106	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	47.74	
32 93 33 00-0107	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	54.27	
32 93 33 00-0108	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	34.00	
32 93 33 00-0109	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.23	
32 93 33 00-0110	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.85	
32 93 33 00-0111	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	45.77	
32 93 33 00-0112	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	51.01	
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert	40.54	
32 93 33 00-0114	EA	30" Balled and Burlapped, Corylus americana - American Filbert	45.77	
32 93 33 00-0115	EA	36" Balled and Burlapped, Corylus americana - American Filbert	49.04	
32 93 33 00-0116	EA	48" Balled and Burlapped, Corylus americana - American Filbert	52.97	
32 93 33 00-0117	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	130.78	
32 93 33 00-0118	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	170.02	
32 93 33 00-0119	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	183.10	
32 93 33 00-0120	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	235.41	
32 93 33 00-0121	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	287.72	
32 93 33 00-0122	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	326.96	
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree	125.18	
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree	187.70	
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree	283.10	
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0127	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0128	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.00	
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	31.33	
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0131	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.70	
32 93 33 00-0132	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	13.49	
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	41.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	56.34	
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	95.40	
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.49	
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	26.55	
32 93 33 00-0139	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	33.35	
32 93 33 00-0140	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	36.62	
32 93 33 00-0141	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	47.08	
32 93 33 00-0142	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	54.93	
32 93 33 00-0143	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	62.78	
32 93 33 00-0144	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	52.31	
32 93 33 00-0145	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	62.78	
32 93 33 00-0146	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	73.24	
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	19.62	
32 93 33 00-0148	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	47.08	
32 93 33 00-0149	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	62.78	
32 93 33 00-0150	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	39.06	
32 93 33 00-0151	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	53.67	
32 93 33 00-0152	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	64.21	
32 93 33 00-0153	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	62.52	
32 93 33 00-0154	EA	1 Gallon Euonymus - Gold Spot	11.24	
32 93 33 00-0155	EA	2 Gallon Euonymus - Gold Spot	23.60	
32 93 33 00-0156	EA	5 Gallon Euonymus - Gold Spot	32.46	
32 93 33 00-0157	EA	1 Gallon Euonymus alatus - Winged Euonymus	9.60	
32 93 33 00-0158	EA	3 Gallon Euonymus alatus - Winged Euonymus	27.67	
32 93 33 00-0159	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	37.30	
32 93 33 00-0160	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	46.62	
32 93 33 00-0161	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	64.07	
32 93 33 00-0162	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	79.11	
32 93 33 00-0163	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	93.25	
32 93 33 00-0164	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	120.32	
32 93 33 00-0165	EA	5 Gallon Euonymus alatus - Winged Euonymus	34.59	
32 93 33 00-0166	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	150.40	
32 93 33 00-0167	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	58.85	
32 93 33 00-0168	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	69.97	
32 93 33 00-0169	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	91.55	
32 93 33 00-0170	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	109.86	
32 93 33 00-0171	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	136.01	
32 93 33 00-0172	EA	18" To 24" Euonymus alatus - Winged Burning Bush	41.73	
32 93 33 00-0173	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	49.17	
32 93 33 00-0174	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	67.16	
32 93 33 00-0175	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	80.50	
32 93 33 00-0176	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	101.30	
32 93 33 00-0177	EA	4' To 5' Euonymus alatus - Winged Burning Bush	143.03	
32 93 33 00-0178	EA	5' To 6' Euonymus alatus - Winged Burning Bush	178.85	
32 93 33 00-0179	EA	6' To 8' Euonymus alatus - Winged Burning Bush	208.64	
32 93 33 00-0180	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	41.73	
32 93 33 00-0181	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	47.63	
32 93 33 00-0182	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	58.17	
32 93 33 00-0183	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	82.05	
32 93 33 00-0184	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	96.94	
32 93 33 00-0185	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	116.19	
32 93 33 00-0186	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	163.96	
32 93 33 00-0187	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	193.74	
32 93 33 00-0188	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	35.31	
32 93 33 00-0189	EA	1 Gallon Euonymus fortunei - Wintercreeper	13.49	
32 93 33 00-0190	EA	2 Gallon Euonymus fortunei - Wintercreeper	26.55	
32 93 33 00-0191	EA	3 Gallon Euonymus fortunei - Wintercreeper	32.46	
32 93 33 00-0192	EA	5 Gallon Euonymus fortunei - Wintercreeper	38.50	
32 93 33 00-0193	EA	2' To 3' Forsythia - Korean Forsythia	29.79	
32 93 33 00-0194	EA	3' To 4' Forsythia - Korean Forsythia	37.65	
32 93 33 00-0195	EA	4' To 5' Forsythia - Korean Forsythia	46.92	
32 93 33 00-0196	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	30.08	
32 93 33 00-0197	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	33.35	
32 93 33 00-0198	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.97	
32 93 33 00-0199	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	31.39	
32 93 33 00-0200	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	41.85	
32 93 33 00-0201	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	31.39	
32 93 33 00-0202	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	36.62	
32 93 33 00-0203	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	43.16	
32 93 33 00-0204	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	49.70	
32 93 33 00-0205	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	57.54	
32 93 33 00-0206	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	44.47	
32 93 33 00-0207	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.12	
32 93 33 00-0208	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	65.39	
32 93 33 00-0209	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	68.01	
32 93 33 00-0210	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	73.24	
32 93 33 00-0211	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	88.93	
32 93 33 00-0212	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	115.09	
32 93 33 00-0213	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	130.78	
32 93 33 00-0214	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	9.69	
32 93 33 00-0215	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	25.43	
32 93 33 00-0216	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	32.46	
32 93 33 00-0217	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	91.55	
32 93 33 00-0218	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	149.09	
32 93 33 00-0219	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	188.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0220	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	287.72	
32 93 33 00-0221	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	326.96	
32 93 33 00-0222	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.56	
32 93 33 00-0223	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	19.55	
32 93 33 00-0224	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	37.60	
32 93 33 00-0225	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	14.26	
32 93 33 00-0226	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	24.06	
32 93 33 00-0227	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	36.40	
32 93 33 00-0228	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	37.65	
32 93 33 00-0229	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	32.03	
32 93 33 00-0230	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	43.27	
32 93 33 00-0231	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	62.52	
32 93 33 00-0232	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	86.41	
32 93 33 00-0233	EA	2 Gallon Hydrangea - Blue Hydrangea	26.55	
32 93 33 00-0234	EA	5 Gallon Hydrangea - Blue Hydrangea	37.37	
32 93 33 00-0235	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	41.73	
32 93 33 00-0236	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	47.63	
32 93 33 00-0237	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	26.55	
32 93 33 00-0238	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	45.77	
32 93 33 00-0239	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	49.70	
32 93 33 00-0240	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	57.54	
32 93 33 00-0241	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	60.16	
32 93 33 00-0242	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	47.08	
32 93 33 00-0243	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	62.78	
32 93 33 00-0244	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	27.46	
32 93 33 00-0245	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	32.70	
32 93 33 00-0246	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.12	
32 93 33 00-0247	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.08	
32 93 33 00-0248	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	34.00	
32 93 33 00-0249	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	39.23	
32 93 33 00-0250	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	52.31	
32 93 33 00-0251	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	37.93	
32 93 33 00-0252	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	43.16	
32 93 33 00-0253	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	51.01	
32 93 33 00-0254	EA	2 Gallon Hypericum kalmianum - St. John's Wort	26.55	
32 93 33 00-0255	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	31.39	
32 93 33 00-0256	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	34.00	
32 93 33 00-0257	EA	1 Gallon Ilex "Carissa" - Holly	13.49	
32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly	26.55	
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly	37.37	
32 93 33 00-0260	EA	18" To 24" Ilex - Gulftide Sweet Holly	35.83	
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	45.38	
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	58.87	
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	71.51	
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	26.76	
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.49	
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	26.55	
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	38.50	
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	13.49	
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	29.51	
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	38.50	
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	29.50	
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	35.55	
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	71.51	
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	95.40	
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly	95.40	
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly	157.92	
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly	202.60	
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly	244.32	
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly	342.67	
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly	476.85	
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly	685.34	
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly	1,043.05	
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly	1,266.44	
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly	1,564.43	
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female)	95.40	
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female)	125.18	
32 93 33 00-0287	EA	2' To 3' Ilex verticillata - Winterberry (Male)	77.41	
32 93 33 00-0288	EA	3' To 4' Ilex verticillata - Winterberry (Male)	107.34	
32 93 33 00-0289	EA	4' To 5' Ilex verticillata - Winterberry (Male)	125.18	
32 93 33 00-0290	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.65	
32 93 33 00-0291	EA	3 Gallon Ilex vomitoria - Yaupon Holly	25.43	
32 93 33 00-0292	EA	10 Gallon Ilex vomitoria - Yaupon Holly	89.36	
32 93 33 00-0293	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	40.54	
32 93 33 00-0294	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	45.77	
32 93 33 00-0295	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	52.31	
32 93 33 00-0296	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	48.39	
32 93 33 00-0297	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	58.85	
32 93 33 00-0298	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	43.16	
32 93 33 00-0299	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.16	
32 93 33 00-0300	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	45.77	
32 93 33 00-0301	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	54.93	
32 93 33 00-0302	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	61.47	
32 93 33 00-0303	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.39	
32 93 33 00-0304	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	83.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly	154.97	
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly	205.55	
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly	183.91	
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly	357.56	
32 93 33 00-0309	EA	1 Gallon Jasimnum - Jasmine	3.46	
32 93 33 00-0310	EA	3 Gallon Jasimnum - Jasmine	13.54	
32 93 33 00-0311	EA	3 Gallon Jasimnum - Orange Jasmine	10.53	
32 93 33 00-0312	EA	4' - 5' Jasimnum - Orange Jasmine	120.32	
32 93 33 00-0313	EA	6' - 7' Jasimnum - Orange Jasmine	240.64	
32 93 33 00-0314	EA	8' - 10' Jasimnum - Orange Jasmine	324.86	
32 93 33 00-0315	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	45.77	
32 93 33 00-0316	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	51.01	
32 93 33 00-0317	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	68.01	
32 93 33 00-0318	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	88.93	
32 93 33 00-0319	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	104.63	
32 93 33 00-0320	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	141.25	
32 93 33 00-0321	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	193.56	
32 93 33 00-0322	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	21.81	
32 93 33 00-0323	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	45.77	
32 93 33 00-0324	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	51.01	
32 93 33 00-0325	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	54.93	
32 93 33 00-0326	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	60.16	
32 93 33 00-0327	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	73.24	
32 93 33 00-0328	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	88.93	
32 93 33 00-0329	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	35.31	
32 93 33 00-0330	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	41.85	
32 93 33 00-0331	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	57.54	
32 93 33 00-0332	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	73.24	
32 93 33 00-0333	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	88.93	
32 93 33 00-0334	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	32.70	
32 93 33 00-0335	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	39.23	
32 93 33 00-0336	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	34.00	
32 93 33 00-0337	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	65.39	
32 93 33 00-0338	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	102.01	
32 93 33 00-0339	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	128.17	
32 93 33 00-0340	EA	15" To 18" Kalmia latifolia - Mountain Laurel	53.67	
32 93 33 00-0341	EA	18" To 24" Kalmia latifolia - Mountain Laurel	71.51	
32 93 33 00-0342	EA	2' To 3' Kalmia latifolia - Mountain Laurel	104.25	
32 93 33 00-0343	EA	4' To 5' Kalmia latifolia - Mountain Laurel	190.65	
32 93 33 00-0344	EA	5' To 6' Kalmia latifolia - Mountain Laurel	292.09	
32 93 33 00-0345	EA	6' To 8' Kalmia latifolia - Mountain Laurel	447.06	
32 93 33 00-0346	EA	1 Gallon Kerria japonica - Kerria	11.94	
32 93 33 00-0347	EA	5 Gallon Kerria japonica - Kerria	37.37	
32 93 33 00-0348	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	37.93	
32 93 33 00-0349	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	43.16	
32 93 33 00-0350	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	47.08	
32 93 33 00-0351	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	54.93	
32 93 33 00-0352	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	62.78	
32 93 33 00-0353	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	78.47	
32 93 33 00-0354	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.99	
32 93 33 00-0355	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	32.03	
32 93 33 00-0356	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	44.68	
32 93 33 00-0357	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	65.61	
32 93 33 00-0358	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	104.25	
32 93 33 00-0359	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	135.36	
32 93 33 00-0360	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	180.48	
32 93 33 00-0361	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	376.00	
32 93 33 00-0362	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	13.49	
32 93 33 00-0363	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	29.51	
32 93 33 00-0364	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	35.55	
32 93 33 00-0365	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.29	
32 93 33 00-0366	EA	5 Gallon Ligustrum lucidum - Glossy Privet	25.43	
32 93 33 00-0367	EA	15 Gallon Ligustrum lucidum - Glossy Privet	119.14	
32 93 33 00-0368	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.29	
32 93 33 00-0369	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.84	
32 93 33 00-0370	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	23.18	
32 93 33 00-0371	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	39.23	
32 93 33 00-0372	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	57.54	
32 93 33 00-0373	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	73.24	
32 93 33 00-0374	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	83.70	
32 93 33 00-0375	EA	5 Gallon Lindera benzoin - Spicebush	43.16	
32 93 33 00-0376	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	36.62	
32 93 33 00-0377	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	44.47	
32 93 33 00-0378	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	71.51	
32 93 33 00-0379	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	86.40	
32 93 33 00-0380	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.23	
32 93 33 00-0381	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	47.08	
32 93 33 00-0382	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	52.31	
32 93 33 00-0383	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	57.54	
32 93 33 00-0384	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.52	
32 93 33 00-0385	EA	4 Gallon Myrica cerifera - Wax Myrtle	24.06	
32 93 33 00-0386	EA	7 Gallon Myrica cerifera - Wax Myrtle	52.64	
32 93 33 00-0387	EA	10 Gallon Myrica cerifera - Wax Myrtle	78.21	
32 93 33 00-0388	EA	15 Gallon Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0389	EA	45 Gallon Myrica cerifera - Wax Myrtle	360.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0390	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.53	
32 93 33 00-0391	EA	3' - 4' Myrica cerifera - Wax Myrtle	36.10	
32 93 33 00-0392	EA	5' - 6' Myrica cerifera - Wax Myrtle	66.18	
32 93 33 00-0393	EA	7' - 8' Myrica cerifera - Wax Myrtle	90.24	
32 93 33 00-0394	EA	9' - 10' Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0395	EA	11' - 12' Myrica cerifera - Wax Myrtle	183.49	
32 93 33 00-0396	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	39.23	
32 93 33 00-0397	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	64.08	
32 93 33 00-0398	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.16	
32 93 33 00-0399	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.47	
32 93 33 00-0400	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	117.70	
32 93 33 00-0401	EA	1 Gallon Nandina domestica - Heavenly Bamboo	13.49	
32 93 33 00-0402	EA	2 Gallon Nandina domestica - Heavenly Bamboo	29.51	
32 93 33 00-0403	EA	5 Gallon Nandina domestica - Heavenly Bamboo	44.68	
32 93 33 00-0404	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.29	
32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	22.48	
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.52	
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange	37.37	
32 93 33 00-0408	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	39.23	
32 93 33 00-0409	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	45.77	
32 93 33 00-0410	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	52.31	
32 93 33 00-0411	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	39.23	
32 93 33 00-0412	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	45.77	
32 93 33 00-0413	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	52.31	
32 93 33 00-0414	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	65.39	
32 93 33 00-0415	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	78.47	
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda	36.11	
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda	77.41	
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda	46.93	
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda	53.67	
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda	67.16	
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	95.40	
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	113.24	
32 93 33 00-0423	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	40.74	
32 93 33 00-0424	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	52.15	
32 93 33 00-0425	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	62.74	
32 93 33 00-0426	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	80.67	
32 93 33 00-0427	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	96.96	
32 93 33 00-0428	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	141.78	
32 93 33 00-0429	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	88.00	
32 93 33 00-0430	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	105.93	
32 93 33 00-0431	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	140.96	
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum	4.96	
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum	12.78	
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.96	
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.78	
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum	22.41	
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	22.23	
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	31.39	
32 93 33 00-0439	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	23.54	
32 93 33 00-0440	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	26.16	
32 93 33 00-0441	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	37.93	
32 93 33 00-0442	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	43.81	
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60	
32 93 33 00-0444	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.01	
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.51	
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.36	
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.44	
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.40	
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08	
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond	24.42	
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond	38.95	
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond	77.99	
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond	23.46	
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond	26.35	
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond	30.64	
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	20.83	
32 93 33 00-0457	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	25.56	
32 93 33 00-0458	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	30.64	
32 93 33 00-0459	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	35.10	
32 93 33 00-0460	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.85	
32 93 33 00-0461	EA	3 Gallon Punica granatum - Dwarf Pomegranate	26.13	
32 93 33 00-0462	EA	7 Gallon Punica granatum - Dwarf Pomegranate	53.67	
32 93 33 00-0463	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	11.24	
32 93 33 00-0464	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	37.37	
32 93 33 00-0465	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	77.41	
32 93 33 00-0466	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	8.99	
32 93 33 00-0467	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	17.14	
32 93 33 00-0468	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	30.49	
32 93 33 00-0469	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	68.56	
32 93 33 00-0470	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	93.99	
32 93 33 00-0471	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	122.23	
32 93 33 00-0472	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	223.53	
32 93 33 00-0473	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	14.61	
32 93 33 00-0474	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	29.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0475	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	38.50	
32 93 33 00-0476	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	44.68	
32 93 33 00-0477	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	52.26	
32 93 33 00-0478	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	65.61	
32 93 33 00-0479	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	95.40	
32 93 33 00-0480	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	134.03	
32 93 33 00-0481	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	16.44	
32 93 33 00-0482	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	29.50	
32 93 33 00-0483	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	50.72	
32 93 33 00-0484	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	65.61	
32 93 33 00-0485	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	95.40	
32 93 33 00-0486	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	140.08	
32 93 33 00-0487	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	187.70	
32 93 33 00-0488	EA	5 Gallon Rhododendron - Boxleaf Azara	37.37	
32 93 33 00-0489	EA	15 Gallon Rhododendron - Boxleaf Azara	134.03	
32 93 33 00-0490	EA	15" To 18" Rhododendron - Carolina Rhododendron	42.29	
32 93 33 00-0491	EA	18" To 24" Rhododendron - Carolina Rhododendron	74.46	
32 93 33 00-0492	EA	24" To 30" Rhododendron - Carolina Rhododendron	110.29	
32 93 33 00-0493	EA	2' To 3' Rhododendron - Five-leafed Azalea	50.16	
32 93 33 00-0494	EA	3' To 4' Rhododendron - Five-leafed Azalea	65.61	
32 93 33 00-0495	EA	4' To 5' Rhododendron - Five-leafed Azalea	86.41	
32 93 33 00-0496	EA	15" To 18" Rhododendron - Ghent Azalea	50.16	
32 93 33 00-0497	EA	18" To 24" Rhododendron - Ghent Azalea	62.52	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Ghent Azalea	101.30	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Ghent Azalea	140.08	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Ghent Azalea	187.70	
32 93 33 00-0501	EA	5' To 6' Rhododendron - Ghent Azalea	250.37	
32 93 33 00-0502	EA	1 Gallon Rhododendron - Hybrid Rhododendron	16.44	
32 93 33 00-0503	EA	2 Gallon Rhododendron - Hybrid Rhododendron	35.55	
32 93 33 00-0504	EA	3 Gallon Rhododendron - Hybrid Rhododendron	50.44	
32 93 33 00-0505	EA	5 Gallon Rhododendron - Hybrid Rhododendron	56.34	
32 93 33 00-0506	EA	15" To 18" Rhododendron - Hybrid Rhododendron	47.63	
32 93 33 00-0507	EA	18" To 24" Rhododendron - Hybrid Rhododendron	65.61	
32 93 33 00-0508	EA	24" To 30" Rhododendron - Hybrid Rhododendron	89.36	
32 93 33 00-0509	EA	30" To 36" Rhododendron - Hybrid Rhododendron	104.25	
32 93 33 00-0510	EA	36" To 42" Rhododendron - Hybrid Rhododendron	149.07	
32 93 33 00-0511	EA	42" To 48" Rhododendron - Hybrid Rhododendron	184.75	
32 93 33 00-0512	EA	15" To 18" Rhododendron - Pjm Rhododendron	53.67	
32 93 33 00-0513	EA	18" To 24" Rhododendron - Pjm Rhododendron	65.61	
32 93 33 00-0514	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	95.40	
32 93 33 00-0515	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	122.23	
32 93 33 00-0516	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	149.07	
32 93 33 00-0517	EA	12" To 15" Rhododendron - Torch Azalea	41.73	
32 93 33 00-0518	EA	15" To 18" Rhododendron - Torch Azalea	50.16	
32 93 33 00-0519	EA	18" To 24" Rhododendron - Torch Azalea	62.52	
32 93 33 00-0520	EA	2' To 3' Rhododendron - Torch Azalea	104.25	
32 93 33 00-0521	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	47.08	
32 93 33 00-0522	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	57.54	
32 93 33 00-0523	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	70.62	
32 93 33 00-0524	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	88.93	
32 93 33 00-0525	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	104.63	
32 93 33 00-0526	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	125.55	
32 93 33 00-0527	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	13.49	
32 93 33 00-0528	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	37.37	
32 93 33 00-0529	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	31.39	
32 93 33 00-0530	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	43.16	
32 93 33 00-0531	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	49.70	
32 93 33 00-0532	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	65.39	
32 93 33 00-0533	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	39.23	
32 93 33 00-0534	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	65.39	
32 93 33 00-0535	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	104.63	
32 93 33 00-0536	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	35.31	
32 93 33 00-0537	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	40.54	
32 93 33 00-0538	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	58.85	
32 93 33 00-0539	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	78.47	
32 93 33 00-0540	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	21.58	
32 93 33 00-0541	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	26.16	
32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	32.70	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	23.54	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	30.08	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder	43.16	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	19.39	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	28.38	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.54	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	27.54	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia	13.49	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia	26.83	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia	43.27	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spirea	62.52	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spirea	95.40	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spirea	37.37	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spirea	30.63	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spirea	43.27	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spirea	50.16	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spirea	86.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0560	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	13.49	
32 93 33 00-0561	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	26.55	
32 93 33 00-0562	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	30.73	
32 93 33 00-0563	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	33.35	
32 93 33 00-0564	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	34.00	
32 93 33 00-0565	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	39.23	
32 93 33 00-0566	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	44.47	
32 93 33 00-0567	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	51.66	
32 93 33 00-0568	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	20.93	
32 93 33 00-0569	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	31.39	
32 93 33 00-0570	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	28.77	
32 93 33 00-0571	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	34.00	
32 93 33 00-0572	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	39.23	
32 93 33 00-0573	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	44.47	
32 93 33 00-0574	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	57.54	
32 93 33 00-0575	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	13.49	
32 93 33 00-0576	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	24.19	
32 93 33 00-0577	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	31.39	
32 93 33 00-0578	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	27.46	
32 93 33 00-0579	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	33.35	
32 93 33 00-0580	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	39.23	
32 93 33 00-0581	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	44.47	
32 93 33 00-0582	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39	
32 93 33 00-0583	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39	
32 93 33 00-0584	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	36.62	
32 93 33 00-0585	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	49.70	
32 93 33 00-0586	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	57.54	
32 93 33 00-0587	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	68.01	
32 93 33 00-0588	EA	5 Gallon Staphylea trifolia - Bladdernut	44.15	
32 93 33 00-0589	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	31.39	
32 93 33 00-0590	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	34.00	
32 93 33 00-0591	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	39.23	
32 93 33 00-0592	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	47.08	
32 93 33 00-0593	EA	2 Gallon Symphoricarpos albus - Common Snowberry	32.70	
32 93 33 00-0594	EA	5 Gallon Symphoricarpos albus - Common Snowberry	34.66	
32 93 33 00-0595	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	57.54	
32 93 33 00-0596	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	71.93	
32 93 33 00-0597	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	83.70	
32 93 33 00-0598	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	96.78	
32 93 33 00-0599	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	57.54	
32 93 33 00-0600	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	62.78	
32 93 33 00-0601	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	71.93	
32 93 33 00-0602	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	83.70	
32 93 33 00-0603	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	96.78	
32 93 33 00-0604	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	45.77	
32 93 33 00-0605	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	49.70	
32 93 33 00-0606	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	39.23	
32 93 33 00-0607	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	44.47	
32 93 33 00-0608	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	49.70	
32 93 33 00-0609	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	57.54	
32 93 33 00-0610	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	70.62	
32 93 33 00-0611	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	32.70	
32 93 33 00-0612	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	37.93	
32 93 33 00-0613	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	49.70	
32 93 33 00-0614	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	207.94	
32 93 33 00-0615	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	232.79	
32 93 33 00-0616	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	256.33	
32 93 33 00-0617	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	308.65	
32 93 33 00-0618	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	54.93	
32 93 33 00-0619	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	71.93	
32 93 33 00-0620	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	83.70	
32 93 33 00-0621	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	91.55	
32 93 33 00-0622	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	54.93	
32 93 33 00-0623	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	71.93	
32 93 33 00-0624	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	85.01	
32 93 33 00-0625	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	100.70	
32 93 33 00-0626	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	151.71	
32 93 33 00-0627	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	83.70	
32 93 33 00-0628	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	112.47	
32 93 33 00-0629	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	170.02	
32 93 33 00-0630	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	248.49	
32 93 33 00-0631	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	285.11	
32 93 33 00-0632	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	330.88	
32 93 33 00-0633	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	36.62	
32 93 33 00-0634	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	51.01	
32 93 33 00-0635	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	71.93	
32 93 33 00-0636	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	62.52	
32 93 33 00-0637	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	95.40	
32 93 33 00-0638	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	125.18	
32 93 33 00-0639	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.59	
32 93 33 00-0640	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	20.79	
32 93 33 00-0641	EA	5 Gallon Viburnum plicatum - Japanese Snowball	37.37	
32 93 33 00-0642	EA	5' To 6' Viburnum plicatum - Japanese Snowball	140.08	
32 93 33 00-0643	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	65.61	
32 93 33 00-0644	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	77.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0645	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	108.89	
32 93 33 00-0646	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	71.93	
32 93 33 00-0647	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	86.32	
32 93 33 00-0648	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	65.39	
32 93 33 00-0649	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	78.47	
32 93 33 00-0650	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	91.55	
32 93 33 00-0651	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	104.63	
32 93 33 00-0652	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	36.62	
32 93 33 00-0653	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.23	
32 93 33 00-0654	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	45.77	
32 93 33 00-0655	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	52.31	
32 93 33 00-0656	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	57.54	
32 93 33 00-0657	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	35.31	
32 93 33 00-0658	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	39.23	
32 93 33 00-0659	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	49.70	
32 93 33 00-0660	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	57.54	
32 93 33 00-0661	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	78.47	
32 93 33 00-0662	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	94.16	
32 93 33 00-0663	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	39.23	
32 93 33 00-0664	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	52.31	
32 93 33 00-0665	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	65.39	
32 93 33 00-0666	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	91.55	
32 93 33 00-0667	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	130.78	
32 93 33 00-0668	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	183.10	
32 93 33 00-0669	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	235.41	
32 93 33 00-0670	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	47.08	
32 93 33 00-0671	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	52.31	
32 93 33 00-0672	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	94.16	
32 93 33 00-0673	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	143.86	
32 93 33 00-0674	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	183.10	
32 93 33 00-0675	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	222.33	
32 93 33 00-0676	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	274.64	
32 93 33 00-0677	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	326.96	
32 93 33 00-0678	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	392.35	
32 93 33 00-0679	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	457.74	
32 93 33 00-0680	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	39.89	
32 93 33 00-0681	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	43.81	
32 93 33 00-0682	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	49.70	
32 93 33 00-0683	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	57.54	
32 93 33 00-0684	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	66.05	
32 93 33 00-0685	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	37.93	
32 93 33 00-0686	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	45.77	
32 93 33 00-0687	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	54.93	
32 93 33 00-0688	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	62.78	
32 93 33 00-0689	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	75.85	
32 93 33 00-0690	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	83.70	
32 93 33 00-0691	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	65.39	
32 93 33 00-0692	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	78.47	
32 93 33 00-0693	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	91.55	
32 93 33 00-0694	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	104.63	
32 93 33 00-0695	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	117.70	
32 93 33 00-0696	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.70	
32 93 33 00-0697	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	94.16	
32 93 33 00-0698	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	107.24	
32 93 33 00-0699	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	122.94	
32 93 33 00-0700	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	77.41	
32 93 33 00-0701	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	95.40	
32 93 33 00-0702	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	140.08	
32 93 33 00-0703	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	43.16	
32 93 33 00-0704	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.23	
32 93 33 00-0705	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.47	
32 93 33 00-0706	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	49.70	
32 93 33 00-0707	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.54	
32 93 33 00-0708	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	65.39	
32 93 33 00-0709	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.99	
32 93 33 00-0710	EA	5 Gallon Xylosma congestum - Shiny Xylosma	25.43	
32 93 33 00-0711	EA	15 Gallon Xylosma congestum - Shiny Xylosma	111.83	
32 93 33 00-0712	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.59	
32 93 33 00-0713	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	20.09	
32 93 33 00-0714	EA	1 Gallon Yucca filamentosa - Adams Needle	10.54	
32 93 33 00-0715	EA	3 Gallon Yucca filamentosa - Adams Needle	20.51	
32 93 33 00-0716	EA	5 Gallon Yucca filamentosa - Adams Needle	32.46	
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells	36.11	
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells	29.79	
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells	37.65	
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells	46.93	
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells	56.34	
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells	77.41	
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper	76.70	
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper	105.28	
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper	165.44	
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper	192.51	
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper	252.67	
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	15.04	
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	21.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0730	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	50.99	
32 93 33 00-0731	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	15.04	
32 93 33 00-0732	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	21.06	

32 93 43 Trees *(32 93)*

See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	287.06	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	350.85	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	398.70	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	462.49	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	526.28	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	621.97	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	285.63	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,020.66	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,275.83	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	255.17	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	637.91	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	829.29	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	956.87	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	1,084.45	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,275.83	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	104.63	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	130.78	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	162.17	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	130.78	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	156.94	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	183.10	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	209.25	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	235.41	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	261.57	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	300.80	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	340.03	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	392.35	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	318.96	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	446.54	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	478.43	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	558.17	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	398.70	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	478.43	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	558.17	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	637.91	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	717.65	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	797.39	
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	300.80	
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	353.11	
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	405.43	
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	444.66	
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	104.63	
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	222.33	
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	287.72	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	31.85	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	33.41	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	39.78	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	47.46	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	223.27	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	255.17	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	350.85	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	478.43	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	558.17	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	717.65	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	287.06	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	350.85	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	478.43	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	558.17	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	669.81	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	813.34	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	924.97	
32 93 43 00-0063	EA	6' Cercis - American Redbud	178.63	
32 93 43 00-0064	EA	8' Cercis - American Redbud	245.76	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud	506.18	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud	616.22	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	155.91	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	194.89	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	382.75	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	526.28	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	669.81	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	366.80	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	430.59	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	100.75	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	125.93	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	318.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	398.70	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	510.33	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	115.14	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	143.92	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	201.49	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	259.05	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	76.76	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	115.14	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	161.19	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	76.76	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	88.27	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	115.14	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	168.87	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	230.27	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	366.80	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	446.54	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	175.43	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	223.27	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	255.17	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	287.06	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	350.85	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	175.43	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	223.27	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	271.11	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	318.96	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	446.54	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	398.70	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	478.43	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	558.17	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	318.96	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	398.70	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	494.38	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.17	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	637.91	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	717.65	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	318.96	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	382.75	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	446.54	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.17	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	717.65	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	255.17	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	287.06	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	318.96	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	366.80	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	478.43	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	542.23	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	223.27	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	271.11	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	318.96	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	398.70	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	494.38	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	590.07	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	685.76	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	255.17	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	287.06	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	398.70	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	526.28	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	239.22	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	318.96	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	398.70	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	478.43	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	159.48	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	207.32	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	255.17	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	350.85	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	478.43	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.17	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	29.34	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	50.44	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	96.28	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	128.38	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	165.06	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	60.45	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	90.67	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	113.34	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	141.16	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	239.22	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	318.96	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	414.64	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	462.49	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	621.97	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	558.17	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	239.22	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	318.96	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	414.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	462.49	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	558.17	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	621.97	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	239.22	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	318.96	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	414.64	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	462.49	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	558.17	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	621.97	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	239.22	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	318.96	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	414.64	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	462.49	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	558.17	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	621.97	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	239.22	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	318.96	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	414.64	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	462.49	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	558.17	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	621.97	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	64.76	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	165.15	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	194.29	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	191.37	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	255.17	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	318.96	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	382.75	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	446.54	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	510.33	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	287.06	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	318.96	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	398.70	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	446.54	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	574.12	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	318.96	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	398.70	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	239.22	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	303.01	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	366.80	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	414.64	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	462.49	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	510.33	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	146.32	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	182.90	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	219.48	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	256.06	
32 93 43 00-0209	EA	20 Gallon Prunus subhirtella - Flowering Cherry	394.55	
32 93 43 00-0210	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	407.84	
32 93 43 00-0211	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	509.75	
32 93 43 00-0212	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,063.80	
32 93 43 00-0213	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	819.90	
32 93 43 00-0214	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,595.70	
32 93 43 00-0215	EA	4' To 6' Prunus - Pigeon Plum	161.32	
32 93 43 00-0216	EA	8' To 10' Prunus - Pigeon Plum	548.49	
32 93 43 00-0217	EA	10' To 12' Prunus - Pigeon Plum	696.90	
32 93 43 00-0218	EA	14' To 16' Prunus - Pigeon Plum	1,096.98	
32 93 43 00-0219	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	101.91	
32 93 43 00-0220	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	279.14	
32 93 43 00-0221	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	363.53	
32 93 43 00-0222	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	115.20	
32 93 43 00-0223	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	221.54	
32 93 43 00-0224	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	407.84	
32 93 43 00-0225	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	487.59	
32 93 43 00-0226	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	319.23	
32 93 43 00-0227	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	265.84	
32 93 43 00-0228	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	389.90	
32 93 43 00-0229	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	465.44	
32 93 43 00-0230	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	598.36	
32 93 43 00-0231	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	230.61	
32 93 43 00-0232	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	354.67	
32 93 43 00-0233	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	434.21	
32 93 43 00-0234	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	554.05	
32 93 43 00-0235	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	308.04	
32 93 43 00-0236	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	385.05	
32 93 43 00-0237	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	400.45	
32 93 43 00-0238	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	477.46	
32 93 43 00-0239	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	646.89	
32 93 43 00-0240	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	847.12	
32 93 43 00-0241	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,078.14	
32 93 43 00-0242	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	308.04	
32 93 43 00-0243	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	385.05	
32 93 43 00-0244	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	261.84	
32 93 43 00-0245	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	400.45	
32 93 43 00-0246	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	477.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0247	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	646.89	
32 93 43 00-0248	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	847.12	
32 93 43 00-0249	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	561.11	
32 93 43 00-0250	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	701.39	
32 93 43 00-0251	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	869.73	
32 93 43 00-0252	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	981.95	
32 93 43 00-0253	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,094.17	
32 93 43 00-0254	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,402.78	
32 93 43 00-0255	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	426.43	
32 93 43 00-0256	EA	2" Caliper Sophora japonica - Japanese Pagoda	479.73	
32 93 43 00-0257	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	559.69	
32 93 43 00-0258	EA	3" Caliper Sophora japonica - Japanese Pagoda	818.59	
32 93 43 00-0259	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,237.40	
32 93 43 00-0260	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	318.96	
32 93 43 00-0261	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	398.70	
32 93 43 00-0262	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	494.38	
32 93 43 00-0263	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	606.02	
32 93 43 00-0264	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	733.60	
32 93 43 00-0265	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	877.13	
32 93 43 00-0266	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	414.64	
32 93 43 00-0267	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	446.54	
32 93 43 00-0268	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	542.23	
32 93 43 00-0269	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	255.17	
32 93 43 00-0270	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	303.01	
32 93 43 00-0271	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	350.85	
32 93 43 00-0272	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	398.70	
32 93 43 00-0273	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	462.49	
32 93 43 00-0274	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	590.07	
32 93 43 00-0275	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	669.81	
32 93 43 00-0276	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	765.50	

32 93 43 00-0277 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0278	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	244.39	
32 93 43 00-0279	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	299.57	
32 93 43 00-0280	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	390.23	
32 93 43 00-0281	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	505.85	
32 93 43 00-0282	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	25.78	
32 93 43 00-0283	EA	4' To 5' Acer palmatum - Japanese Maple	54.13	
32 93 43 00-0284	EA	5' To 6' Acer palmatum - Japanese Maple	70.88	
32 93 43 00-0285	EA	6' To 7' Acer palmatum - Japanese Maple	128.88	
32 93 43 00-0286	EA	7' To 8' Acer palmatum - Japanese Maple	180.43	
32 93 43 00-0287	EA	8' To 10' Acer palmatum - Japanese Maple	231.99	
32 93 43 00-0288	EA	10' To 12' Acer palmatum - Japanese Maple	309.32	
32 93 43 00-0289	EA	2" Caliper Acer platanoides & cvs - Norway Maple	131.39	
32 93 43 00-0290	EA	2" Caliper Acer platanoides & cvs - Norway Maple	159.95	
32 93 43 00-0291	EA	3" Caliper Acer platanoides & cvs - Norway Maple	205.65	
32 93 43 00-0292	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	239.93	
32 93 43 00-0293	EA	4" Caliper Acer platanoides & cvs - Norway Maple	257.07	
32 93 43 00-0294	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	279.92	
32 93 43 00-0295	EA	5" Caliper Acer platanoides & cvs - Norway Maple	314.19	
32 93 43 00-0296	EA	2" Caliper Acer rubrum & cvs - Red Maple	125.68	
32 93 43 00-0297	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	159.95	
32 93 43 00-0298	EA	3" Caliper Acer rubrum & cvs - Red Maple	205.65	
32 93 43 00-0299	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	251.35	
32 93 43 00-0300	EA	4" Caliper Acer rubrum & cvs - Red Maple	285.63	
32 93 43 00-0301	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	331.33	
32 93 43 00-0302	EA	5" Caliper Acer rubrum & cvs - Red Maple	371.32	
32 93 43 00-0303	EA	8' Clump Form Acer rubrum & cvs - Red Maple	154.24	
32 93 43 00-0304	EA	10' Clump Form Acer rubrum & cvs - Red Maple	205.65	
32 93 43 00-0305	EA	12' Clump Form Acer rubrum & cvs - Red Maple	239.93	
32 93 43 00-0306	EA	14' Clump Form Acer rubrum & cvs - Red Maple	274.21	
32 93 43 00-0307	EA	16' Clump Form Acer rubrum & cvs - Red Maple	308.48	
32 93 43 00-0308	EA	18' Clump Form Acer rubrum & cvs - Red Maple	342.76	
32 93 43 00-0309	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	102.83	
32 93 43 00-0310	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	137.10	
32 93 43 00-0311	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	171.38	
32 93 43 00-0312	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	205.65	
32 93 43 00-0313	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	239.93	
32 93 43 00-0314	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	274.21	
32 93 43 00-0315	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	308.48	
32 93 43 00-0316	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	125.68	
32 93 43 00-0317	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	165.67	
32 93 43 00-0318	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	199.94	
32 93 43 00-0319	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	228.50	
32 93 43 00-0320	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	268.49	
32 93 43 00-0321	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	308.48	
32 93 43 00-0322	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	342.76	
32 93 43 00-0323	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	228.50	
32 93 43 00-0324	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	268.49	
32 93 43 00-0325	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	314.19	
32 93 43 00-0326	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	348.47	
32 93 43 00-0327	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	422.73	
32 93 43 00-0328	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	457.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0329	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	142.82	
32 93 43 00-0330	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	177.09	
32 93 43 00-0331	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	217.08	
32 93 43 00-0332	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	251.35	
32 93 43 00-0333	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	274.21	
32 93 43 00-0334	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	302.77	
32 93 43 00-0335	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	337.04	
32 93 43 00-0336	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	205.65	
32 93 43 00-0337	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	271.92	
32 93 43 00-0338	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	316.48	
32 93 43 00-0339	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	348.47	
32 93 43 00-0340	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	422.73	
32 93 43 00-0341	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	457.01	
32 93 43 00-0342	EA	2" Caliper Aesculus glabra - Ohio Buckeye	154.24	
32 93 43 00-0343	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	182.80	
32 93 43 00-0344	EA	3" Caliper Aesculus glabra - Ohio Buckeye	217.08	
32 93 43 00-0345	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	239.93	
32 93 43 00-0346	EA	4" Caliper Aesculus glabra - Ohio Buckeye	262.78	
32 93 43 00-0347	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	297.06	
32 93 43 00-0348	EA	5" Caliper Aesculus glabra - Ohio Buckeye	342.76	
32 93 43 00-0349	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	199.94	
32 93 43 00-0350	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	222.79	
32 93 43 00-0351	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	251.35	
32 93 43 00-0352	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	285.63	
32 93 43 00-0353	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	342.76	
32 93 43 00-0354	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	199.94	
32 93 43 00-0355	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	222.79	
32 93 43 00-0356	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	251.35	
32 93 43 00-0357	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	285.63	
32 93 43 00-0358	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	342.76	
32 93 43 00-0359	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	142.82	
32 93 43 00-0360	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	165.67	
32 93 43 00-0361	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	188.52	
32 93 43 00-0362	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	217.08	
32 93 43 00-0363	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	148.53	
32 93 43 00-0364	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	182.80	
32 93 43 00-0365	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	205.65	
32 93 43 00-0366	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	228.50	
32 93 43 00-0367	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	257.07	
32 93 43 00-0368	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	285.63	
32 93 43 00-0369	EA	2" Caliper Betula nigra - River Birch	142.82	
32 93 43 00-0370	EA	2-1/2" Caliper Betula nigra - River Birch	161.72	
32 93 43 00-0371	EA	3" Caliper Betula nigra - River Birch	182.80	
32 93 43 00-0372	EA	3-1/2" Caliper Betula nigra - River Birch	228.50	
32 93 43 00-0373	EA	4" Caliper Betula nigra - River Birch	257.07	
32 93 43 00-0374	EA	4-1/2" Caliper Betula nigra - River Birch	285.63	
32 93 43 00-0375	EA	5" Caliper Betula nigra - River Birch	314.19	
32 93 43 00-0376	EA	8' Clump Form Betula nigra - River Birch	131.39	
32 93 43 00-0377	EA	10' Clump Form Betula nigra - River Birch	148.53	
32 93 43 00-0378	EA	12' Clump Form Betula nigra - River Birch	171.38	
32 93 43 00-0379	EA	14' Clump Form Betula nigra - River Birch	199.94	
32 93 43 00-0380	EA	16' Clump Form Betula nigra - River Birch	228.50	
32 93 43 00-0381	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	171.38	
32 93 43 00-0382	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	205.65	
32 93 43 00-0383	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	239.93	
32 93 43 00-0384	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	285.63	
32 93 43 00-0385	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	297.06	
32 93 43 00-0386	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	228.50	
32 93 43 00-0387	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	257.07	
32 93 43 00-0388	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	297.06	
32 93 43 00-0389	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	359.89	
32 93 43 00-0390	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	102.83	
32 93 43 00-0391	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	142.82	
32 93 43 00-0392	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	177.09	
32 93 43 00-0393	EA	2" Caliper Catalpa speciosa - Northern Catalpa	125.68	
32 93 43 00-0394	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa	171.38	
32 93 43 00-0395	EA	3" Caliper Catalpa speciosa - Northern Catalpa	222.79	
32 93 43 00-0396	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa	268.49	
32 93 43 00-0397	EA	4" Caliper Catalpa speciosa - Northern Catalpa	308.48	
32 93 43 00-0398	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	159.95	
32 93 43 00-0399	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	182.80	
32 93 43 00-0400	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	222.79	
32 93 43 00-0401	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	262.78	
32 93 43 00-0402	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	302.77	
32 93 43 00-0403	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	342.76	
32 93 43 00-0404	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	199.94	
32 93 43 00-0405	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	228.50	
32 93 43 00-0406	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	268.49	
32 93 43 00-0407	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	319.91	
32 93 43 00-0408	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	159.95	
32 93 43 00-0409	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	188.52	
32 93 43 00-0410	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	228.50	
32 93 43 00-0411	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	285.63	
32 93 43 00-0412	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	342.76	
32 93 43 00-0413	EA	2" Caliper Cladrastus lutea - American Yellowwood	285.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0414	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	342.76	
32 93 43 00-0415	EA	3" Caliper Cladrastus lutea - American Yellowwood	399.88	
32 93 43 00-0416	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	457.01	
32 93 43 00-0417	EA	2" Caliper Corylus colurna - Turkish Filbert	177.09	
32 93 43 00-0418	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	199.94	
32 93 43 00-0419	EA	3" Caliper Corylus colurna - Turkish Filbert	228.50	
32 93 43 00-0420	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	262.78	
32 93 43 00-0421	EA	4" Caliper Corylus colurna - Turkish Filbert	314.19	
32 93 43 00-0422	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	365.61	
32 93 43 00-0423	EA	5" Caliper Corylus colurna - Turkish Filbert	417.02	
32 93 43 00-0424	EA	8' Clump Form Corylus colurna - Turkish Filbert	159.95	
32 93 43 00-0425	EA	10' Clump Form Corylus colurna - Turkish Filbert	194.23	
32 93 43 00-0426	EA	12' Clump Form Corylus colurna - Turkish Filbert	228.50	
32 93 43 00-0427	EA	14' Clump Form Corylus colurna - Turkish Filbert	257.07	
32 93 43 00-0428	EA	16' Clump Form Corylus colurna - Turkish Filbert	285.63	
32 93 43 00-0429	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon	102.83	
32 93 43 00-0430	EA	2" Caliper Diospyros virginiana - Common Persimmon	125.68	
32 93 43 00-0431	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon	159.95	
32 93 43 00-0432	EA	3" Caliper Diospyros virginiana - Common Persimmon	199.94	
32 93 43 00-0433	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon	239.93	
32 93 43 00-0434	EA	1-1/2" Caliper Fagus grandifolia - American Beech	228.50	
32 93 43 00-0435	EA	2" Caliper Fagus grandifolia - American Beech	297.06	
32 93 43 00-0436	EA	2-1/2" Caliper Fagus grandifolia - American Beech	377.03	
32 93 43 00-0437	EA	3" Caliper Fagus grandifolia - American Beech	457.01	
32 93 43 00-0438	EA	3-1/2" Caliper Fagus grandifolia - American Beech	542.70	
32 93 43 00-0439	EA	2" Caliper Fagus sylvatica & cvs - European Beech	257.07	
32 93 43 00-0440	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	308.48	
32 93 43 00-0441	EA	3" Caliper Fagus sylvatica & cvs - European Beech	371.32	
32 93 43 00-0442	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	411.31	
32 93 43 00-0443	EA	4" Caliper Fagus sylvatica & cvs - European Beech	485.57	
32 93 43 00-0444	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	628.39	
32 93 43 00-0445	EA	5" Caliper Fagus sylvatica & cvs - European Beech	742.64	
32 93 43 00-0446	EA	2" Caliper Fraxinus americana & cvs - White Ash	142.82	
32 93 43 00-0447	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	171.38	
32 93 43 00-0448	EA	3" Caliper Fraxinus americana & cvs - White Ash	217.08	
32 93 43 00-0449	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	262.78	
32 93 43 00-0450	EA	4" Caliper Fraxinus americana & cvs - White Ash	308.48	
32 93 43 00-0451	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	342.76	
32 93 43 00-0452	EA	5" Caliper Fraxinus americana & cvs - White Ash	399.88	
32 93 43 00-0453	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	125.68	
32 93 43 00-0454	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	148.53	
32 93 43 00-0455	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	199.94	
32 93 43 00-0456	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	239.93	
32 93 43 00-0457	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	285.63	
32 93 43 00-0458	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	308.48	
32 93 43 00-0459	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	342.76	
32 93 43 00-0460	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	171.38	
32 93 43 00-0461	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	211.37	
32 93 43 00-0462	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	257.07	
32 93 43 00-0463	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	314.19	
32 93 43 00-0464	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	371.32	
32 93 43 00-0465	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	199.94	
32 93 43 00-0466	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	222.79	
32 93 43 00-0467	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	251.35	
32 93 43 00-0468	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	279.92	
32 93 43 00-0469	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	314.19	
32 93 43 00-0470	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	342.76	
32 93 43 00-0471	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	514.13	
32 93 43 00-0472	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	571.26	
32 93 43 00-0473	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	137.10	
32 93 43 00-0474	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	171.38	
32 93 43 00-0475	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	205.65	
32 93 43 00-0476	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	239.93	
32 93 43 00-0477	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	274.21	
32 93 43 00-0478	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	308.48	
32 93 43 00-0479	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	365.61	
32 93 43 00-0480	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	72.26	
32 93 43 00-0481	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	85.40	
32 93 43 00-0482	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	118.25	
32 93 43 00-0483	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	153.73	
32 93 43 00-0484	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	170.81	
32 93 43 00-0485	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	202.34	
32 93 43 00-0486	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	177.09	
32 93 43 00-0487	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	217.08	
32 93 43 00-0488	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	257.07	
32 93 43 00-0489	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	302.77	
32 93 43 00-0490	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	342.76	
32 93 43 00-0491	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	382.74	
32 93 43 00-0492	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	428.45	
32 93 43 00-0493	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	88.41	
32 93 43 00-0494	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	108.30	
32 93 43 00-0495	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	137.22	
32 93 43 00-0496	EA	1-1/2" Caliper Juglans cinerea - Butternut	137.10	
32 93 43 00-0497	EA	2" Caliper Juglans cinerea - Butternut	159.95	
32 93 43 00-0498	EA	2-1/2" Caliper Juglans cinerea - Butternut	199.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0499	EA	3" Caliper Juglans cinerea - Butternut	251.35	
32 93 43 00-0500	EA	3-1/2" Caliper Juglans cinerea - Butternut	308.48	
32 93 43 00-0501	EA	1-1/2" Caliper Juglans nigra - Black Walnut	137.10	
32 93 43 00-0502	EA	2" Caliper Juglans nigra - Black Walnut	159.95	
32 93 43 00-0503	EA	2-1/2" Caliper Juglans nigra - Black Walnut	199.94	
32 93 43 00-0504	EA	3" Caliper Juglans nigra - Black Walnut	251.35	
32 93 43 00-0505	EA	3-1/2" Caliper Juglans nigra - Black Walnut	308.48	
32 93 43 00-0506	EA	4" Caliper Juglans nigra - Black Walnut	371.32	
32 93 43 00-0507	EA	4-1/2" Caliper Juglans nigra - Black Walnut	428.45	
32 93 43 00-0508	EA	5" Caliper Juglans nigra - Black Walnut	485.57	
32 93 43 00-0509	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	15.47	
32 93 43 00-0510	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	38.66	
32 93 43 00-0511	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	77.33	
32 93 43 00-0512	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	100.53	
32 93 43 00-0513	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	73.46	
32 93 43 00-0514	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	88.93	
32 93 43 00-0515	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	123.73	
32 93 43 00-0516	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	182.80	
32 93 43 00-0517	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	228.50	
32 93 43 00-0518	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	285.63	
32 93 43 00-0519	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	342.76	
32 93 43 00-0520	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	399.88	
32 93 43 00-0521	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	182.80	
32 93 43 00-0522	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	251.35	
32 93 43 00-0523	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0524	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	342.76	
32 93 43 00-0525	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	388.46	
32 93 43 00-0526	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	137.10	
32 93 43 00-0527	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	245.64	
32 93 43 00-0528	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0529	EA	10' To 12' Swietenia Mahagoni - Mahogany	101.17	
32 93 43 00-0530	EA	12' To 14' Swietenia Mahagoni - Mahogany	118.25	
32 93 43 00-0531	EA	14' To 16' Swietenia Mahagoni - Mahogany	157.67	
32 93 43 00-0532	EA	16' To 18' Swietenia Mahagoni - Mahogany	177.38	
32 93 43 00-0533	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	182.80	
32 93 43 00-0534	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	228.50	
32 93 43 00-0535	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	285.63	
32 93 43 00-0536	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	342.76	
32 93 43 00-0537	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	399.88	
32 93 43 00-0538	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	79.98	
32 93 43 00-0539	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	91.40	
32 93 43 00-0540	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	108.54	
32 93 43 00-0541	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	137.10	
32 93 43 00-0542	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	171.38	
32 93 43 00-0543	EA	2" Caliper Ostrya virginiana - American Hophornbeam	148.53	
32 93 43 00-0544	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	188.52	
32 93 43 00-0545	EA	3" Caliper Ostrya virginiana - American Hophornbeam	228.50	
32 93 43 00-0546	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	268.49	
32 93 43 00-0547	EA	4" Caliper Ostrya virginiana - American Hophornbeam	325.62	
32 93 43 00-0548	EA	2" Caliper Phellodendron amurense - Amur Corktree	114.25	
32 93 43 00-0549	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	142.82	
32 93 43 00-0550	EA	3" Caliper Phellodendron amurense - Amur Corktree	171.38	
32 93 43 00-0551	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	199.94	
32 93 43 00-0552	EA	4" Caliper Phellodendron amurense - Amur Corktree	228.50	
32 93 43 00-0553	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	257.07	
32 93 43 00-0554	EA	5" Caliper Phellodendron amurense - Amur Corktree	285.63	
32 93 43 00-0555	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	248.18	
32 93 43 00-0556	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	361.00	
32 93 43 00-0557	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	537.01	
32 93 43 00-0558	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.04	
32 93 43 00-0559	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.28	
32 93 43 00-0560	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	135.37	
32 93 43 00-0561	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	164.28	
32 93 43 00-0562	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	68.32	
32 93 43 00-0563	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	85.40	
32 93 43 00-0564	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	151.10	
32 93 43 00-0565	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	216.79	
32 93 43 00-0566	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	137.10	
32 93 43 00-0567	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	165.67	
32 93 43 00-0568	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	199.94	
32 93 43 00-0569	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	239.93	
32 93 43 00-0570	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	285.63	
32 93 43 00-0571	EA	2" Caliper Populus alba & cvs - White Poplar	137.10	
32 93 43 00-0572	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	159.95	
32 93 43 00-0573	EA	3" Caliper Populus alba & cvs - White Poplar	182.80	
32 93 43 00-0574	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	217.08	
32 93 43 00-0575	EA	4" Caliper Populus alba & cvs - White Poplar	239.93	
32 93 43 00-0576	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	274.21	
32 93 43 00-0577	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	125.68	
32 93 43 00-0578	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	165.67	
32 93 43 00-0579	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	199.94	
32 93 43 00-0580	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	239.93	
32 93 43 00-0581	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	285.63	
32 93 43 00-0582	EA	6' To 8' Quercus acutissima - Sawtooth Oak	42.96	
32 93 43 00-0583	EA	8' To 10' Quercus acutissima - Sawtooth Oak	64.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0584	EA	10' To 12' Quercus acutissima - Sawtooth Oak	75.18	
32 93 43 00-0585	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	85.92	
32 93 43 00-0586	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	96.66	
32 93 43 00-0587	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	340.25	
32 93 43 00-0588	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	458.55	
32 93 43 00-0589	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	620.16	
32 93 43 00-0590	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	827.76	
32 93 43 00-0591	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	998.56	
32 93 43 00-0592	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,103.68	
32 93 43 00-0593	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,484.71	
32 93 43 00-0594	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,865.74	
32 93 43 00-0595	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,246.77	
32 93 43 00-0596	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,726.34	
32 93 43 00-0597	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,205.92	
32 93 43 00-0598	EA	2" Caliper Quercus alba - White Oak	171.38	
32 93 43 00-0599	EA	2-1/2" Caliper Quercus alba - White Oak	199.94	
32 93 43 00-0600	EA	3" Caliper Quercus alba - White Oak	251.35	
32 93 43 00-0601	EA	3-1/2" Caliper Quercus alba - White Oak	314.19	
32 93 43 00-0602	EA	4" Caliper Quercus alba - White Oak	371.32	
32 93 43 00-0603	EA	4-1/2" Caliper Quercus alba - White Oak	457.01	
32 93 43 00-0604	EA	5" Caliper Quercus alba - White Oak	542.70	
32 93 43 00-0605	EA	2" Caliper Quercus bicolor - Swamp White Oak	199.94	
32 93 43 00-0606	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	228.50	
32 93 43 00-0607	EA	3" Caliper Quercus bicolor - Swamp White Oak	262.78	
32 93 43 00-0608	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	291.34	
32 93 43 00-0609	EA	4" Caliper Quercus bicolor - Swamp White Oak	331.33	
32 93 43 00-0610	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	365.61	
32 93 43 00-0611	EA	5" Caliper Quercus bicolor - Swamp White Oak	411.31	
32 93 43 00-0612	EA	10' Clump Form Quercus bicolor - Swamp White Oak	285.63	
32 93 43 00-0613	EA	12' Clump Form Quercus bicolor - Swamp White Oak	342.76	
32 93 43 00-0614	EA	14' Clump Form Quercus bicolor - Swamp White Oak	399.88	
32 93 43 00-0615	EA	16' Clump Form Quercus bicolor - Swamp White Oak	457.01	
32 93 43 00-0616	EA	2" Caliper Quercus coccinea - Scarlet Oak	148.53	
32 93 43 00-0617	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	188.52	
32 93 43 00-0618	EA	3" Caliper Quercus coccinea - Scarlet Oak	234.22	
32 93 43 00-0619	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	285.63	
32 93 43 00-0620	EA	4" Caliper Quercus coccinea - Scarlet Oak	342.76	
32 93 43 00-0621	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	405.60	
32 93 43 00-0622	EA	5" Caliper Quercus coccinea - Scarlet Oak	474.15	
32 93 43 00-0623	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	148.53	
32 93 43 00-0624	EA	2" Caliper Quercus imbricaria - Shingle Oak	199.94	
32 93 43 00-0625	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	268.49	
32 93 43 00-0626	EA	3" Caliper Quercus imbricaria - Shingle Oak	399.88	
32 93 43 00-0627	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	542.70	
32 93 43 00-0628	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	148.53	
32 93 43 00-0629	EA	2" Caliper Quercus macrocarpa - Bur Oak	177.09	
32 93 43 00-0630	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	211.37	
32 93 43 00-0631	EA	3" Caliper Quercus macrocarpa - Bur Oak	257.07	
32 93 43 00-0632	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	314.19	
32 93 43 00-0633	EA	4" Caliper Quercus macrocarpa - Bur Oak	371.32	
32 93 43 00-0634	EA	9' Clump Form Quercus macrocarpa - Bur Oak	342.76	
32 93 43 00-0635	EA	10' Clump Form Quercus macrocarpa - Bur Oak	399.88	
32 93 43 00-0636	EA	12' Clump Form Quercus macrocarpa - Bur Oak	457.01	
32 93 43 00-0637	EA	2" Caliper Quercus palustris - Pin Oak	125.68	
32 93 43 00-0638	EA	2-1/2" Caliper Quercus palustris - Pin Oak	171.38	
32 93 43 00-0639	EA	3" Caliper Quercus palustris - Pin Oak	222.79	
32 93 43 00-0640	EA	3-1/2" Caliper Quercus palustris - Pin Oak	257.07	
32 93 43 00-0641	EA	4" Caliper Quercus palustris - Pin Oak	297.06	
32 93 43 00-0642	EA	4-1/2" Caliper Quercus palustris - Pin Oak	337.04	
32 93 43 00-0643	EA	5" Caliper Quercus palustris - Pin Oak	371.32	
32 93 43 00-0644	EA	2" Caliper Quercus robur & cvs - English Oak	148.53	
32 93 43 00-0645	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	182.80	
32 93 43 00-0646	EA	3" Caliper Quercus robur & cvs - English Oak	217.08	
32 93 43 00-0647	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	257.07	
32 93 43 00-0648	EA	4" Caliper Quercus robur & cvs - English Oak	297.06	
32 93 43 00-0649	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	342.76	
32 93 43 00-0650	EA	5" Caliper Quercus robur & cvs - English Oak	388.46	
32 93 43 00-0651	EA	2" Caliper Quercus rubra - Red Oak	171.38	
32 93 43 00-0652	EA	2-1/2" Caliper Quercus rubra - Red Oak	199.94	
32 93 43 00-0653	EA	3" Caliper Quercus rubra - Red Oak	239.93	
32 93 43 00-0654	EA	3-1/2" Caliper Quercus rubra - Red Oak	285.63	
32 93 43 00-0655	EA	4" Caliper Quercus rubra - Red Oak	342.76	
32 93 43 00-0656	EA	4-1/2" Caliper Quercus rubra - Red Oak	399.88	
32 93 43 00-0657	EA	5" Caliper Quercus rubra - Red Oak	457.01	
32 93 43 00-0658	EA	16' Clump Form Quercus rubra - Red Oak	371.32	
32 93 43 00-0659	EA	18' Clump Form Quercus rubra - Red Oak	445.58	
32 93 43 00-0660	EA	20' Clump Form Quercus rubra - Red Oak	497.00	
32 93 43 00-0661	EA	2" Caliper Quercus shumardii - Shumard Oak	194.23	
32 93 43 00-0662	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	245.64	
32 93 43 00-0663	EA	3" Caliper Quercus shumardii - Shumard Oak	285.63	
32 93 43 00-0664	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	342.76	
32 93 43 00-0665	EA	4" Caliper Quercus shumardii - Shumard Oak	399.88	
32 93 43 00-0666	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	457.01	
32 93 43 00-0667	EA	5" Caliper Quercus shumardii - Shumard Oak	514.13	
32 93 43 00-0668	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	171.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0669	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	205.65	
32 93 43 00-0670	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	257.07	
32 93 43 00-0671	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	314.19	
32 93 43 00-0672	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	365.61	
32 93 43 00-0673	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	411.31	
32 93 43 00-0674	EA	24" Box Salix babylonica - Weeping Willow	144.39	
32 93 43 00-0675	EA	36" Box Salix babylonica - Weeping Willow	361.00	
32 93 43 00-0676	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	83.04	
32 93 43 00-0677	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	99.28	
32 93 43 00-0678	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	108.30	
32 93 43 00-0679	EA	2" Caliper Salix alba & cvs - White Willow	91.40	
32 93 43 00-0680	EA	2-1/2" Caliper Salix alba & cvs - White Willow	108.54	
32 93 43 00-0681	EA	3" Caliper Salix alba & cvs - White Willow	142.82	
32 93 43 00-0682	EA	3-1/2" Caliper Salix alba & cvs - White Willow	171.38	
32 93 43 00-0683	EA	4" Caliper Salix alba & cvs - White Willow	205.65	
32 93 43 00-0684	EA	4-1/2" Caliper Salix alba & cvs - White Willow	239.93	
32 93 43 00-0685	EA	5" Caliper Salix alba & cvs - White Willow	274.21	
32 93 43 00-0686	EA	5' Clump Form Sassafras albidum - Common Sassafras	108.54	
32 93 43 00-0687	EA	6' Clump Form Sassafras albidum - Common Sassafras	131.39	
32 93 43 00-0688	EA	7' Clump Form Sassafras albidum - Common Sassafras	165.67	
32 93 43 00-0689	EA	8' Clump Form Sassafras albidum - Common Sassafras	188.52	
32 93 43 00-0690	EA	10' Clump Form Sassafras albidum - Common Sassafras	211.37	
32 93 43 00-0691	EA	12' Clump Form Sassafras albidum - Common Sassafras	257.07	
32 93 43 00-0692	EA	14' Clump Form Sassafras albidum - Common Sassafras	314.19	
32 93 43 00-0693	EA	16' Clump Form Sassafras albidum - Common Sassafras	371.32	
32 93 43 00-0694	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	189.20	
32 93 43 00-0695	EA	2" Caliper Sophora japonica - Chinese Scholar	210.22	
32 93 43 00-0696	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	282.49	
32 93 43 00-0697	EA	3" Caliper Sophora japonica - Chinese Scholar	367.89	
32 93 43 00-0698	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	427.02	
32 93 43 00-0699	EA	2" Caliper Taxodium distichum - Common Bald Cypress	142.82	
32 93 43 00-0700	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	165.67	
32 93 43 00-0701	EA	3" Caliper Taxodium distichum - Common Bald Cypress	199.94	
32 93 43 00-0702	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	228.50	
32 93 43 00-0703	EA	4" Caliper Taxodium distichum - Common Bald Cypress	251.35	
32 93 43 00-0704	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	125.68	
32 93 43 00-0705	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	142.82	
32 93 43 00-0706	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	205.65	
32 93 43 00-0707	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	228.50	
32 93 43 00-0708	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	257.07	
32 93 43 00-0709	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	297.06	
32 93 43 00-0710	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	342.76	
32 93 43 00-0711	EA	2' Thuja occidentalis - American Arborviatae	19.58	
32 93 43 00-0712	EA	2-1/2' Thuja occidentalis - American Arborviatae	21.15	
32 93 43 00-0713	EA	3' Thuja occidentalis - American Arborviatae	30.22	
32 93 43 00-0714	EA	4' Thuja occidentalis - American Arborviatae	41.52	
32 93 43 00-0715	EA	5' Thuja occidentalis - American Arborviatae	57.81	
32 93 43 00-0716	EA	6' Thuja occidentalis - American Arborviatae	80.15	
32 93 43 00-0717	EA	7' Thuja occidentalis - American Arborviatae	97.23	
32 93 43 00-0718	EA	8' Thuja occidentalis - American Arborviatae	136.65	
32 93 43 00-0719	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	142.82	
32 93 43 00-0720	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	165.67	
32 93 43 00-0721	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	211.37	
32 93 43 00-0722	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	245.64	
32 93 43 00-0723	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	279.92	
32 93 43 00-0724	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	314.19	
32 93 43 00-0725	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	342.76	
32 93 43 00-0726	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	182.80	
32 93 43 00-0727	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	199.94	
32 93 43 00-0728	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	228.50	
32 93 43 00-0729	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	262.78	
32 93 43 00-0730	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	143.67	
32 93 43 00-0731	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	173.55	
32 93 43 00-0732	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	199.94	
32 93 43 00-0733	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	245.64	
32 93 43 00-0734	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	279.92	
32 93 43 00-0735	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	314.19	
32 93 43 00-0736	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	348.47	
32 93 43 00-0737	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	159.95	
32 93 43 00-0738	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	177.09	
32 93 43 00-0739	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	194.23	
32 93 43 00-0740	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	217.08	
32 93 43 00-0741	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	251.35	
32 93 43 00-0742	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	297.06	
32 93 43 00-0743	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	388.46	
32 93 43 00-0744	EA	2" Caliper Tilia x euchlora - Crimean Linden	159.95	
32 93 43 00-0745	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	205.65	
32 93 43 00-0746	EA	3" Caliper Tilia x euchlora - Crimean Linden	251.35	
32 93 43 00-0747	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	285.63	
32 93 43 00-0748	EA	4" Caliper Tilia x euchlora - Crimean Linden	319.91	
32 93 43 00-0749	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	359.89	
32 93 43 00-0750	EA	5" Caliper Tilia x euchlora - Crimean Linden	388.46	
32 93 43 00-0751	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	159.95	
32 93 43 00-0752	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	182.80	
32 93 43 00-0753	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	199.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0754	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	217.08	
32 93 43 00-0755	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	239.93	
32 93 43 00-0756	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	285.63	
32 93 43 00-0757	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	337.04	
32 93 43 00-0758	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	182.80	
32 93 43 00-0759	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	199.94	
32 93 43 00-0760	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	217.08	
32 93 43 00-0761	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	239.93	
32 93 43 00-0762	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	285.63	
32 93 43 00-0763	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	337.04	
32 93 43 00-0764	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	388.46	
32 93 43 00-0765	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	182.80	
32 93 43 00-0766	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	199.94	
32 93 43 00-0767	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	217.08	
32 93 43 00-0768	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	239.93	
32 93 43 00-0769	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	285.63	
32 93 43 00-0770	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	337.04	
32 93 43 00-0771	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	388.46	

32 93 43 00-0772 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0773	EA	6' Abies balsamea - Balsam Fir	139.70	
32 93 43 00-0774	EA	7' Abies balsamea - Balsam Fir	174.62	
32 93 43 00-0775	EA	8' Abies balsamea - Balsam Fir	209.54	
32 93 43 00-0776	EA	9' Abies balsamea - Balsam Fir	279.39	
32 93 43 00-0777	EA	10' Abies balsamea - Balsam Fir	349.24	
32 93 43 00-0778	EA	12' Abies balsamea - Balsam Fir	419.09	
32 93 43 00-0779	EA	6' Abies concolor - White Fir	202.56	
32 93 43 00-0780	EA	7' Abies concolor - White Fir	230.50	
32 93 43 00-0781	EA	8' Abies concolor - White Fir	272.41	
32 93 43 00-0782	EA	9' Abies concolor - White Fir	314.32	
32 93 43 00-0783	EA	10' Abies concolor - White Fir	370.19	
32 93 43 00-0784	EA	12' Abies concolor - White Fir	454.01	
32 93 43 00-0785	EA	14' Abies concolor - White Fir	558.78	
32 93 43 00-0786	EA	16' Abies concolor - White Fir	628.63	
32 93 43 00-0787	EA	6' Abies fraseri - Frasier Fir	139.70	
32 93 43 00-0788	EA	7' Abies fraseri - Frasier Fir	174.62	
32 93 43 00-0789	EA	8' Abies fraseri - Frasier Fir	209.54	
32 93 43 00-0790	EA	9' Abies fraseri - Frasier Fir	279.39	
32 93 43 00-0791	EA	10' Abies fraseri - Frasier Fir	349.24	
32 93 43 00-0792	EA	12' Abies fraseri - Frasier Fir	419.09	
32 93 43 00-0793	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	25.16	
32 93 43 00-0794	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	40.45	
32 93 43 00-0795	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	60.09	
32 93 43 00-0796	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	80.84	
32 93 43 00-0797	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	114.77	
32 93 43 00-0798	EA	6' To 8' Cedrus deodara - Indian Cedar	103.85	
32 93 43 00-0799	EA	8' To 10' Cedrus deodara - Indian Cedar	120.24	
32 93 43 00-0800	EA	10' To 12' Cedrus deodara - Indian Cedar	163.94	
32 93 43 00-0801	EA	12' To 14' Cedrus deodara - Indian Cedar	213.11	
32 93 43 00-0802	EA	14' To 16' Cedrus deodara - Indian Cedar	273.25	
32 93 43 00-0803	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	32.46	
32 93 43 00-0804	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	48.69	
32 93 43 00-0805	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	75.74	
32 93 43 00-0806	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	129.85	
32 93 43 00-0807	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	39.34	
32 93 43 00-0808	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	61.25	
32 93 43 00-0809	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	76.48	
32 93 43 00-0810	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	109.31	
32 93 43 00-0811	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.43	
32 93 43 00-0812	EA	3 Gallon Cleyera japonica - Japanese Cleyera	11.11	
32 93 43 00-0813	EA	7 Gallon Cleyera japonica - Japanese Cleyera	31.82	
32 93 43 00-0814	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.86	
32 93 43 00-0815	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	71.44	
32 93 43 00-0816	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	31.25	
32 93 43 00-0817	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	40.18	
32 93 43 00-0818	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	62.51	
32 93 43 00-0819	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	151.81	
32 93 43 00-0820	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.26	
32 93 43 00-0821	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.66	
32 93 43 00-0822	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	48.85	
32 93 43 00-0823	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.81	
32 93 43 00-0824	EA	15 Gallon Cupressus sempervirens - Italian Cypress	46.22	
32 93 43 00-0825	EA	1 Gallon Illicium anisatum - Anise Tree	4.80	
32 93 43 00-0826	EA	3 Gallon Illicium anisatum - Anise Tree	11.11	
32 93 43 00-0827	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.94	
32 93 43 00-0828	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	9.66	
32 93 43 00-0829	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	11.98	
32 93 43 00-0830	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	14.08	
32 93 43 00-0831	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.94	
32 93 43 00-0832	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.66	
32 93 43 00-0833	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.98	
32 93 43 00-0834	EA	5 Gallon Juniperus - Blue Sargent Juniper	14.08	
32 93 43 00-0835	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	14.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0836	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	15.23	
32 93 43 00-0837	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	18.38	
32 93 43 00-0838	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	27.31	
32 93 43 00-0839	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	31.62	
32 93 43 00-0840	EA	5' To 6' Juniperus - Fairview Juniper	47.10	
32 93 43 00-0841	EA	1 Gallon Juniperus - Hollywood Juniper	6.30	
32 93 43 00-0842	EA	5 Gallon Juniperus - Hollywood Juniper	17.54	
32 93 43 00-0843	EA	15 Gallon Juniperus - Hollywood Juniper	74.38	
32 93 43 00-0844	EA	4' To 5' Juniperus - Hollywood Juniper	49.17	
32 93 43 00-0845	EA	5' To 6' Juniperus - Hollywood Juniper	63.35	
32 93 43 00-0846	EA	1 Gallon Juniperus - Parson's Juniper	4.94	
32 93 43 00-0847	EA	2 Gallon Juniperus - Parson's Juniper	9.77	
32 93 43 00-0848	EA	3 Gallon Juniperus - Parson's Juniper	12.08	
32 93 43 00-0849	EA	5 Gallon Juniperus - Parson's Juniper	14.29	
32 93 43 00-0850	EA	5 Gallon Juniperus - Skyrocket Juniper	17.65	
32 93 43 00-0851	EA	15 Gallon Juniperus - Skyrocket Juniper	75.11	
32 93 43 00-0852	EA	2' To 3' Juniperus - Skyrocket Juniper	26.47	
32 93 43 00-0853	EA	3' To 4' Juniperus - Skyrocket Juniper	37.50	
32 93 43 00-0854	EA	4' To 5' Juniperus - Skyrocket Juniper	49.69	
32 93 43 00-0855	EA	5' To 6' Juniperus - Skyrocket Juniper	64.08	
32 93 43 00-0856	EA	6' To 8' Juniperus - Skyrocket Juniper	82.78	
32 93 43 00-0857	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.94	
32 93 43 00-0858	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.72	
32 93 43 00-0859	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.92	
32 93 43 00-0860	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	14.13	
32 93 43 00-0861	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.94	
32 93 43 00-0862	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.72	
32 93 43 00-0863	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.92	
32 93 43 00-0864	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	14.13	
32 93 43 00-0865	EA	2' To 3' Juniperus Virginiana - Eastern Red Cedar	26.47	
32 93 43 00-0866	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	37.50	
32 93 43 00-0867	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	49.69	
32 93 43 00-0868	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	64.08	
32 93 43 00-0869	EA	5' Picea abies & cvs - Norway Spruce	153.67	
32 93 43 00-0870	EA	6' Picea abies & cvs - Norway Spruce	174.62	
32 93 43 00-0871	EA	7' Picea abies & cvs - Norway Spruce	209.54	
32 93 43 00-0872	EA	8' Picea abies & cvs - Norway Spruce	244.47	
32 93 43 00-0873	EA	9' Picea abies & cvs - Norway Spruce	328.28	
32 93 43 00-0874	EA	10' Picea abies & cvs - Norway Spruce	398.13	
32 93 43 00-0875	EA	12' Picea abies & cvs - Norway Spruce	488.93	
32 93 43 00-0876	EA	14' Picea abies & cvs - Norway Spruce	593.71	
32 93 43 00-0877	EA	6' Picea glauca - White Spruce	146.68	
32 93 43 00-0878	EA	7' Picea glauca - White Spruce	209.54	
32 93 43 00-0879	EA	8' Picea glauca - White Spruce	244.47	
32 93 43 00-0880	EA	9' Picea glauca - White Spruce	293.36	
32 93 43 00-0881	EA	10' Picea glauca - White Spruce	349.24	
32 93 43 00-0882	EA	12' Picea glauca - White Spruce	419.09	
32 93 43 00-0883	EA	4' Picea glauca densata - Black Hills Spruce	83.82	
32 93 43 00-0884	EA	5' Picea glauca densata - Black Hills Spruce	125.73	
32 93 43 00-0885	EA	6' Picea glauca densata - Black Hills Spruce	188.59	
32 93 43 00-0886	EA	7' Picea glauca densata - Black Hills Spruce	223.51	
32 93 43 00-0887	EA	8' Picea glauca densata - Black Hills Spruce	258.44	
32 93 43 00-0888	EA	9' Picea glauca densata - Black Hills Spruce	286.38	
32 93 43 00-0889	EA	10' Picea glauca densata - Black Hills Spruce	314.32	
32 93 43 00-0890	EA	6' Picea omorika & cvs - Serbian Spruce	188.59	
32 93 43 00-0891	EA	7' Picea omorika & cvs - Serbian Spruce	209.54	
32 93 43 00-0892	EA	8' Picea omorika & cvs - Serbian Spruce	251.45	
32 93 43 00-0893	EA	9' Picea omorika & cvs - Serbian Spruce	293.36	
32 93 43 00-0894	EA	10' Picea omorika & cvs - Serbian Spruce	335.27	
32 93 43 00-0895	EA	5' Picea pungens - Colorado Green Spruce	153.67	
32 93 43 00-0896	EA	6' Picea pungens - Colorado Green Spruce	195.57	
32 93 43 00-0897	EA	7' Picea pungens - Colorado Green Spruce	230.50	
32 93 43 00-0898	EA	8' Picea pungens - Colorado Green Spruce	265.42	
32 93 43 00-0899	EA	9' Picea pungens - Colorado Green Spruce	307.33	
32 93 43 00-0900	EA	10' Picea pungens - Colorado Green Spruce	579.74	
32 93 43 00-0901	EA	12' Picea pungens - Colorado Green Spruce	419.09	
32 93 43 00-0902	EA	14' Picea pungens - Colorado Green Spruce	488.93	
32 93 43 00-0903	EA	16' Picea pungens - Colorado Green Spruce	628.63	
32 93 43 00-0904	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	153.67	
32 93 43 00-0905	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	209.54	
32 93 43 00-0906	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	244.47	
32 93 43 00-0907	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	279.39	
32 93 43 00-0908	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	314.32	
32 93 43 00-0909	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	384.16	
32 93 43 00-0910	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	488.93	
32 93 43 00-0911	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	733.40	
32 93 43 00-0912	EA	2' Pinus strobus - Pyramidal White Pine	19.34	
32 93 43 00-0913	EA	3' Pinus strobus - Pyramidal White Pine	25.85	
32 93 43 00-0914	EA	4' Pinus strobus - Pyramidal White Pine	28.52	
32 93 43 00-0915	EA	5' Pinus strobus - Pyramidal White Pine	31.18	
32 93 43 00-0916	EA	6' Pinus strobus - Pyramidal White Pine	38.85	
32 93 43 00-0917	EA	7' Pinus strobus - Pyramidal White Pine	51.69	
32 93 43 00-0918	EA	8' Pinus strobus - Pyramidal White Pine	71.04	
32 93 43 00-0919	EA	10' Pinus strobus - Pyramidal White Pine	141.74	
32 93 43 00-0920	EA	12' Pinus strobus - Pyramidal White Pine	336.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0921	EA	14' Pinus strobus - Pyramidal White Pine	451.91	
32 93 43 00-0922	EA	16' Pinus strobus - Pyramidal White Pine	543.62	
32 93 43 00-0923	EA	2' Pinus strobus - White Pine	29.72	
32 93 43 00-0924	EA	3' Pinus strobus - White Pine	42.41	
32 93 43 00-0925	EA	4' Pinus strobus - White Pine	67.63	
32 93 43 00-0926	EA	5' Pinus strobus - White Pine	96.39	
32 93 43 00-0927	EA	6' Pinus strobus - White Pine	141.37	
32 93 43 00-0928	EA	7' Pinus strobus - White Pine	168.68	
32 93 43 00-0929	EA	8' Pinus strobus - White Pine	228.12	
32 93 43 00-0930	EA	10' Pinus strobus - White Pine	306.84	
32 93 43 00-0931	EA	12' Pinus strobus - White Pine	406.44	
32 93 43 00-0932	EA	14' Pinus strobus - White Pine	498.02	
32 93 43 00-0933	EA	16' Pinus strobus - White Pine	605.65	
32 93 43 00-0934	EA	3' Pinus sylvestris - Scotch Pine	45.89	
32 93 43 00-0935	EA	4' Pinus sylvestris - Scotch Pine	63.70	
32 93 43 00-0936	EA	5' Pinus sylvestris - Scotch Pine	89.41	
32 93 43 00-0937	EA	6' Pinus sylvestris - Scotch Pine	124.05	
32 93 43 00-0938	EA	7' Pinus sylvestris - Scotch Pine	151.99	
32 93 43 00-0939	EA	8' Pinus sylvestris - Scotch Pine	214.57	
32 93 43 00-0940	EA	9' Pinus sylvestris - Scotch Pine	272.41	
32 93 43 00-0941	EA	10' Pinus sylvestris - Scotch Pine	314.32	
32 93 43 00-0942	EA	12' Pinus sylvestris - Scotch Pine	370.19	
32 93 43 00-0943	EA	14' Pinus sylvestris - Scotch Pine	419.09	
32 93 43 00-0944	EA	16' Pinus sylvestris - Scotch Pine	488.93	
32 93 43 00-0945	EA	5' To 6' Pinus taeda - Loblolly Pine	19.97	
32 93 43 00-0946	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.94	
32 93 43 00-0947	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	17.54	
32 93 43 00-0948	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	56.84	
32 93 43 00-0949	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	24.06	
32 93 43 00-0950	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	30.57	
32 93 43 00-0951	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	45.91	
32 93 43 00-0952	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	89.61	
32 93 43 00-0953	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	100.54	
32 93 43 00-0954	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	125.65	
32 93 43 00-0955	EA	4' Pinus cembra - Swiss Stone Pine	118.74	
32 93 43 00-0956	EA	5' Pinus cembra - Swiss Stone Pine	146.68	
32 93 43 00-0957	EA	6' Pinus cembra - Swiss Stone Pine	181.60	
32 93 43 00-0958	EA	6' Pinus flexilis & cvs - Limber Pine	174.62	
32 93 43 00-0959	EA	7' Pinus flexilis & cvs - Limber Pine	202.56	
32 93 43 00-0960	EA	8' Pinus flexilis & cvs - Limber Pine	251.45	
32 93 43 00-0961	EA	9' Pinus flexilis & cvs - Limber Pine	307.33	
32 93 43 00-0962	EA	10' Pinus flexilis & cvs - Limber Pine	349.24	
32 93 43 00-0963	EA	1 Gallon Pinus mugo - Mugho Pine	6.51	
32 93 43 00-0964	EA	2 Gallon Pinus mugo - Mugho Pine	13.76	
32 93 43 00-0965	EA	3 Gallon Pinus mugo - Mugho Pine	17.23	
32 93 43 00-0966	EA	5 Gallon Pinus mugo - Mugho Pine	21.85	
32 93 43 00-0967	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.91	
32 93 43 00-0968	EA	15" To 18" Spread Pinus mugo - Mugho Pine	20.17	
32 93 43 00-0969	EA	18" To 24" Spread Pinus mugo - Mugho Pine	27.31	
32 93 43 00-0970	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	38.24	
32 93 43 00-0971	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	49.17	
32 93 43 00-0972	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	61.25	
32 93 43 00-0973	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	74.38	
32 93 43 00-0974	EA	6' Pinus nigra - Austrian Pine	174.62	
32 93 43 00-0975	EA	7' Pinus nigra - Austrian Pine	209.54	
32 93 43 00-0976	EA	8' Pinus nigra - Austrian Pine	272.41	
32 93 43 00-0977	EA	9' Pinus nigra - Austrian Pine	314.32	
32 93 43 00-0978	EA	10' Pinus nigra - Austrian Pine	370.19	
32 93 43 00-0979	EA	12' Pinus nigra - Austrian Pine	419.09	
32 93 43 00-0980	EA	14' Pinus nigra - Austrian Pine	467.98	
32 93 43 00-0981	EA	16' Pinus nigra - Austrian Pine	530.84	
32 93 43 00-0982	EA	5' Pinus peuce - Macedonian Pine	216.53	
32 93 43 00-0983	EA	6' Pinus peuce - Macedonian Pine	272.41	
32 93 43 00-0984	EA	7' Pinus peuce - Macedonian Pine	314.32	
32 93 43 00-0985	EA	8' Pinus peuce - Macedonian Pine	356.22	
32 93 43 00-0986	EA	9' Pinus peuce - Macedonian Pine	412.10	
32 93 43 00-0987	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.26	
32 93 43 00-0988	EA	3 Gallon Podocarpus - Chinese Podocarpus	7.56	
32 93 43 00-0989	EA	7 Gallon Podocarpus - Chinese Podocarpus	21.85	
32 93 43 00-0990	EA	15 Gallon Podocarpus - Chinese Podocarpus	35.51	
32 93 43 00-0991	EA	4' To 5' Podocarpus - Chinese Podocarpus	54.63	
32 93 43 00-0992	EA	5' Pseudotsuga menziesii - Douglas Fir	139.70	
32 93 43 00-0993	EA	6' Pseudotsuga menziesii - Douglas Fir	167.63	
32 93 43 00-0994	EA	7' Pseudotsuga menziesii - Douglas Fir	209.54	
32 93 43 00-0995	EA	8' Pseudotsuga menziesii - Douglas Fir	251.45	
32 93 43 00-0996	EA	9' Pseudotsuga menziesii - Douglas Fir	314.32	
32 93 43 00-0997	EA	10' Pseudotsuga menziesii - Douglas Fir	370.19	
32 93 43 00-0998	EA	12' Pseudotsuga menziesii - Douglas Fir	419.09	
32 93 43 00-0999	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	68.29	
32 93 43 00-1000	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	92.19	
32 93 43 00-1001	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	112.67	
32 93 43 00-1002	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	13.17	
32 93 43 00-1003	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	48.54	
32 93 43 00-1004	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	60.67	
32 93 43 00-1005	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	75.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1006	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	94.92	
32 93 43 00-1007	EA	6' Tsuga canadensis - Northern Hemlock	139.70	
32 93 43 00-1008	EA	7' Tsuga canadensis - Northern Hemlock	174.62	
32 93 43 00-1009	EA	8' Tsuga canadensis - Northern Hemlock	237.48	
32 93 43 00-1010	EA	9' Tsuga canadensis - Northern Hemlock	279.39	
32 93 43 00-1011	EA	10' Tsuga canadensis - Northern Hemlock	314.32	
32 93 43 00-1012	EA	12' Tsuga canadensis - Northern Hemlock	349.24	
32 93 43 00-1013	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	24.65	

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.98	
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	3.16	
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	3.94	
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	6.32	
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	31.60	
		For >10 To 25, Deduct	*-1.58*	
		For >25 To 50, Deduct	*-3.95*	
		For >50 To 100, Deduct	*-6.32*	
		For >100, Deduct	*-9.48*	
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	44.24	
		For >10 To 25, Deduct	*-2.21*	
		For >25 To 50, Deduct	*-5.53*	
		For >50 To 100, Deduct	*-8.85*	
		For >100, Deduct	*-13.27*	
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	56.87	
		For >10 To 25, Deduct	*-2.84*	
		For >25 To 50, Deduct	*-7.11*	
		For >50 To 100, Deduct	*-11.37*	
		For >100, Deduct	*-17.06*	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	94.78	
		For >10 To 25, Deduct	*-4.74*	
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-18.96*	
		For >100, Deduct	*-28.43*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	126.37	
		For >10 To 25, Deduct	*-6.32*	
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-25.27*	
		For >100, Deduct	*-37.91*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	164.28	
		For >10 To 25, Deduct	*-8.21*	
		For >25 To 50, Deduct	*-20.54*	
		For >50 To 100, Deduct	*-32.86*	
		For >100, Deduct	*-49.28*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	233.79	
		For >10 To 25, Deduct	*-11.69*	
		For >25 To 50, Deduct	*-29.22*	
		For >50 To 100, Deduct	*-46.76*	
		For >100, Deduct	*-70.14*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	385.44	
		For >10 To 25, Deduct	*-19.27*	
		For >25 To 50, Deduct	*-48.18*	
		For >50 To 100, Deduct	*-77.09*	
		For >100, Deduct	*-115.63*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	499.17	
		For >10 To 25, Deduct	*-24.96*	
		For >25 To 50, Deduct	*-62.40*	
		For >50 To 100, Deduct	*-99.83*	
		For >100, Deduct	*-149.75*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	600.28	
		For >10 To 25, Deduct	*-30.01*	
		For >25 To 50, Deduct	*-75.04*	
		For >50 To 100, Deduct	*-120.06*	
		For >100, Deduct	*-180.08*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	745.60	
		For >10 To 25, Deduct	*-37.28*	
		For >25 To 50, Deduct	*-93.20*	
		For >50 To 100, Deduct	*-149.12*	
		For >100, Deduct	*-223.68*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	884.62	
		For >10 To 25, Deduct	*-44.23*	
		For >25 To 50, Deduct	*-110.58*	
		For >50 To 100, Deduct	*-176.92*	
		For >100, Deduct	*-265.39*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	315.94	
		For >10 To 25, Deduct	*-15.80*	
		For >25 To 50, Deduct	*-39.49*	
		For >50 To 100, Deduct	*-63.19*	
		For >100, Deduct	*-94.78*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	420.82	
		For >10 To 25, Deduct	*-21.04*	
		For >25 To 50, Deduct	*-52.60*	
		For >50 To 100, Deduct	*-84.16*	
		For >100, Deduct	*-126.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	473.90	
		For >10 To 25, Deduct	*-23.70*	
		For >25 To 50, Deduct	*-59.24*	
		For >50 To 100, Deduct	*-94.78*	
		For >100, Deduct	*-142.17*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	552.88	
		For >10 To 25, Deduct	*-27.64*	
		For >25 To 50, Deduct	*-69.11*	
		For >50 To 100, Deduct	*-110.58*	
		For >100, Deduct	*-165.86*	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	739.29	
		For >10 To 25, Deduct	*-36.96*	
		For >25 To 50, Deduct	*-92.41*	
		For >50 To 100, Deduct	*-147.86*	
		For >100, Deduct	*-221.79*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	846.71	
		For >10 To 25, Deduct	*-42.34*	
		For >25 To 50, Deduct	*-105.84*	
		For >50 To 100, Deduct	*-169.34*	
		For >100, Deduct	*-254.01*	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	1,026.79	
		For >10 To 25, Deduct	*-51.34*	
		For >25 To 50, Deduct	*-128.35*	
		For >50 To 100, Deduct	*-205.36*	
		For >100, Deduct	*-308.04*	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	1,232.15	
		For >10 To 25, Deduct	*-61.61*	
		For >25 To 50, Deduct	*-154.02*	
		For >50 To 100, Deduct	*-246.43*	
		For >100, Deduct	*-369.65*	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,421.71	
		For >10 To 25, Deduct	*-71.09*	
		For >25 To 50, Deduct	*-177.71*	
		For >50 To 100, Deduct	*-284.34*	
		For >100, Deduct	*-426.51*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	473.90	
		For >10 To 25, Deduct	*-23.70*	
		For >25 To 50, Deduct	*-59.24*	
		For >50 To 100, Deduct	*-94.78*	
		For >100, Deduct	*-142.17*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	552.88	
		For >10 To 25, Deduct	*-27.64*	
		For >25 To 50, Deduct	*-69.11*	
		For >50 To 100, Deduct	*-110.58*	
		For >100, Deduct	*-165.86*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	742.45	
		For >10 To 25, Deduct	*-37.12*	
		For >25 To 50, Deduct	*-92.81*	
		For >50 To 100, Deduct	*-148.49*	
		For >100, Deduct	*-222.74*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	853.02	
		For >10 To 25, Deduct	*-42.65*	
		For >25 To 50, Deduct	*-106.63*	
		For >50 To 100, Deduct	*-170.60*	
		For >100, Deduct	*-255.91*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	947.81	
		For >10 To 25, Deduct	*-47.39*	
		For >25 To 50, Deduct	*-118.48*	
		For >50 To 100, Deduct	*-189.56*	
		For >100, Deduct	*-284.34*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	1,086.82	
		For >10 To 25, Deduct	*-54.34*	
		For >25 To 50, Deduct	*-135.85*	
		For >50 To 100, Deduct	*-217.36*	
		For >100, Deduct	*-326.05*	

32 93 83 00-0033 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0034	EA	1 Gallon Container Shrub Planting	26.86	
		For >10 To 25, Deduct	*-1.34*	
		For >25 To 50, Deduct	*-3.36*	
		For >50 To 100, Deduct	*-5.37*	
		For >100, Deduct	*-8.06*	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting	37.91	
		For >10 To 25, Deduct	*-1.90*	
		For >25 To 50, Deduct	*-4.74*	
		For >50 To 100, Deduct	*-7.58*	
		For >100, Deduct	*-11.37*	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting	47.39	
		For >10 To 25, Deduct	*-2.37*	
		For >25 To 50, Deduct	*-5.92*	
		For >50 To 100, Deduct	*-9.48*	
		For >100, Deduct	*-14.22*	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting	63.19	
		For >10 To 25, Deduct	*-3.16*	
		For >25 To 50, Deduct	*-7.90*	
		For >50 To 100, Deduct	*-12.64*	
		For >100, Deduct	*-18.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting	78.98	
		For >10 To 25, Deduct	*-3.95*	
		For >25 To 50, Deduct	*-9.87*	
		For >50 To 100, Deduct	*-15.80*	
		For >100, Deduct	*-23.69*	
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting	107.42	
		For >10 To 25, Deduct	*-5.37*	
		For >25 To 50, Deduct	*-13.43*	
		For >50 To 100, Deduct	*-21.48*	
		For >100, Deduct	*-32.23*	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting	142.17	
		For >10 To 25, Deduct	*-7.11*	
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-28.43*	
		For >100, Deduct	*-42.65*	
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting	195.88	
		For >10 To 25, Deduct	*-9.79*	
		For >25 To 50, Deduct	*-24.49*	
		For >50 To 100, Deduct	*-39.18*	
		For >100, Deduct	*-58.76*	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting	328.58	
		For >10 To 25, Deduct	*-16.43*	
		For >25 To 50, Deduct	*-41.07*	
		For >50 To 100, Deduct	*-65.72*	
		For >100, Deduct	*-98.57*	
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting	420.82	
		For >10 To 25, Deduct	*-21.04*	
		For >25 To 50, Deduct	*-52.60*	
		For >50 To 100, Deduct	*-84.16*	
		For >100, Deduct	*-126.25*	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting	88.46	
		For >10 To 25, Deduct	*-4.42*	
		For >25 To 50, Deduct	*-11.06*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-26.54*	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting	91.62	
		For >10 To 25, Deduct	*-4.58*	
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-27.49*	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting	101.10	
		For >10 To 25, Deduct	*-5.06*	
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-20.22*	
		For >100, Deduct	*-30.33*	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting	101.10	
		For >10 To 25, Deduct	*-5.06*	
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-20.22*	
		For >100, Deduct	*-30.33*	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting	110.57	
		For >10 To 25, Deduct	*-5.53*	
		For >25 To 50, Deduct	*-13.82*	
		For >50 To 100, Deduct	*-22.11*	
		For >100, Deduct	*-33.17*	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting	116.90	
		For >10 To 25, Deduct	*-5.85*	
		For >25 To 50, Deduct	*-14.61*	
		For >50 To 100, Deduct	*-23.38*	
		For >100, Deduct	*-35.07*	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting	126.37	
		For >10 To 25, Deduct	*-6.32*	
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-25.27*	
		For >100, Deduct	*-37.91*	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting	189.56	
		For >10 To 25, Deduct	*-9.48*	
		For >25 To 50, Deduct	*-23.70*	
		For >50 To 100, Deduct	*-37.91*	
		For >100, Deduct	*-56.87*	
32 93 83 00-0052	EA	6' Balled And Burlapped Shrub Planting	268.54	
		For >10 To 25, Deduct	*-13.43*	
		For >25 To 50, Deduct	*-33.57*	
		For >50 To 100, Deduct	*-53.71*	
		For >100, Deduct	*-80.56*	
32 93 83 00-0053	EA	7' Balled And Burlapped Shrub Planting	357.00	
		For >10 To 25, Deduct	*-17.85*	
		For >25 To 50, Deduct	*-44.63*	
		For >50 To 100, Deduct	*-71.40*	
		For >100, Deduct	*-107.10*	
32 93 83 00-0054	EA	8' Balled And Burlapped Shrub Planting	404.40	
		For >10 To 25, Deduct	*-20.22*	
		For >25 To 50, Deduct	*-50.55*	
		For >50 To 100, Deduct	*-80.88*	
		For >100, Deduct	*-121.32*	
32 93 83 00-0055	EA	9' Balled And Burlapped Shrub Planting	435.99	
		For >10 To 25, Deduct	*-21.80*	
		For >25 To 50, Deduct	*-54.50*	
		For >50 To 100, Deduct	*-87.20*	
		For >100, Deduct	*-130.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0056	EA	10' Balled And Burlapped Shrub Planting	473.90	
		For >10 To 25, Deduct	*-23.70*	
		For >25 To 50, Deduct	*-59.24*	
		For >50 To 100, Deduct	*-94.78*	
		For >100, Deduct	*-142.17*	

32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	2.63	
		For >10 To 25, Deduct	*-0.13*	
		For >25 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-0.79*	
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	3.01	
		For >10 To 25, Deduct	*-0.15*	
		For >25 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.60*	
		For >100, Deduct	*-0.90*	
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	3.51	
		For >10 To 25, Deduct	*-0.18*	
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.70*	
		For >100, Deduct	*-1.05*	
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	4.22	
		For >10 To 25, Deduct	*-0.21*	
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.27*	
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	5.27	
		For >10 To 25, Deduct	*-0.26*	
		For >25 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-1.58*	
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	7.90	
		For >10 To 25, Deduct	*-0.40*	
		For >25 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-2.37*	
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	25.27	
		For >10 To 25, Deduct	*-1.26*	
		For >25 To 50, Deduct	*-3.16*	
		For >50 To 100, Deduct	*-5.05*	
		For >100, Deduct	*-7.58*	
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	34.75	
		For >10 To 25, Deduct	*-1.74*	
		For >25 To 50, Deduct	*-4.34*	
		For >50 To 100, Deduct	*-6.95*	
		For >100, Deduct	*-10.43*	
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	44.24	
		For >10 To 25, Deduct	*-2.21*	
		For >25 To 50, Deduct	*-5.53*	
		For >50 To 100, Deduct	*-8.85*	
		For >100, Deduct	*-13.27*	
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	56.87	
		For >10 To 25, Deduct	*-2.84*	
		For >25 To 50, Deduct	*-7.11*	
		For >50 To 100, Deduct	*-11.37*	
		For >100, Deduct	*-17.06*	
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	69.51	
		For >10 To 25, Deduct	*-3.48*	
		For >25 To 50, Deduct	*-8.69*	
		For >50 To 100, Deduct	*-13.90*	
		For >100, Deduct	*-20.85*	
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	94.78	
		For >10 To 25, Deduct	*-4.74*	
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-18.96*	
		For >100, Deduct	*-28.43*	
32 93 83 00-0070	EA	Bulb Planting	1.58	
		For >10 To 25, Deduct	*-0.08*	
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.47*	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	44.23	
		For >10 To 25, Deduct	*-2.21*	
		For >25, Deduct	*-5.53*	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	62.74	
		For >10 To 25, Deduct	*-3.14*	
		For >25, Deduct	*-7.84*	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	83.52	
		For >10 To 25, Deduct	*-4.18*	
		For >25, Deduct	*-10.44*	

32 93 83 00-0074 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	155.67	
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	233.46	
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	302.28	
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	453.31	
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	465.24	
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	694.05	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	569.31	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	852.72	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit	680.19	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit	1,019.69	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	977.81	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	1,469.76	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	1,300.64	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,936.57	
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,844.61	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit	2,762.60	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit	3,106.65	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit	4,686.19	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	4,268.18	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	6,399.40	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	12.41	3.83
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	13.39	3.83
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	13.46	3.83
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	15.21	3.96
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	16.42	3.96
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	16.40	3.96
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	13.80	4.08
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	15.15	4.08
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	15.28	4.08
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	17.01	4.21
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	18.36	4.21
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	18.47	4.21
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	15.13	3.96
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	20.45	3.96

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	6" x 8" Railroad Ties	18.05	6.18
32 94 16 00-0002	LF	7" x 9" Railroad Ties	21.82	7.75
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	13.15	4.50
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	17.15	5.62
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	19.99	6.61
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	5.21	2.25
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	7.88	3.38
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	12.49	4.36
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	17.01	5.62
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	20.81	6.61

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,119.94	81.53
		For >3 To 9, Deduct	*-71.77*	
		For >9, Deduct	*-148.32*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,293.91	81.53
		For >3 To 9, Deduct	*-84.81*	
		For >9, Deduct	*-175.28*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,565.72	108.70
		For >3 To 9, Deduct	*-101.12*	
		For >9, Deduct	*-208.99*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,944.38	108.70
		For >3 To 9, Deduct	*-129.52*	
		For >9, Deduct	*-267.68*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,492.53	135.87
		For >3 To 9, Deduct	*-166.56*	
		For >9, Deduct	*-344.22*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,618.51	163.04
		For >3 To 9, Deduct	*-171.93*	
		For >9, Deduct	*-355.33*	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,882.03	163.04
		For >3 To 9, Deduct	*-191.70*	
		For >9, Deduct	*-396.17*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,839.18	230.98
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,992.69	230.98
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,120.62	230.98
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,222.96	230.98
		For >3 To 9, Deduct	*-282.08*	
		For >9, Deduct	*-582.96*	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,299.71	230.98
		For >3 To 9, Deduct	*-287.83*	
		For >9, Deduct	*-594.85*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,718.96	271.75
		For >3 To 9, Deduct	*-313.16*	
		For >9, Deduct	*-647.20*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,032.94	81.53
		For >3 To 9, Deduct	*-65.24*	
		For >9, Deduct	*-134.83*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,250.41	81.53
		For >3 To 9, Deduct	*-81.55*	
		For >9, Deduct	*-168.54*	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,858.02	135.87
		For >3 To 9, Deduct	*-118.97*	
		For >9, Deduct	*-245.87*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,190.63	135.87
		For >3 To 9, Deduct	*-143.92*	
		For >9, Deduct	*-297.43*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,497.65	135.87
		For >3 To 9, Deduct	*-166.94*	
		For >9, Deduct	*-345.01*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,779.08	135.87
		For >3 To 9, Deduct	*-188.05*	
		For >9, Deduct	*-388.64*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,034.93	135.87
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,265.19	135.87
		For >3 To 9, Deduct	*-224.51*	
		For >9, Deduct	*-463.98*	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,143.63	190.22
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,373.89	190.22
		For >3 To 9, Deduct	*-224.51*	
		For >9, Deduct	*-463.98*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,578.57	190.22
		For >3 To 9, Deduct	*-239.86*	
		For >9, Deduct	*-495.71*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,757.67	190.22
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,911.18	190.22
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	4,039.11	190.22
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,839.18	230.98
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,992.69	230.98
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,120.62	230.98
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,222.96	230.98
		For >3 To 9, Deduct	*-282.08*	
		For >9, Deduct	*-582.96*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,299.71	230.98
		For >3 To 9, Deduct	*-287.83*	
		For >9, Deduct	*-594.85*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,350.88	230.98
		For >3 To 9, Deduct	*-291.67*	
		For >9, Deduct	*-602.78*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,376.46	230.98
		For >3 To 9, Deduct	*-293.59*	
		For >9, Deduct	*-606.75*	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,402.05	230.98
		For >3 To 9, Deduct	*-295.51*	
		For >9, Deduct	*-610.71*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,944.38	108.70
		For >3 To 9, Deduct	*-129.52*	
		For >9, Deduct	*-267.68*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,982.75	108.70
		For >3 To 9, Deduct	*-132.40*	
		For >9, Deduct	*-273.63*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,423.45	135.87
		For >3 To 9, Deduct	*-161.38*	
		For >9, Deduct	*-333.51*	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,850.72	135.87
		For >3 To 9, Deduct	*-193.42*	
		For >9, Deduct	*-399.74*	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,034.93	135.87
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,069.44	230.98
		For >3 To 9, Deduct	*-270.56*	
		For >9, Deduct	*-559.16*	

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	32.44
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	59.25
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	101.80

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	133.90
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	180.31
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	229.57
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	298.66

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	9.40
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	15.49
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	30.46
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	46.53

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	14.93
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	13.95

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	9.83

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	14.56
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	20.17
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	23.71
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	43.45
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	59.64

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	107.96
		For >25 To 50, Deduct	*-10.80*
		For >50, Deduct	*-16.19*
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	146.06
		For >25 To 50, Deduct	*-14.61*
		For >50, Deduct	*-21.91*
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	247.66
		For >25 To 50, Deduct	*-24.77*
		For >50, Deduct	*-37.15*
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	381.02
		For >25 To 50, Deduct	*-38.10*
		For >50, Deduct	*-57.15*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 96 43 Tree Transplanting *(32 96)*

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0750 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	395.14
		For >5 To 10, Deduct	*-19.76*
		For >10 To 20, Deduct	*-39.51*
		For >20, Deduct	*-59.27*
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	541.90
		For >5 To 10, Deduct	*-27.10*
		For >10 To 20, Deduct	*-54.19*
		For >20, Deduct	*-81.29*
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	878.08
		For >5 To 10, Deduct	*-43.90*
		For >10 To 20, Deduct	*-87.81*
		For >20, Deduct	*-131.71*
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,458.98
		For >5 To 10, Deduct	*-72.95*
		For >10 To 20, Deduct	*-145.90*
		For >20, Deduct	*-218.85*
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	2,370.83
		For >5 To 10, Deduct	*-118.54*
		For >10 To 20, Deduct	*-237.08*
		For >20, Deduct	*-355.62*
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	3,059.14
		For >5 To 10, Deduct	*-152.96*
		For >10 To 20, Deduct	*-305.91*
		For >20, Deduct	*-458.87*
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,951.39
		For >5 To 10, Deduct	*-197.57*
		For >10 To 20, Deduct	*-395.14*
		For >20, Deduct	*-592.71*
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	4,741.67
		For >5 To 10, Deduct	*-237.08*
		For >10 To 20, Deduct	*-474.17*
		For >20, Deduct	*-711.25*
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	5,388.26
		For >5 To 10, Deduct	*-269.41*
		For >10 To 20, Deduct	*-538.83*
		For >20, Deduct	*-808.24*

END OF SECTION 32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*
Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Set-up And Removal Of Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,397.92	
33 01 10 58-0003	EA	Move And Set-up At Different Access/Location For Water Main Disinfection/Sterilization, Gas Chlorination Method	698.95	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.52	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.05*	
		For >1,000 To 2,000, Deduct	*-0.08*	
		For >2,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.13*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.81	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.12*	
		For >2,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.20*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	1.04	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.26*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	1.24	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.31*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.61	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.40*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.82	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 2,000, Deduct	*-0.27*	
		For >2,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.46*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	2.10	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.32*	
		For >2,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.53*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	2.47	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 2,000, Deduct	*-0.37*	
		For >2,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.62*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	3.17	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.79*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	4.66	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 2,000, Deduct	*-0.70*	
		For >2,000 To 5,000, Deduct	*-0.93*	
		For >5,000, Deduct	*-1.17*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	6.45	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.97*	
		For >2,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.61*	

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*
Note: Includes power washing. Excludes cleaning and video camera inspection of pipe.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0002		Sprayed On Cement Lining System *(33 01 10 71-0001)*		
		Note: 8,000 psi cement lining system. Applied by a robotic spin caster operating at 5,000 rpm. The spin caster is placed in the center of the sewer pipe and retrieved as the cementitious liner is centrifugally cast evenly around the pipe interior.		
33 01 10 71-0003		Mobilization And Set-up For Sprayed On Cement Lining System *(33 01 10 71-0002)*		
33 01 10 71-0004	EA	Mobilization And Set-up For Sprayed On Cement Lining System	8,535.60	
33 01 10 71-0005		Sprayed On Cement Lining System *(33 01 10 71-0002)*		
33 01 10 71-0006	LF	Up To 50', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	896.24	
33 01 10 71-0007	LF	>50' To 100', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	789.54	
33 01 10 71-0008	LF	>100' To 200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	693.52	
33 01 10 71-0009	LF	>200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	597.49	
33 01 10 71-0010	LF	Up To 50', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	951.72	
33 01 10 71-0011	LF	>50' To 100', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	845.02	
33 01 10 71-0012	LF	>100' To 200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	781.01	
33 01 10 71-0013	LF	>200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	640.17	
33 01 10 71-0014	LF	Up To 50', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	966.66	
33 01 10 71-0015	LF	>50' To 100', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	870.63	
33 01 10 71-0016	LF	>100' To 200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	813.02	
33 01 10 71-0017	LF	>200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	736.20	
33 01 10 71-0018	LF	Up To 50', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,589.76	
33 01 10 71-0019	LF	>50' To 100', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,547.08	
33 01 10 71-0020	LF	>100' To 200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,226.99	
33 01 10 71-0021	LF	>200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,162.98	
33 01 10 71-0022	LF	Up To 50', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,451.05	
33 01 10 71-0023	LF	>50' To 100', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,387.04	
33 01 10 71-0024	LF	>100' To 200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,237.66	
33 01 10 71-0025	LF	>200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,130.97	
33 01 10 71-0026	LF	Up To 50', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,736.99	
33 01 10 71-0027	LF	>50' To 100', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,685.78	
33 01 10 71-0028	LF	>100' To 200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,237.66	
33 01 10 71-0029	LF	>200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,152.31	
33 01 10 71-0030	LF	Up To 50', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	2,091.22	
33 01 10 71-0031	LF	>50' To 100', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,963.19	
33 01 10 71-0032	LF	>100' To 200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,451.05	
33 01 10 71-0033	LF	>200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,323.02	
33 01 10 71-0034		Sprayed On Geopolymer Lining System *(33 01 10 71-0001)*		
		Note: Geopolymer lining system. Applied by a robotic spin caster. The spin caster is placed in the center of the sewer pipe and retrieved as the geopolymer liner is centrifugally cast evenly around the pipe interior.		
33 01 10 71-0035		Mobilization And Set-up For Sprayed On Geopolymer Lining System *(33 01 10 71-0034)*		
33 01 10 71-0036	EA	Mobilization And Set-up For Sprayed On Geopolymer Lining System	32,008.50	
33 01 10 71-0037		Sprayed On Geopolymer Lining System *(33 01 10 71-0034)*		
33 01 10 71-0038	LF	36" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	666.84	
33 01 10 71-0039	LF	42" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	760.20	
33 01 10 71-0040	LF	48" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	866.90	
33 01 10 71-0041	LF	54" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,026.94	
33 01 10 71-0042	LF	60" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,400.37	
33 01 10 71-0043	LF	66" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,787.14	
33 01 10 71-0044	LF	72" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,133.90	
33 01 10 71-0045	LF	78" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,333.95	
33 01 10 71-0046	LF	84" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,600.69	
33 01 10 71-0047	LF	90" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,974.12	
33 01 10 71-0048	LF	96" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	3,734.32	
33 01 10 71-0049	LF	102" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	4,481.19	

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Video Camera Inspection For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0003	LF	Video Camera Inspection Of Pipe Interior Or Culvert	6.05	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0003 Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0002)*

Note: Per each joint.

33 01 30 23-0004	EA	4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	154.53	
33 01 30 23-0005	EA	>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	177.31	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0006		EA	>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	211.47	
33 01 30 23-0007			**High-Density Polyethylene (HDPE) Pipe Lining, DR 17** *(33 01 30 23-0002)* Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0003 for pipe joint fusion.		
33 01 30 23-0008		LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.52	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.47*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.27*	
			For White Interior Pipe, Add	*0.85*	
			For Gray Interior Pipe, Add	*0.65*	
33 01 30 23-0009		LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.91	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.71*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.92*	
			For White Interior Pipe, Add	*1.30*	
			For Gray Interior Pipe, Add	*0.98*	
33 01 30 23-0010		LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.64	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.01*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.74*	
			For White Interior Pipe, Add	*1.85*	
			For Gray Interior Pipe, Add	*1.40*	
33 01 30 23-0011		LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.57	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.17*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.17*	
			For White Interior Pipe, Add	*2.14*	
			For Gray Interior Pipe, Add	*1.62*	
33 01 30 23-0012		LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.62	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.71*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*4.64*	
			For White Interior Pipe, Add	*3.13*	
			For Gray Interior Pipe, Add	*2.37*	
33 01 30 23-0013		LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.93	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.65*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*7.20*	
			For White Interior Pipe, Add	*4.86*	
			For Gray Interior Pipe, Add	*3.68*	
33 01 30 23-0014		LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	22.98	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.73*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*10.13*	
			For White Interior Pipe, Add	*6.84*	
			For Gray Interior Pipe, Add	*5.18*	
33 01 30 23-0015		LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	25.13	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.10*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.15*	
			For White Interior Pipe, Add	*7.52*	
			For Gray Interior Pipe, Add	*5.70*	
33 01 30 23-0016		LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	27.38	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.50*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.22*	
			For White Interior Pipe, Add	*8.25*	
			For Gray Interior Pipe, Add	*6.25*	
33 01 30 23-0017		LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	35.17	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.87*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*15.96*	
			For White Interior Pipe, Add	*10.77*	
			For Gray Interior Pipe, Add	*8.16*	
33 01 30 23-0018		LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	44.04	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-7.44*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*20.21*	
			For White Interior Pipe, Add	*13.64*	
			For Gray Interior Pipe, Add	*10.33*	
33 01 30 23-0019		LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	53.90	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-9.18*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*24.94*	
			For White Interior Pipe, Add	*16.83*	
			For Gray Interior Pipe, Add	*12.75*	
33 01 30 23-0020		LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	64.84	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-11.11*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*30.18*	
			For White Interior Pipe, Add	*20.36*	
			For Gray Interior Pipe, Add	*15.43*	
33 01 30 23-0021		LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	76.85	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.22*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*35.92*	
			For White Interior Pipe, Add	*24.24*	
			For Gray Interior Pipe, Add	*18.37*	
33 01 30 23-0022		LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	89.86	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-15.51*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*42.13*	
			For White Interior Pipe, Add	*28.43*	
			For Gray Interior Pipe, Add	*21.54*	
33 01 30 23-0023		LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	104.02	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.99*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*48.88*	
			For White Interior Pipe, Add	*32.98*	
			For Gray Interior Pipe, Add	*24.99*	
33 01 30 23-0024		LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	119.26	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-20.65*	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	*56.11*	
			For White Interior Pipe, Add	*37.86*	
			For Gray Interior Pipe, Add	*28.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0025	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	135.60	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-23.49*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*63.82*	
		For White Interior Pipe, Add	*43.07*	
		For Gray Interior Pipe, Add	*32.63*	
33 01 30 23-0026	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	166.86	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-28.99*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*78.75*	
		For White Interior Pipe, Add	*53.15*	
		For Gray Interior Pipe, Add	*40.26*	
33 01 30 23-0027	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	171.99	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-29.74*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*80.79*	
		For White Interior Pipe, Add	*54.52*	
		For Gray Interior Pipe, Add	*41.30*	

33 01 30 23-0028 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

Note: Excludes earthwork excavation and backfill

33 01 30 23-0029 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0028)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles (24 kilometers).

33 01 30 23-0030	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	1,452.61	
		For No Excavation, Deduct	*-965.20*	
33 01 30 23-0031	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,631.67	
		For No Excavation, Deduct	*-1,085.85*	
33 01 30 23-0032	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,722.33	
		For No Excavation, Deduct	*-1,146.18*	
33 01 30 23-0033	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,812.98	
		For No Excavation, Deduct	*-1,206.51*	
33 01 30 23-0034	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,946.09	
		For No Excavation, Deduct	*-1,266.83*	
33 01 30 23-0035	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,828.62	
		For No Excavation, Deduct	*-1,206.51*	
33 01 30 23-0036	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,921.50	
		For No Excavation, Deduct	*-1,266.83*	
33 01 30 23-0037	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	2,045.67	
		For No Excavation, Deduct	*-1,327.15*	
33 01 30 23-0038	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,321.83	
		For No Excavation, Deduct	*-1,387.48*	
33 01 30 23-0039	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,439.30	
		For No Excavation, Deduct	*-1,447.80*	
33 01 30 23-0040	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,851.78	
		For No Excavation, Deduct	*-1,508.12*	

33 01 30 23-0041 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0028)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0034 for hauling.

33 01 30 23-0042	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,077.94	
		For No Excavation, Deduct	*-1,077.23*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-292.37*	
33 01 30 23-0043	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,374.90	
		For No Excavation, Deduct	*-1,120.32*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-277.99*	
33 01 30 23-0044	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,570.19	
		For No Excavation, Deduct	*-1,163.41*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-128.86*	
33 01 30 23-0045	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,828.72	
		For No Excavation, Deduct	*-1,292.68*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-180.56*	
33 01 30 23-0046	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,239.33	
		For No Excavation, Deduct	*-1,378.86*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*270.70*	
33 01 30 23-0047	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,940.46	
		For No Excavation, Deduct	*-1,529.67*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*270.30*	
33 01 30 23-0048	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,901.34	
		For No Excavation, Deduct	*-1,680.49*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*608.86*	
33 01 30 23-0049	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,432.21	
		For No Excavation, Deduct	*-1,895.93*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*387.68*	
33 01 30 23-0050	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	13,866.77	
		For No Excavation, Deduct	*-2,240.65*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*511.56*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Excludes debris disposal.

33 01 30 41-0003 Hydro Jet Cleaning Of Pipes *(33 01 30 41-0002)*

Note: Excludes removal of material.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0004	LF	10" To 12" Diameter Pipe Line Cleaning, Hydro Jetting Method	2.15	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 2,000, Deduct	*-0.32*	
		For >2,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.54*	
33 01 30 41-0005	LF	>12" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method	4.38	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.66*	
		For >2,000 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.10*	
33 01 30 41-0006	LF	>24" To 48" Diameter Pipe Line Cleaning, Hydro Jetting Method	8.69	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.30*	
		For >2,000 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-2.17*	
33 01 30 41-0007	LF	>48" To 72" Diameter Pipe Line Cleaning, Hydro Jetting Method	12.14	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.82*	
		For >2,000 To 5,000, Deduct	*-2.43*	
		For >5,000, Deduct	*-3.04*	
33 01 30 41-0008	LF	>72" To 96" Diameter Pipe Line Cleaning, Hydro Jetting Method	15.68	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000 To 2,000, Deduct	*-2.35*	
		For >2,000 To 5,000, Deduct	*-3.14*	
		For >5,000, Deduct	*-3.92*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0003	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	348.78
33 01 30 42-0004	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	324.58
33 01 30 42-0005	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	300.39
33 01 30 42-0006	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	276.19
33 01 30 42-0007	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	252.00
33 01 30 42-0008	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	227.80

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	880.41
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	968.45
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	1,056.48

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	141.39	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	197.84	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	227.37	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	258.34	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	152.25	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	210.06	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	239.79	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	276.15	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	162.97	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	218.18	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	251.24	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	291.41	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	183.19	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	240.72	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	291.62	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	351.20	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	455.74	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	565.50	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	688.81	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	215.13	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	284.13	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	336.93	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	395.62	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	540.96	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	657.22	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	784.86	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	286.46	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	370.60	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	447.01	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	534.13	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	701.76	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	839.35	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	995.65	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	332.26	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	443.07	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	522.81	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	640.08	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	833.24	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	953.08	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,218.20	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	379.08	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	492.64	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	594.32	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	729.30	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	931.93	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,098.03	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,387.93	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	807.51	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,138.31	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,529.35	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,235.98	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	847.68	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,191.76	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,597.58	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,344.39	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	870.73	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,221.97	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,641.46	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,406.89	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	895.18	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,256.51	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,685.31	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,470.18	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	917.50	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,286.67	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,729.15	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,528.46	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	938.37	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,316.88	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,768.01	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,567.61	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	961.87	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,352.11	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,808.95	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,646.34	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Compression Couplings And Fittings For Copper Pipe *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	86.10
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	100.58
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	118.12
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	133.15
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	200.44

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	101.19
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	120.28
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	234.75
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	100.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	89.27	
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	104.45	
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	127.70	
33 01 30 51-0095		**Copper Compression Repair Fitting, Tees** *(33 01 30 51-0080)*		
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	181.87	
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	148.18	
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	175.60	
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	148.85	
33 01 30 51-0100		**Copper Compression Repair Fitting, Male Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	86.81	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	71.99	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	83.43	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	103.40	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	120.37	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	132.55	
33 01 30 51-0107		**Copper Compression Repair Fitting, Female Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	100.65	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	108.84	
33 01 30 51-0110		**Compression Couplings And Fittings For Steel Pipe, Cast Body** *(33 01 30 51-0079)*		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		**Compression Couplings For Steel Pipe, Cast Body** *(33 01 30 51-0110)*		
		Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring	84.46	
33 01 30 51-0113	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring	85.76	
33 01 30 51-0114	EA	1" Cast Body, Compression Coupling, 5" Middle Ring	96.64	
33 01 30 51-0115	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring	107.62	
33 01 30 51-0116	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring	133.04	
33 01 30 51-0117	EA	2" Cast Body, Compression Coupling, 5" Middle Ring	161.81	
33 01 30 51-0118	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	86.77	
33 01 30 51-0119	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	88.32	
33 01 30 51-0120	EA	1" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	97.02	
33 01 30 51-0121	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	108.81	
33 01 30 51-0122	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	136.93	
33 01 30 51-0123	EA	2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	163.53	
33 01 30 51-0124	EA	3/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	165.31	
33 01 30 51-0125	EA	1" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	193.39	
33 01 30 51-0126	EA	1-1/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	201.35	
33 01 30 51-0127	EA	1-1/2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	226.57	
33 01 30 51-0128	EA	2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	275.67	
33 01 30 51-0129		**Compression Reducing Couplings For Steel Pipe** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Compression Reducing Coupling	93.50	
33 01 30 51-0131	EA	1" x 3/4" Compression Reducing Coupling	99.16	
33 01 30 51-0132	EA	1-1/4" x 3/4" Compression Reducing Coupling	111.85	
33 01 30 51-0133	EA	1-1/4" x 1" Compression Reducing Coupling	116.12	
33 01 30 51-0134	EA	1-1/2" x 3/4" Compression Reducing Coupling	222.29	
33 01 30 51-0135	EA	1-1/2" x 1" Compression Reducing Coupling	139.67	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Compression Reducing Coupling	140.27	
33 01 30 51-0137	EA	2" x 3/4" Compression Reducing Coupling	265.50	
33 01 30 51-0138	EA	2" x 1" Compression Reducing Coupling	241.76	
33 01 30 51-0139	EA	2" x 1-1/4" Compression Reducing Coupling	185.29	
33 01 30 51-0140	EA	2" x 1-1/2" Compression Reducing Coupling	184.66	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" Compression 45 Degree Elbow	153.64	
33 01 30 51-0143	EA	1-1/4" Compression 45 Degree Elbow	160.26	
33 01 30 51-0144	EA	1-1/2" Compression 45 Degree Elbow	206.94	
33 01 30 51-0145	EA	2" Compression 45 Degree Elbow	261.06	
33 01 30 51-0146	EA	3/4" Compression 90 Degree Elbow	103.35	
33 01 30 51-0147	EA	1" Compression 90 Degree Elbow	107.40	
33 01 30 51-0148	EA	1-1/4" Compression 90 Degree Elbow	125.73	
33 01 30 51-0149	EA	1-1/2" Compression 90 Degree Elbow	178.94	
33 01 30 51-0150	EA	2" Compression 90 Degree Elbow	196.31	
33 01 30 51-0151	EA	3/4" Plain End Compression 90 Degree Street Elbow	103.67	
33 01 30 51-0152	EA	1" Plain End Compression 90 Degree Street Elbow	92.01	
33 01 30 51-0153	EA	1-1/4" Plain End Compression 90 Degree Street Elbow	103.95	
33 01 30 51-0154	EA	1-1/2" Plain End Compression 90 Degree Street Elbow	131.45	
33 01 30 51-0155	EA	2" Plain End Compression 90 Degree Street Elbow	169.45	
33 01 30 51-0156	EA	3/4" Threaded End Compression 90 Degree Street Elbow	107.02	
33 01 30 51-0157	EA	1" Threaded End Compression 90 Degree Street Elbow	98.27	
33 01 30 51-0158	EA	1-1/4" Threaded End Compression 90 Degree Street Elbow	127.22	
33 01 30 51-0159	EA	1-1/2" Threaded End Compression 90 Degree Street Elbow	153.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0160	EA	2" Threaded End Compression 90 Degree Street Elbow	216.94	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Compression Street Tee	114.65	
33 01 30 51-0163	EA	1" Compression Street Tee	134.90	
33 01 30 51-0164	EA	1-1/4" Compression Street Tee	136.89	
33 01 30 51-0165	EA	1-1/2" Compression Street Tee	158.51	
33 01 30 51-0166	EA	2" Compression Street Tee	237.94	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Compression Reducing Street Tee	135.68	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Compression Reducing Street Tee	141.75	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Compression Reducing Street Tee	177.51	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Compression Reducing Street Tee	204.91	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Compression Reducing Street Tee	206.12	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Compression Reducing Street Tee	174.93	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Compression Reducing Street Tee	232.01	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Compression Reducing Street Tee	262.46	
33 01 30 51-0175	EA	3/4" Welding Compression Street Tee	205.98	
33 01 30 51-0176	EA	1" Welding Compression Street Tee	207.19	
33 01 30 51-0177	EA	1-1/4" Welding Compression Street Tee	222.56	
33 01 30 51-0178	EA	1-1/2" Welding Compression Street Tee	268.10	
33 01 30 51-0179	EA	2" Welding Compression Street Tee	360.17	
33 01 30 51-0180	EA	3/4" Regular Compression Tee	152.85	
33 01 30 51-0181	EA	1" Regular Compression Tee	265.15	
33 01 30 51-0182	EA	1-1/4" Regular Compression Tee	280.40	
33 01 30 51-0183	EA	1-1/2" Regular Compression Tee	302.02	
33 01 30 51-0184	EA	2" Regular Compression Tee	335.51	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Compression Reducing Tee	330.64	
33 01 30 51-0186		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Compression Male Adapter	103.07	
33 01 30 51-0188	EA	1" Compression Male Adapter	114.99	
33 01 30 51-0189	EA	1-1/4" Compression Male Adapter	149.46	
33 01 30 51-0190	EA	1-1/2" Compression Male Adapter	169.20	
33 01 30 51-0191	EA	2" Compression Male Adapter	191.21	
33 01 30 51-0192	EA	1" x 1-1/4" Compression Male Adapter	148.68	
33 01 30 51-0193		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Compression Line Caps	55.28	
33 01 30 51-0195	EA	1" Compression Line Caps	64.35	
33 01 30 51-0196	EA	1-1/4" Compression Line Caps	73.58	
33 01 30 51-0197	EA	1-1/2" Compression Line Caps	86.71	
33 01 30 51-0198	EA	2" Compression Line Caps	107.02	
33 01 30 51-0199		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	83.65	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	103.89	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	119.94	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	143.83	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	177.79	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	231.30	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	217.98	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	286.68	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	294.74	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	302.80	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	333.96	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	347.64	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	364.78	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	430.30	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	435.70	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	455.36	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	461.13	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	475.74	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	494.39	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	538.17	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	559.76	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	577.49	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	658.86	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	760.81	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	748.73	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	964.84	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	1,112.97	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,324.90	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,456.81	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,572.60	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,958.35	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	2,062.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0232		**Couplings For Steel Pipe** *(33 01 30 51-0079)* Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	85.96	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	103.57	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	119.80	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	142.76	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	208.53	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	204.30	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	206.42	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	302.80	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	310.86	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	318.92	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	355.92	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	341.71	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	349.19	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	458.59	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	462.53	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	645.35	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	469.77	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	490.75	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	498.85	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	585.05	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	593.01	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	605.84	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	678.21	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	780.96	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	768.88	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	984.55	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,133.12	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,355.12	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,497.11	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,612.89	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,998.65	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	2,102.34	
33 01 30 51-0265		**Couplings For Steel Pipe** *(33 01 30 51-0079)* Note: Includes Buna N gasket, protected. Dresser style 38.		
33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	100.29	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	118.15	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	136.91	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	164.98	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	208.53	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	244.52	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	256.49	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	302.80	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	310.86	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	318.92	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	355.92	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	384.65	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	395.57	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	458.59	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	462.53	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	508.67	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	469.77	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	490.75	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	498.85	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	585.05	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	593.01	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	605.84	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	678.21	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	780.96	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	768.88	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	984.55	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,133.12	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,324.90	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,497.11	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,612.89	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,998.65	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	2,102.34	
33 01 30 51-0298		**Couplings For Steel Pipe** *(33 01 30 51-0079)* Note: Includes high temperature carded glass gasket, protected. Dresser style 38.		
33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	168.71	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	183.13	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	193.17	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	293.76	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	315.80	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	327.03	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	380.47	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	377.93	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	424.95	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	435.87	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	587.65	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	602.14	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	627.47	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	637.08	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	654.18	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	798.38	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	857.19	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	878.86	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	878.66	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,112.08	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,156.37	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,335.49	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,667.06	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,634.12	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,820.42	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,972.46	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	2,142.64	
33 01 30 51-0326		Grind Offset Joint *(33 01 30 51-0001)*		
33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	528.24	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	704.32	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	880.41	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	1,056.48	
33 01 30 51-0331		Pipe Plugging *(33 01 30 51-0001)*		
33 01 30 51-0332		Gravity Bladder Type, Temporary Pipe Plugging *(33 01 30 51-0331)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	103.08	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	110.19	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	118.28	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	126.01	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	133.51	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	141.61	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	151.23	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	166.12	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	180.20	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	201.29	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	223.27	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	258.94	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	297.91	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	355.50	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	428.70	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	516.59	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	612.14	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	705.15	
33 01 30 51-0351		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0352	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	422.40	
33 01 30 51-0353	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	477.36	
33 01 30 63		**Sewer and Pipe Joint Sealing** ***(33 01 30)***		
33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		
33 01 30 63-0002	EA	4" To 8", Joint Air Test	123.66	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	144.26	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	164.87	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	206.09	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	247.30	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	288.52	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)*		
		Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest	366.93	
		Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest	408.16	
		Note: Includes 1 gallon of grout.		
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest	486.56	
		Note: Includes 2 gallons of grout.		
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest	546.38	
		Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest	606.19	
		Note: Includes 3 gallons of grout.		
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest	716.52	
		Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest	826.85	
		Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest	937.18	
		Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest	1,088.74	
		Note: Includes 6 gallons of grout.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	1,240.29	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	1,433.05	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,653.72	
33 01 30 63-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	202.07	

33 01 30 71 Relining Sewers *(33 01 30)*

33 01 30 71-0001 Relining Underground Pipelines *(33 01 30 71)*

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 71-0002 Polyvinyl Chloride (PVC) Liner Pipe *(33 01 30 71-0001)*

Note: Sanitary and storm sewer trenchless slip-lining.

33 01 30 71-0003	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	35.04
33 01 30 71-0004	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	52.07
33 01 30 71-0005	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	70.05
33 01 30 71-0006	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	86.78
33 01 30 71-0007	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	113.04
33 01 30 71-0008	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	135.39
33 01 30 71-0009	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	154.86
33 01 30 71-0010	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	219.60

33 01 30 71-0011 Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71)*

Note: Two part structural polyurethane.

33 01 30 71-0012 Mobilization And Set-up For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0011)*

33 01 30 71-0013	EA	Initial Set-up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	2,608.76

33 01 30 71-0014 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0015	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	68.62
		For Up To 75, Add	*15.13*
		For >75 To 150, Add	*6.86*
		For >500 To 1,000, Deduct	*-1.94*
		For >1,000 To 2,000, Deduct	*-3.73*
		For >2,000 To 5,000, Deduct	*-5.81*
		For >5,000, Deduct	*-8.27*
33 01 30 71-0016	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	80.06
		For Up To 75, Add	*17.65*
		For >75 To 150, Add	*8.01*
		For >500 To 1,000, Deduct	*-2.26*
		For >1,000 To 2,000, Deduct	*-4.35*
		For >2,000 To 5,000, Deduct	*-6.77*
		For >5,000, Deduct	*-9.65*
33 01 30 71-0017	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	91.51
		For Up To 75, Add	*20.18*
		For >75 To 150, Add	*9.15*
		For >500 To 1,000, Deduct	*-2.58*
		For >1,000 To 2,000, Deduct	*-4.97*
		For >2,000 To 5,000, Deduct	*-7.74*
		For >5,000, Deduct	*-11.03*
33 01 30 71-0018	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	102.94
		For Up To 75, Add	*22.70*
		For >75 To 150, Add	*10.29*
		For >500 To 1,000, Deduct	*-2.90*
		For >1,000 To 2,000, Deduct	*-5.59*
		For >2,000 To 5,000, Deduct	*-8.71*
		For >5,000, Deduct	*-12.40*
33 01 30 71-0019	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	114.39
		For Up To 75, Add	*25.22*
		For >75 To 150, Add	*11.44*
		For >500 To 1,000, Deduct	*-3.23*
		For >1,000 To 2,000, Deduct	*-6.22*
		For >2,000 To 5,000, Deduct	*-9.68*
		For >5,000, Deduct	*-13.78*
33 01 30 71-0020	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	125.82
		For Up To 75, Add	*27.74*
		For >75 To 150, Add	*12.58*
		For >500 To 1,000, Deduct	*-3.55*
		For >1,000 To 2,000, Deduct	*-6.84*
		For >2,000 To 5,000, Deduct	*-10.64*
		For >5,000, Deduct	*-15.16*
33 01 30 71-0021	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	137.25
		For Up To 75, Add	*30.26*
		For >75 To 150, Add	*13.73*
		For >500 To 1,000, Deduct	*-3.87*
		For >1,000 To 2,000, Deduct	*-7.46*
		For >2,000 To 5,000, Deduct	*-11.61*
		For >5,000, Deduct	*-16.54*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0022	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		148.68	
		For Up To 75, Add		*32.78*	
		For >75 To 150, Add		*14.87*	
		For >500 To 1,000, Deduct		*-4.19*	
		For >1,000 To 2,000, Deduct		*-8.08*	
		For >2,000 To 5,000, Deduct		*-12.58*	
		For >5,000, Deduct		*-17.92*	
33 01 30 71-0023	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		160.14	
		For Up To 75, Add		*35.31*	
		For >75 To 150, Add		*16.01*	
		For >500 To 1,000, Deduct		*-4.52*	
		For >1,000 To 2,000, Deduct		*-8.70*	
		For >2,000 To 5,000, Deduct		*-13.55*	
		For >5,000, Deduct		*-19.30*	
33 01 30 71-0024	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		171.57	
		For Up To 75, Add		*37.83*	
		For >75 To 150, Add		*17.16*	
		For >500 To 1,000, Deduct		*-4.84*	
		For >1,000 To 2,000, Deduct		*-9.33*	
		For >2,000 To 5,000, Deduct		*-14.52*	
		For >5,000, Deduct		*-20.67*	
33 01 30 71-0025	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		183.00	
		For Up To 75, Add		*40.35*	
		For >75 To 150, Add		*18.30*	
		For >500 To 1,000, Deduct		*-5.16*	
		For >1,000 To 2,000, Deduct		*-9.95*	
		For >2,000 To 5,000, Deduct		*-15.48*	
		For >5,000, Deduct		*-22.05*	
33 01 30 71-0026	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		194.44	
		For Up To 75, Add		*42.87*	
		For >75 To 150, Add		*19.44*	
		For >500 To 1,000, Deduct		*-5.48*	
		For >1,000 To 2,000, Deduct		*-10.57*	
		For >2,000 To 5,000, Deduct		*-16.45*	
		For >5,000, Deduct		*-23.43*	
33 01 30 71-0027	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		205.87	
		For Up To 75, Add		*45.39*	
		For >75 To 150, Add		*20.59*	
		For >500 To 1,000, Deduct		*-5.81*	
		For >1,000 To 2,000, Deduct		*-11.19*	
		For >2,000 To 5,000, Deduct		*-17.42*	
		For >5,000, Deduct		*-24.81*	
33 01 30 71-0028	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		217.33	
		For Up To 75, Add		*47.92*	
		For >75 To 150, Add		*21.73*	
		For >500 To 1,000, Deduct		*-6.13*	
		For >1,000 To 2,000, Deduct		*-11.81*	
		For >2,000 To 5,000, Deduct		*-18.39*	
		For >5,000, Deduct		*-26.19*	
33 01 30 71-0029	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane		228.76	
		For Up To 75, Add		*50.44*	
		For >75 To 150, Add		*22.88*	
		For >500 To 1,000, Deduct		*-6.45*	
		For >1,000 To 2,000, Deduct		*-12.43*	
		For >2,000 To 5,000, Deduct		*-19.35*	
		For >5,000, Deduct		*-27.57*	
33 01 30 71-0030	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane		7.29	

33 01 30 71-0031 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0032	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane		90.40	
		For Up To 75, Add		*19.56*	
		For >75 To 150, Add		*9.04*	
		For >500 To 1,000, Deduct		*-2.40*	
		For >1,000 To 2,000, Deduct		*-4.65*	
		For >2,000 To 5,000, Deduct		*-7.20*	
		For >5,000, Deduct		*-10.52*	
33 01 30 71-0033	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane		105.46	
		For Up To 75, Add		*22.82*	
		For >75 To 150, Add		*10.55*	
		For >500 To 1,000, Deduct		*-2.80*	
		For >1,000 To 2,000, Deduct		*-5.43*	
		For >2,000 To 5,000, Deduct		*-8.40*	
		For >5,000, Deduct		*-12.27*	
33 01 30 71-0034	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane		120.52	
		For Up To 75, Add		*26.08*	
		For >75 To 150, Add		*12.05*	
		For >500 To 1,000, Deduct		*-3.20*	
		For >1,000 To 2,000, Deduct		*-6.20*	
		For >2,000 To 5,000, Deduct		*-9.60*	
		For >5,000, Deduct		*-14.03*	
33 01 30 71-0035	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane		135.58	
		For Up To 75, Add		*29.34*	
		For >75 To 150, Add		*13.56*	
		For >500 To 1,000, Deduct		*-3.60*	
		For >1,000 To 2,000, Deduct		*-6.98*	
		For >2,000 To 5,000, Deduct		*-10.80*	
		For >5,000, Deduct		*-15.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0036	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	150.65	
		For Up To 75, Add	*32.60*	
		For >75 To 150, Add	*15.07*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000 To 2,000, Deduct	*-7.75*	
		For >2,000 To 5,000, Deduct	*-12.00*	
		For >5,000, Deduct	*-17.53*	
33 01 30 71-0037	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	165.71	
		For Up To 75, Add	*35.86*	
		For >75 To 150, Add	*16.57*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000 To 2,000, Deduct	*-8.53*	
		For >2,000 To 5,000, Deduct	*-13.20*	
		For >5,000, Deduct	*-19.29*	
33 01 30 71-0038	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	180.78	
		For Up To 75, Add	*39.12*	
		For >75 To 150, Add	*18.08*	
		For >500 To 1,000, Deduct	*-4.80*	
		For >1,000 To 2,000, Deduct	*-9.30*	
		For >2,000 To 5,000, Deduct	*-14.40*	
		For >5,000, Deduct	*-21.04*	
33 01 30 71-0039	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	195.83	
		For Up To 75, Add	*42.37*	
		For >75 To 150, Add	*19.58*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000 To 2,000, Deduct	*-10.08*	
		For >2,000 To 5,000, Deduct	*-15.60*	
		For >5,000, Deduct	*-22.79*	
33 01 30 71-0040	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	210.91	
		For Up To 75, Add	*45.64*	
		For >75 To 150, Add	*21.09*	
		For >500 To 1,000, Deduct	*-5.60*	
		For >1,000 To 2,000, Deduct	*-10.86*	
		For >2,000 To 5,000, Deduct	*-16.80*	
		For >5,000, Deduct	*-24.55*	
33 01 30 71-0041	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	225.97	
		For Up To 75, Add	*48.90*	
		For >75 To 150, Add	*22.60*	
		For >500 To 1,000, Deduct	*-6.00*	
		For >1,000 To 2,000, Deduct	*-11.63*	
		For >2,000 To 5,000, Deduct	*-18.00*	
		For >5,000, Deduct	*-26.30*	
33 01 30 71-0042	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	241.05	
		For Up To 75, Add	*52.16*	
		For >75 To 150, Add	*24.11*	
		For >500 To 1,000, Deduct	*-6.40*	
		For >1,000 To 2,000, Deduct	*-12.41*	
		For >2,000 To 5,000, Deduct	*-19.20*	
		For >5,000, Deduct	*-28.06*	
33 01 30 71-0043	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	256.11	
		For Up To 75, Add	*55.42*	
		For >75 To 150, Add	*25.61*	
		For >500 To 1,000, Deduct	*-6.80*	
		For >1,000 To 2,000, Deduct	*-13.18*	
		For >2,000 To 5,000, Deduct	*-20.40*	
		For >5,000, Deduct	*-29.81*	
33 01 30 71-0044	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	271.17	
		For Up To 75, Add	*58.68*	
		For >75 To 150, Add	*27.12*	
		For >500 To 1,000, Deduct	*-7.20*	
		For >1,000 To 2,000, Deduct	*-13.96*	
		For >2,000 To 5,000, Deduct	*-21.60*	
		For >5,000, Deduct	*-31.56*	
33 01 30 71-0045	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	286.23	
		For Up To 75, Add	*61.94*	
		For >75 To 150, Add	*28.62*	
		For >500 To 1,000, Deduct	*-7.60*	
		For >1,000 To 2,000, Deduct	*-14.73*	
		For >2,000 To 5,000, Deduct	*-22.80*	
		For >5,000, Deduct	*-33.31*	
33 01 30 71-0046	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	301.30	
		For Up To 75, Add	*65.20*	
		For >75 To 150, Add	*30.13*	
		For >500 To 1,000, Deduct	*-8.00*	
		For >1,000 To 2,000, Deduct	*-15.51*	
		For >2,000 To 5,000, Deduct	*-24.00*	
		For >5,000, Deduct	*-35.07*	
33 01 30 71-0047	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	9.60	

33 01 30 71-0048 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0049	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	112.14	
		For Up To 75, Add	*23.99*	
		For >75 To 150, Add	*11.21*	
		For >500 To 1,000, Deduct	*-2.87*	
		For >1,000 To 2,000, Deduct	*-5.58*	
		For >2,000 To 5,000, Deduct	*-8.60*	
		For >5,000, Deduct	*-12.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0050	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	130.85	
		For Up To 75, Add	*27.99*	
		For >75 To 150, Add	*13.09*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000 To 2,000, Deduct	*-6.51*	
		For >2,000 To 5,000, Deduct	*-10.03*	
		For >5,000, Deduct	*-14.90*	
33 01 30 71-0051	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	149.53	
		For Up To 75, Add	*31.98*	
		For >75 To 150, Add	*14.95*	
		For >500 To 1,000, Deduct	*-3.82*	
		For >1,000 To 2,000, Deduct	*-7.44*	
		For >2,000 To 5,000, Deduct	*-11.47*	
		For >5,000, Deduct	*-17.03*	
33 01 30 71-0052	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	168.23	
		For Up To 75, Add	*35.98*	
		For >75 To 150, Add	*16.82*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000 To 2,000, Deduct	*-8.37*	
		For >2,000 To 5,000, Deduct	*-12.90*	
		For >5,000, Deduct	*-19.16*	
33 01 30 71-0053	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	186.92	
		For Up To 75, Add	*39.98*	
		For >75 To 150, Add	*18.69*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000 To 2,000, Deduct	*-9.30*	
		For >2,000 To 5,000, Deduct	*-14.33*	
		For >5,000, Deduct	*-21.29*	
33 01 30 71-0054	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	205.61	
		For Up To 75, Add	*43.98*	
		For >75 To 150, Add	*20.56*	
		For >500 To 1,000, Deduct	*-5.26*	
		For >1,000 To 2,000, Deduct	*-10.23*	
		For >2,000 To 5,000, Deduct	*-15.77*	
		For >5,000, Deduct	*-23.42*	
33 01 30 71-0055	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	224.32	
		For Up To 75, Add	*47.98*	
		For >75 To 150, Add	*22.43*	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000 To 2,000, Deduct	*-11.16*	
		For >2,000 To 5,000, Deduct	*-17.20*	
		For >5,000, Deduct	*-25.55*	
33 01 30 71-0056	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	243.00	
		For Up To 75, Add	*51.98*	
		For >75 To 150, Add	*24.30*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000 To 2,000, Deduct	*-12.08*	
		For >2,000 To 5,000, Deduct	*-18.63*	
		For >5,000, Deduct	*-27.68*	
33 01 30 71-0057	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	261.70	
		For Up To 75, Add	*55.98*	
		For >75 To 150, Add	*26.17*	
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000 To 2,000, Deduct	*-13.01*	
		For >2,000 To 5,000, Deduct	*-20.07*	
		For >5,000, Deduct	*-29.81*	
33 01 30 71-0058	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	280.38	
		For Up To 75, Add	*59.97*	
		For >75 To 150, Add	*28.04*	
		For >500 To 1,000, Deduct	*-7.17*	
		For >1,000 To 2,000, Deduct	*-13.94*	
		For >2,000 To 5,000, Deduct	*-21.50*	
		For >5,000, Deduct	*-31.94*	
33 01 30 71-0059	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	299.09	
		For Up To 75, Add	*63.98*	
		For >75 To 150, Add	*29.91*	
		For >500 To 1,000, Deduct	*-7.65*	
		For >1,000 To 2,000, Deduct	*-14.87*	
		For >2,000 To 5,000, Deduct	*-22.94*	
		For >5,000, Deduct	*-34.07*	
33 01 30 71-0060	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	317.77	
		For Up To 75, Add	*67.97*	
		For >75 To 150, Add	*31.78*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000 To 2,000, Deduct	*-15.80*	
		For >2,000 To 5,000, Deduct	*-24.37*	
		For >5,000, Deduct	*-36.19*	
33 01 30 71-0061	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	336.46	
		For Up To 75, Add	*71.97*	
		For >75 To 150, Add	*33.65*	
		For >500 To 1,000, Deduct	*-8.60*	
		For >1,000 To 2,000, Deduct	*-16.73*	
		For >2,000 To 5,000, Deduct	*-25.80*	
		For >5,000, Deduct	*-38.32*	
33 01 30 71-0062	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	355.16	
		For Up To 75, Add	*75.97*	
		For >75 To 150, Add	*35.52*	
		For >500 To 1,000, Deduct	*-9.08*	
		For >1,000 To 2,000, Deduct	*-17.66*	
		For >2,000 To 5,000, Deduct	*-27.23*	
		For >5,000, Deduct	*-40.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0063	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	373.84	
		For Up To 75, Add	*79.96*	
		For >75 To 150, Add	*37.38*	
		For >500 To 1,000, Deduct	*-9.56*	
		For >1,000 To 2,000, Deduct	*-18.59*	
		For >2,000 To 5,000, Deduct	*-28.67*	
		For >5,000, Deduct	*-42.58*	
33 01 30 71-0064	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.90	

33 01 30 71-0065 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0066	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	134.04	
		For Up To 75, Add	*28.45*	
		For >75 To 150, Add	*13.40*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000 To 2,000, Deduct	*-6.51*	
		For >2,000 To 5,000, Deduct	*-10.01*	
		For >5,000, Deduct	*-15.05*	
33 01 30 71-0067	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	156.38	
		For Up To 75, Add	*33.19*	
		For >75 To 150, Add	*15.64*	
		For >500 To 1,000, Deduct	*-3.89*	
		For >1,000 To 2,000, Deduct	*-7.60*	
		For >2,000 To 5,000, Deduct	*-11.68*	
		For >5,000, Deduct	*-17.55*	
33 01 30 71-0068	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	178.72	
		For Up To 75, Add	*37.93*	
		For >75 To 150, Add	*17.87*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000 To 2,000, Deduct	*-8.68*	
		For >2,000 To 5,000, Deduct	*-13.35*	
		For >5,000, Deduct	*-20.06*	
33 01 30 71-0069	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	201.05	
		For Up To 75, Add	*42.67*	
		For >75 To 150, Add	*20.11*	
		For >500 To 1,000, Deduct	*-5.01*	
		For >1,000 To 2,000, Deduct	*-9.76*	
		For >2,000 To 5,000, Deduct	*-15.02*	
		For >5,000, Deduct	*-22.57*	
33 01 30 71-0070	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	223.40	
		For Up To 75, Add	*47.42*	
		For >75 To 150, Add	*22.34*	
		For >500 To 1,000, Deduct	*-5.56*	
		For >1,000 To 2,000, Deduct	*-10.85*	
		For >2,000 To 5,000, Deduct	*-16.69*	
		For >5,000, Deduct	*-25.08*	
33 01 30 71-0071	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	245.74	
		For Up To 75, Add	*52.16*	
		For >75 To 150, Add	*24.57*	
		For >500 To 1,000, Deduct	*-6.12*	
		For >1,000 To 2,000, Deduct	*-11.94*	
		For >2,000 To 5,000, Deduct	*-18.36*	
		For >5,000, Deduct	*-27.58*	
33 01 30 71-0072	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	268.08	
		For Up To 75, Add	*56.90*	
		For >75 To 150, Add	*26.81*	
		For >500 To 1,000, Deduct	*-6.67*	
		For >1,000 To 2,000, Deduct	*-13.02*	
		For >2,000 To 5,000, Deduct	*-20.02*	
		For >5,000, Deduct	*-30.09*	
33 01 30 71-0073	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	290.42	
		For Up To 75, Add	*61.64*	
		For >75 To 150, Add	*29.04*	
		For >500 To 1,000, Deduct	*-7.23*	
		For >1,000 To 2,000, Deduct	*-14.11*	
		For >2,000 To 5,000, Deduct	*-21.69*	
		For >5,000, Deduct	*-32.60*	
33 01 30 71-0074	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	312.75	
		For Up To 75, Add	*66.38*	
		For >75 To 150, Add	*31.28*	
		For >500 To 1,000, Deduct	*-7.79*	
		For >1,000 To 2,000, Deduct	*-15.19*	
		For >2,000 To 5,000, Deduct	*-23.36*	
		For >5,000, Deduct	*-35.10*	
33 01 30 71-0075	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	335.10	
		For Up To 75, Add	*71.12*	
		For >75 To 150, Add	*33.51*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000 To 2,000, Deduct	*-16.28*	
		For >2,000 To 5,000, Deduct	*-25.03*	
		For >5,000, Deduct	*-37.61*	
33 01 30 71-0076	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	357.44	
		For Up To 75, Add	*75.86*	
		For >75 To 150, Add	*35.74*	
		For >500 To 1,000, Deduct	*-8.90*	
		For >1,000 To 2,000, Deduct	*-17.36*	
		For >2,000 To 5,000, Deduct	*-26.70*	
		For >5,000, Deduct	*-40.12*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0077	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	379.77	
		For Up To 75, Add	*80.60*	
		For >75 To 150, Add	*37.98*	
		For >500 To 1,000, Deduct	*-9.46*	
		For >1,000 To 2,000, Deduct	*-18.45*	
		For >2,000 To 5,000, Deduct	*-28.37*	
		For >5,000, Deduct	*-42.63*	
33 01 30 71-0078	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	402.12	
		For Up To 75, Add	*85.35*	
		For >75 To 150, Add	*40.21*	
		For >500 To 1,000, Deduct	*-10.01*	
		For >1,000 To 2,000, Deduct	*-19.53*	
		For >2,000 To 5,000, Deduct	*-30.04*	
		For >5,000, Deduct	*-45.14*	
33 01 30 71-0079	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	424.45	
		For Up To 75, Add	*90.09*	
		For >75 To 150, Add	*42.45*	
		For >500 To 1,000, Deduct	*-10.57*	
		For >1,000 To 2,000, Deduct	*-20.62*	
		For >2,000 To 5,000, Deduct	*-31.70*	
		For >5,000, Deduct	*-47.64*	
33 01 30 71-0080	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	446.80	
		For Up To 75, Add	*94.83*	
		For >75 To 150, Add	*44.68*	
		For >500 To 1,000, Deduct	*-11.12*	
		For >1,000 To 2,000, Deduct	*-21.70*	
		For >2,000 To 5,000, Deduct	*-33.37*	
		For >5,000, Deduct	*-50.15*	
33 01 30 71-0081	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	14.23	

33 01 30 71-0082 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0083	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	156.10	
		For Up To 75, Add	*32.95*	
		For >75 To 150, Add	*15.61*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000 To 2,000, Deduct	*-7.45*	
		For >2,000 To 5,000, Deduct	*-11.44*	
		For >5,000, Deduct	*-17.34*	
33 01 30 71-0084	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	182.10	
		For Up To 75, Add	*38.44*	
		For >75 To 150, Add	*18.21*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000 To 2,000, Deduct	*-8.69*	
		For >2,000 To 5,000, Deduct	*-13.34*	
		For >5,000, Deduct	*-20.23*	
33 01 30 71-0085	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	208.12	
		For Up To 75, Add	*43.93*	
		For >75 To 150, Add	*20.81*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000 To 2,000, Deduct	*-9.94*	
		For >2,000 To 5,000, Deduct	*-15.25*	
		For >5,000, Deduct	*-23.12*	
33 01 30 71-0086	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	234.12	
		For Up To 75, Add	*49.42*	
		For >75 To 150, Add	*23.41*	
		For >500 To 1,000, Deduct	*-5.72*	
		For >1,000 To 2,000, Deduct	*-11.18*	
		For >2,000 To 5,000, Deduct	*-17.16*	
		For >5,000, Deduct	*-26.00*	
33 01 30 71-0087	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	260.15	
		For Up To 75, Add	*54.91*	
		For >75 To 150, Add	*26.02*	
		For >500 To 1,000, Deduct	*-6.35*	
		For >1,000 To 2,000, Deduct	*-12.42*	
		For >2,000 To 5,000, Deduct	*-19.06*	
		For >5,000, Deduct	*-28.89*	
33 01 30 71-0088	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	286.16	
		For Up To 75, Add	*60.40*	
		For >75 To 150, Add	*28.62*	
		For >500 To 1,000, Deduct	*-6.99*	
		For >1,000 To 2,000, Deduct	*-13.66*	
		For >2,000 To 5,000, Deduct	*-20.97*	
		For >5,000, Deduct	*-31.78*	
33 01 30 71-0089	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	312.16	
		For Up To 75, Add	*65.89*	
		For >75 To 150, Add	*31.22*	
		For >500 To 1,000, Deduct	*-7.63*	
		For >1,000 To 2,000, Deduct	*-14.90*	
		For >2,000 To 5,000, Deduct	*-22.88*	
		For >5,000, Deduct	*-34.67*	
33 01 30 71-0090	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	338.18	
		For Up To 75, Add	*71.38*	
		For >75 To 150, Add	*33.82*	
		For >500 To 1,000, Deduct	*-8.26*	
		For >1,000 To 2,000, Deduct	*-16.15*	
		For >2,000 To 5,000, Deduct	*-24.78*	
		For >5,000, Deduct	*-37.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0091	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	364.19	
		For Up To 75, Add	*76.87*	
		For >75 To 150, Add	*36.42*	
		For >500 To 1,000, Deduct	*-8.90*	
		For >1,000 To 2,000, Deduct	*-17.39*	
		For >2,000 To 5,000, Deduct	*-26.69*	
		For >5,000, Deduct	*-40.45*	
33 01 30 71-0092	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	390.22	
		For Up To 75, Add	*82.36*	
		For >75 To 150, Add	*39.02*	
		For >500 To 1,000, Deduct	*-9.53*	
		For >1,000 To 2,000, Deduct	*-18.63*	
		For >2,000 To 5,000, Deduct	*-28.60*	
		For >5,000, Deduct	*-43.34*	
33 01 30 71-0093	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	416.23	
		For Up To 75, Add	*87.85*	
		For >75 To 150, Add	*41.62*	
		For >500 To 1,000, Deduct	*-10.17*	
		For >1,000 To 2,000, Deduct	*-19.87*	
		For >2,000 To 5,000, Deduct	*-30.50*	
		For >5,000, Deduct	*-46.23*	
33 01 30 71-0094	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	442.25	
		For Up To 75, Add	*93.35*	
		For >75 To 150, Add	*44.23*	
		For >500 To 1,000, Deduct	*-10.80*	
		For >1,000 To 2,000, Deduct	*-21.12*	
		For >2,000 To 5,000, Deduct	*-32.41*	
		For >5,000, Deduct	*-49.12*	
33 01 30 71-0095	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	468.26	
		For Up To 75, Add	*98.83*	
		For >75 To 150, Add	*46.83*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000 To 2,000, Deduct	*-22.36*	
		For >2,000 To 5,000, Deduct	*-34.31*	
		For >5,000, Deduct	*-52.01*	
33 01 30 71-0096	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	494.27	
		For Up To 75, Add	*104.32*	
		For >75 To 150, Add	*49.43*	
		For >500 To 1,000, Deduct	*-12.07*	
		For >1,000 To 2,000, Deduct	*-23.60*	
		For >2,000 To 5,000, Deduct	*-36.22*	
		For >5,000, Deduct	*-54.90*	
33 01 30 71-0097	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	520.28	
		For Up To 75, Add	*109.81*	
		For >75 To 150, Add	*52.03*	
		For >500 To 1,000, Deduct	*-12.71*	
		For >1,000 To 2,000, Deduct	*-24.84*	
		For >2,000 To 5,000, Deduct	*-38.13*	
		For >5,000, Deduct	*-57.79*	
33 01 30 71-0098	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	16.56	

33 01 30 71-0099 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0100	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	200.34	
		For Up To 75, Add	*41.99*	
		For >75 To 150, Add	*20.03*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000 To 2,000, Deduct	*-9.36*	
		For >2,000 To 5,000, Deduct	*-14.32*	
		For >5,000, Deduct	*-21.95*	
33 01 30 71-0101	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	233.73	
		For Up To 75, Add	*48.99*	
		For >75 To 150, Add	*23.37*	
		For >500 To 1,000, Deduct	*-5.57*	
		For >1,000 To 2,000, Deduct	*-10.92*	
		For >2,000 To 5,000, Deduct	*-16.71*	
		For >5,000, Deduct	*-25.61*	
33 01 30 71-0102	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	267.12	
		For Up To 75, Add	*55.98*	
		For >75 To 150, Add	*26.71*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.48*	
		For >2,000 To 5,000, Deduct	*-19.10*	
		For >5,000, Deduct	*-29.27*	
33 01 30 71-0103	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	300.51	
		For Up To 75, Add	*62.98*	
		For >75 To 150, Add	*30.05*	
		For >500 To 1,000, Deduct	*-7.16*	
		For >1,000 To 2,000, Deduct	*-14.04*	
		For >2,000 To 5,000, Deduct	*-21.49*	
		For >5,000, Deduct	*-32.93*	
33 01 30 71-0104	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	333.89	
		For Up To 75, Add	*69.98*	
		For >75 To 150, Add	*33.39*	
		For >500 To 1,000, Deduct	*-7.96*	
		For >1,000 To 2,000, Deduct	*-15.59*	
		For >2,000 To 5,000, Deduct	*-23.87*	
		For >5,000, Deduct	*-36.59*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0105	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		367.28	
		For Up To 75, Add		*76.98*	
		For >75 To 150, Add		*36.73*	
		For >500 To 1,000, Deduct		*-8.75*	
		For >1,000 To 2,000, Deduct		*-17.15*	
		For >2,000 To 5,000, Deduct		*-26.26*	
		For >5,000, Deduct		*-40.25*	
33 01 30 71-0106	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		400.66	
		For Up To 75, Add		*83.97*	
		For >75 To 150, Add		*40.07*	
		For >500 To 1,000, Deduct		*-9.55*	
		For >1,000 To 2,000, Deduct		*-18.71*	
		For >2,000 To 5,000, Deduct		*-28.65*	
		For >5,000, Deduct		*-43.90*	
33 01 30 71-0107	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		434.06	
		For Up To 75, Add		*90.97*	
		For >75 To 150, Add		*43.41*	
		For >500 To 1,000, Deduct		*-10.34*	
		For >1,000 To 2,000, Deduct		*-20.27*	
		For >2,000 To 5,000, Deduct		*-31.03*	
		For >5,000, Deduct		*-47.57*	
33 01 30 71-0108	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		467.45	
		For Up To 75, Add		*97.97*	
		For >75 To 150, Add		*46.75*	
		For >500 To 1,000, Deduct		*-11.14*	
		For >1,000 To 2,000, Deduct		*-21.83*	
		For >2,000 To 5,000, Deduct		*-33.42*	
		For >5,000, Deduct		*-51.22*	
33 01 30 71-0109	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		500.85	
		For Up To 75, Add		*104.97*	
		For >75 To 150, Add		*50.09*	
		For >500 To 1,000, Deduct		*-11.94*	
		For >1,000 To 2,000, Deduct		*-23.39*	
		For >2,000 To 5,000, Deduct		*-35.81*	
		For >5,000, Deduct		*-54.88*	
33 01 30 71-0110	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		534.23	
		For Up To 75, Add		*111.96*	
		For >75 To 150, Add		*53.42*	
		For >500 To 1,000, Deduct		*-12.73*	
		For >1,000 To 2,000, Deduct		*-24.95*	
		For >2,000 To 5,000, Deduct		*-38.20*	
		For >5,000, Deduct		*-58.54*	
33 01 30 71-0111	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		567.63	
		For Up To 75, Add		*118.97*	
		For >75 To 150, Add		*56.76*	
		For >500 To 1,000, Deduct		*-13.53*	
		For >1,000 To 2,000, Deduct		*-26.51*	
		For >2,000 To 5,000, Deduct		*-40.58*	
		For >5,000, Deduct		*-62.20*	
33 01 30 71-0112	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		601.00	
		For Up To 75, Add		*125.96*	
		For >75 To 150, Add		*60.10*	
		For >500 To 1,000, Deduct		*-14.32*	
		For >1,000 To 2,000, Deduct		*-28.07*	
		For >2,000 To 5,000, Deduct		*-42.97*	
		For >5,000, Deduct		*-65.86*	
33 01 30 71-0113	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		634.40	
		For Up To 75, Add		*132.96*	
		For >75 To 150, Add		*63.44*	
		For >500 To 1,000, Deduct		*-15.12*	
		For >1,000 To 2,000, Deduct		*-29.63*	
		For >2,000 To 5,000, Deduct		*-45.36*	
		For >5,000, Deduct		*-69.52*	
33 01 30 71-0114	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane		667.78	
		For Up To 75, Add		*139.95*	
		For >75 To 150, Add		*66.78*	
		For >500 To 1,000, Deduct		*-15.91*	
		For >1,000 To 2,000, Deduct		*-31.19*	
		For >2,000 To 5,000, Deduct		*-47.74*	
		For >5,000, Deduct		*-73.18*	
33 01 30 71-0115	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane		21.25	

33 01 30 71-0116 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0117	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane		245.08	
		For Up To 75, Add		*51.15*	
		For >75 To 150, Add		*24.51*	
		For >500 To 1,000, Deduct		*-5.75*	
		For >1,000 To 2,000, Deduct		*-11.30*	
		For >2,000 To 5,000, Deduct		*-17.26*	
		For >5,000, Deduct		*-26.64*	
33 01 30 71-0118	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane		285.93	
		For Up To 75, Add		*59.67*	
		For >75 To 150, Add		*28.59*	
		For >500 To 1,000, Deduct		*-6.71*	
		For >1,000 To 2,000, Deduct		*-13.18*	
		For >2,000 To 5,000, Deduct		*-20.14*	
		For >5,000, Deduct		*-31.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0119	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	326.78	
		For Up To 75, Add	*68.20*	
		For >75 To 150, Add	*32.68*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000 To 2,000, Deduct	*-15.06*	
		For >2,000 To 5,000, Deduct	*-23.02*	
		For >5,000, Deduct	*-35.52*	
33 01 30 71-0120	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	367.63	
		For Up To 75, Add	*76.73*	
		For >75 To 150, Add	*36.76*	
		For >500 To 1,000, Deduct	*-8.63*	
		For >1,000 To 2,000, Deduct	*-16.94*	
		For >2,000 To 5,000, Deduct	*-25.90*	
		For >5,000, Deduct	*-39.96*	
33 01 30 71-0121	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	408.48	
		For Up To 75, Add	*85.25*	
		For >75 To 150, Add	*40.85*	
		For >500 To 1,000, Deduct	*-9.59*	
		For >1,000 To 2,000, Deduct	*-18.83*	
		For >2,000 To 5,000, Deduct	*-28.77*	
		For >5,000, Deduct	*-44.40*	
33 01 30 71-0122	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	449.33	
		For Up To 75, Add	*93.78*	
		For >75 To 150, Add	*44.93*	
		For >500 To 1,000, Deduct	*-10.55*	
		For >1,000 To 2,000, Deduct	*-20.71*	
		For >2,000 To 5,000, Deduct	*-31.65*	
		For >5,000, Deduct	*-48.84*	
33 01 30 71-0123	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	490.18	
		For Up To 75, Add	*102.30*	
		For >75 To 150, Add	*49.02*	
		For >500 To 1,000, Deduct	*-11.51*	
		For >1,000 To 2,000, Deduct	*-22.59*	
		For >2,000 To 5,000, Deduct	*-34.53*	
		For >5,000, Deduct	*-53.28*	
33 01 30 71-0124	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	531.03	
		For Up To 75, Add	*110.83*	
		For >75 To 150, Add	*53.10*	
		For >500 To 1,000, Deduct	*-12.47*	
		For >1,000 To 2,000, Deduct	*-24.48*	
		For >2,000 To 5,000, Deduct	*-37.41*	
		For >5,000, Deduct	*-57.72*	
33 01 30 71-0125	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	571.87	
		For Up To 75, Add	*119.35*	
		For >75 To 150, Add	*57.19*	
		For >500 To 1,000, Deduct	*-13.43*	
		For >1,000 To 2,000, Deduct	*-26.36*	
		For >2,000 To 5,000, Deduct	*-40.28*	
		For >5,000, Deduct	*-62.16*	
33 01 30 71-0126	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	612.71	
		For Up To 75, Add	*127.87*	
		For >75 To 150, Add	*61.27*	
		For >500 To 1,000, Deduct	*-14.39*	
		For >1,000 To 2,000, Deduct	*-28.24*	
		For >2,000 To 5,000, Deduct	*-43.16*	
		For >5,000, Deduct	*-66.60*	
33 01 30 71-0127	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	653.56	
		For Up To 75, Add	*136.40*	
		For >75 To 150, Add	*65.36*	
		For >500 To 1,000, Deduct	*-15.35*	
		For >1,000 To 2,000, Deduct	*-30.12*	
		For >2,000 To 5,000, Deduct	*-46.04*	
		For >5,000, Deduct	*-71.04*	
33 01 30 71-0128	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	694.41	
		For Up To 75, Add	*144.92*	
		For >75 To 150, Add	*69.44*	
		For >500 To 1,000, Deduct	*-16.31*	
		For >1,000 To 2,000, Deduct	*-32.01*	
		For >2,000 To 5,000, Deduct	*-48.92*	
		For >5,000, Deduct	*-75.48*	
33 01 30 71-0129	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	735.26	
		For Up To 75, Add	*153.45*	
		For >75 To 150, Add	*73.53*	
		For >500 To 1,000, Deduct	*-17.26*	
		For >1,000 To 2,000, Deduct	*-33.89*	
		For >2,000 To 5,000, Deduct	*-51.79*	
		For >5,000, Deduct	*-79.92*	
33 01 30 71-0130	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	776.11	
		For Up To 75, Add	*161.98*	
		For >75 To 150, Add	*77.61*	
		For >500 To 1,000, Deduct	*-18.22*	
		For >1,000 To 2,000, Deduct	*-35.77*	
		For >2,000 To 5,000, Deduct	*-54.67*	
		For >5,000, Deduct	*-84.36*	
33 01 30 71-0131	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	816.96	
		For Up To 75, Add	*170.50*	
		For >75 To 150, Add	*81.70*	
		For >500 To 1,000, Deduct	*-19.18*	
		For >1,000 To 2,000, Deduct	*-37.65*	
		For >2,000 To 5,000, Deduct	*-57.55*	
		For >5,000, Deduct	*-88.81*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0132	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	26.01	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Set-Up And Reinsertion For Cured In-Place Pipe (CIPP) Lining *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set-up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,967.22
33 01 30 72-0004	EA	Initial Set-up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,278.69
33 01 30 72-0005	EA	Initial Set-up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,918.04
33 01 30 72-0006	EA	Initial Set-up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,557.39
33 01 30 72-0007	EA	Move And Set-up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	983.61
33 01 30 72-0008	EA	Move And Set-up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,639.35
33 01 30 72-0009	EA	Move And Set-up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,049.19
33 01 30 72-0010	EA	Move And Set-up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,622.95
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	1,639.35
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	3,934.43
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	6,557.39
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	9,836.08

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	28.06
		For Up To >10, Add	*57.06*
		For >10 To 25, Add	*45.74*
		For >25 To 50, Add	*27.99*
		For >50 To 100, Add	*13.99*
		For >500 To 1,000, Deduct	*-1.83*
		For >1,000 To 2,000, Deduct	*-2.97*
		For >2,000 To 5,000, Deduct	*-5.60*
		For >5,000, Deduct	*-9.05*
		For Vinylester Resin, Add	*7.60*
		For Epoxy Resin, Add	*0.90*
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	34.01
		For Up To >10, Add	*60.03*
		For >10 To 25, Add	*47.23*
		For >25 To 50, Add	*29.18*
		For >50 To 100, Add	*14.59*
		For >500 To 1,000, Deduct	*-2.13*
		For >1,000 To 2,000, Deduct	*-3.41*
		For >2,000 To 5,000, Deduct	*-6.32*
		For >5,000, Deduct	*-10.24*
		For Vinylester Resin, Add	*11.76*
		For Epoxy Resin, Add	*1.39*
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	39.96
		For Up To >10, Add	*63.01*
		For >10 To 25, Add	*48.71*
		For >25 To 50, Add	*30.37*
		For >50 To 100, Add	*15.18*
		For >500 To 1,000, Deduct	*-2.43*
		For >1,000 To 2,000, Deduct	*-3.86*
		For >2,000 To 5,000, Deduct	*-7.03*
		For >5,000, Deduct	*-11.43*
		For Vinylester Resin, Add	*15.93*
		For Epoxy Resin, Add	*1.88*
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	53.52
		For Up To >10, Add	*73.91*
		For >10 To 25, Add	*55.82*
		For >25 To 50, Add	*35.22*
		For >50 To 100, Add	*17.61*
		For >500 To 1,000, Deduct	*-3.15*
		For >1,000 To 2,000, Deduct	*-4.96*
		For >2,000 To 5,000, Deduct	*-8.87*
		For >5,000, Deduct	*-14.48*
		For Vinylester Resin, Add	*24.26*
		For Epoxy Resin, Add	*2.86*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	67.05	
		For Up To >10, Add	*84.75*	
		For >10 To 25, Add	*62.87*	
		For >25 To 50, Add	*40.05*	
		For >50 To 100, Add	*20.02*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000 To 2,000, Deduct	*-6.05*	
		For >2,000 To 5,000, Deduct	*-10.71*	
		For >5,000, Deduct	*-17.51*	
		For Vinylester Resin, Add	*32.59*	
		For Epoxy Resin, Add	*3.84*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	39.14	
		For Up To >10, Add	*62.60*	
		For >10 To 25, Add	*48.51*	
		For >25 To 50, Add	*30.20*	
		For >50 To 100, Add	*15.10*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000 To 2,000, Deduct	*-3.80*	
		For >2,000 To 5,000, Deduct	*-6.93*	
		For >5,000, Deduct	*-11.27*	
		For Vinylester Resin, Add	*15.35*	
		For Epoxy Resin, Add	*1.81*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	47.08	
		For Up To >10, Add	*66.57*	
		For >10 To 25, Add	*50.49*	
		For >25 To 50, Add	*31.79*	
		For >50 To 100, Add	*15.89*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000 To 2,000, Deduct	*-4.39*	
		For >2,000 To 5,000, Deduct	*-7.89*	
		For >5,000, Deduct	*-12.86*	
		For Vinylester Resin, Add	*20.91*	
		For Epoxy Resin, Add	*2.46*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	64.60	
		For Up To >10, Add	*79.45*	
		For >10 To 25, Add	*58.59*	
		For >25 To 50, Add	*37.44*	
		For >50 To 100, Add	*18.72*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000 To 2,000, Deduct	*-5.79*	
		For >2,000 To 5,000, Deduct	*-10.20*	
		For >5,000, Deduct	*-16.69*	
		For Vinylester Resin, Add	*32.02*	
		For Epoxy Resin, Add	*3.77*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	82.10	
		For Up To >10, Add	*92.28*	
		For >10 To 25, Add	*66.63*	
		For >25 To 50, Add	*43.06*	
		For >50 To 100, Add	*21.53*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-7.18*	
		For >2,000 To 5,000, Deduct	*-12.52*	
		For >5,000, Deduct	*-20.52*	
		For Vinylester Resin, Add	*43.13*	
		For Epoxy Resin, Add	*5.08*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	99.78	
		For Up To >10, Add	*105.64*	
		For >10 To 25, Add	*75.12*	
		For >25 To 50, Add	*48.95*	
		For >50 To 100, Add	*24.47*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000 To 2,000, Deduct	*-8.60*	
		For >2,000 To 5,000, Deduct	*-14.87*	
		For >5,000, Deduct	*-24.42*	
		For Vinylester Resin, Add	*54.24*	
		For Epoxy Resin, Add	*6.39*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	117.95	
		For Up To >10, Add	*120.48*	
		For >10 To 25, Add	*84.84*	
		For >25 To 50, Add	*55.57*	
		For >50 To 100, Add	*27.79*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000 To 2,000, Deduct	*-10.08*	
		For >2,000 To 5,000, Deduct	*-17.35*	
		For >5,000, Deduct	*-28.51*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	53.96	
		For Up To >10, Add	*70.01*	
		For >10 To 25, Add	*52.21*	
		For >25 To 50, Add	*33.17*	
		For >50 To 100, Add	*16.58*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000 To 2,000, Deduct	*-4.91*	
		For >2,000 To 5,000, Deduct	*-8.71*	
		For >5,000, Deduct	*-14.23*	
		For Vinylester Resin, Add	*25.73*	
		For Epoxy Resin, Add	*3.03*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	75.44	
		For Up To >10, Add	*84.87*	
		For >10 To 25, Add	*61.30*	
		For >25 To 50, Add	*39.61*	
		For >50 To 100, Add	*19.80*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000 To 2,000, Deduct	*-6.60*	
		For >2,000 To 5,000, Deduct	*-11.50*	
		For >5,000, Deduct	*-18.86*	
		For Vinylester Resin, Add	*39.61*	
		For Epoxy Resin, Add	*4.67*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	96.92	
		For Up To >10, Add	*99.69*	
		For >10 To 25, Add	*70.33*	
		For >25 To 50, Add	*46.02*	
		For >50 To 100, Add	*23.01*	
		For >500 To 1,000, Deduct	*-5.36*	
		For >1,000 To 2,000, Deduct	*-8.29*	
		For >2,000 To 5,000, Deduct	*-14.29*	
		For >5,000, Deduct	*-23.48*	
		For Vinylester Resin, Add	*53.50*	
		For Epoxy Resin, Add	*6.31*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	118.56	
		For Up To >10, Add	*115.03*	
		For >10 To 25, Add	*79.82*	
		For >25 To 50, Add	*52.70*	
		For >50 To 100, Add	*26.35*	
		For >500 To 1,000, Deduct	*-6.49*	
		For >1,000 To 2,000, Deduct	*-10.01*	
		For >2,000 To 5,000, Deduct	*-17.13*	
		For >5,000, Deduct	*-28.17*	
		For Vinylester Resin, Add	*67.38*	
		For Epoxy Resin, Add	*7.94*	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	140.70	
		For Up To >10, Add	*131.85*	
		For >10 To 25, Add	*90.53*	
		For >25 To 50, Add	*60.12*	
		For >50 To 100, Add	*30.06*	
		For >500 To 1,000, Deduct	*-7.65*	
		For >1,000 To 2,000, Deduct	*-11.78*	
		For >2,000 To 5,000, Deduct	*-20.08*	
		For >5,000, Deduct	*-33.06*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	173.73	
		For Up To >10, Add	*156.54*	
		For >10 To 25, Add	*106.14*	
		For >25 To 50, Add	*70.98*	
		For >50 To 100, Add	*35.49*	
		For >500 To 1,000, Deduct	*-9.38*	
		For >1,000 To 2,000, Deduct	*-14.42*	
		For >2,000 To 5,000, Deduct	*-24.47*	
		For >5,000, Deduct	*-40.32*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	207.10	
		For Up To >10, Add	*182.25*	
		For >10 To 25, Add	*122.61*	
		For >25 To 50, Add	*82.34*	
		For >50 To 100, Add	*41.17*	
		For >500 To 1,000, Deduct	*-11.14*	
		For >1,000 To 2,000, Deduct	*-17.11*	
		For >2,000 To 5,000, Deduct	*-28.94*	
		For >5,000, Deduct	*-47.72*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	86.06	
		For Up To >10, Add	*90.18*	
		For >10 To 25, Add	*63.95*	
		For >25 To 50, Add	*41.73*	
		For >50 To 100, Add	*20.87*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000 To 2,000, Deduct	*-7.40*	
		For >2,000 To 5,000, Deduct	*-12.78*	
		For >5,000, Deduct	*-20.98*	
		For Vinylester Resin, Add	*47.04*	
		For Epoxy Resin, Add	*5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	111.50	
		For Up To >10, Add	*106.98*	
		For >10 To 25, Add	*73.98*	
		For >25 To 50, Add	*48.94*	
		For >50 To 100, Add	*24.47*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000 To 2,000, Deduct	*-9.39*	
		For >2,000 To 5,000, Deduct	*-16.04*	
		For >5,000, Deduct	*-26.40*	
		For Vinylester Resin, Add	*63.71*	
		For Epoxy Resin, Add	*7.51*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	137.12	
		For Up To >10, Add	*124.31*	
		For >10 To 25, Add	*84.46*	
		For >25 To 50, Add	*56.41*	
		For >50 To 100, Add	*28.21*	
		For >500 To 1,000, Deduct	*-7.41*	
		For >1,000 To 2,000, Deduct	*-11.40*	
		For >2,000 To 5,000, Deduct	*-19.35*	
		For >5,000, Deduct	*-31.88*	
		For Vinylester Resin, Add	*80.37*	
		For Epoxy Resin, Add	*9.47*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	163.22	
		For Up To >10, Add	*143.11*	
		For >10 To 25, Add	*96.16*	
		For >25 To 50, Add	*64.62*	
		For >50 To 100, Add	*32.31*	
		For >500 To 1,000, Deduct	*-8.78*	
		For >1,000 To 2,000, Deduct	*-13.47*	
		For >2,000 To 5,000, Deduct	*-22.78*	
		For >5,000, Deduct	*-37.56*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	202.20	
		For Up To >10, Add	*170.78*	
		For >10 To 25, Add	*113.26*	
		For >25 To 50, Add	*76.67*	
		For >50 To 100, Add	*38.34*	
		For >500 To 1,000, Deduct	*-10.81*	
		For >1,000 To 2,000, Deduct	*-16.56*	
		For >2,000 To 5,000, Deduct	*-27.89*	
		For >5,000, Deduct	*-46.01*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	241.52	
		For Up To >10, Add	*199.46*	
		For >10 To 25, Add	*131.21*	
		For >25 To 50, Add	*89.23*	
		For >50 To 100, Add	*44.61*	
		For >500 To 1,000, Deduct	*-12.86*	
		For >1,000 To 2,000, Deduct	*-19.69*	
		For >2,000 To 5,000, Deduct	*-33.07*	
		For >5,000, Deduct	*-54.60*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	279.84	
		For Up To >10, Add	*225.17*	
		For >10 To 25, Add	*146.69*	
		For >25 To 50, Add	*100.30*	
		For >50 To 100, Add	*50.15*	
		For >500 To 1,000, Deduct	*-14.84*	
		For >1,000 To 2,000, Deduct	*-22.69*	
		For >2,000 To 5,000, Deduct	*-38.01*	
		For >5,000, Deduct	*-62.79*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	318.68	
		For Up To >10, Add	*252.39*	
		For >10 To 25, Add	*163.42*	
		For >25 To 50, Add	*112.12*	
		For >50 To 100, Add	*56.06*	
		For >500 To 1,000, Deduct	*-16.86*	
		For >1,000 To 2,000, Deduct	*-25.76*	
		For >2,000 To 5,000, Deduct	*-43.08*	
		For >5,000, Deduct	*-71.18*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	230.43	
		For Up To >10, Add	*184.89*	
		For >10 To 25, Add	*120.32*	
		For >25 To 50, Add	*82.32*	
		For >50 To 100, Add	*41.16*	
		For >500 To 1,000, Deduct	*-12.22*	
		For >1,000 To 2,000, Deduct	*-18.68*	
		For >2,000 To 5,000, Deduct	*-31.27*	
		For >5,000, Deduct	*-51.66*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	275.70	
		For Up To >10, Add	*216.55*	
		For >10 To 25, Add	*139.76*	
		For >25 To 50, Add	*96.06*	
		For >50 To 100, Add	*48.03*	
		For >500 To 1,000, Deduct	*-14.57*	
		For >1,000 To 2,000, Deduct	*-22.25*	
		For >2,000 To 5,000, Deduct	*-37.18*	
		For >5,000, Deduct	*-61.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	319.99	
		For Up To >10, Add	*245.25*	
		For >10 To 25, Add	*156.72*	
		For >25 To 50, Add	*108.33*	
		For >50 To 100, Add	*54.16*	
		For >500 To 1,000, Deduct	*-16.85*	
		For >1,000 To 2,000, Deduct	*-25.70*	
		For >2,000 To 5,000, Deduct	*-42.83*	
		For >5,000, Deduct	*-70.82*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	364.76	
		For Up To >10, Add	*275.43*	
		For >10 To 25, Add	*174.94*	
		For >25 To 50, Add	*121.34*	
		For >50 To 100, Add	*60.67*	
		For >500 To 1,000, Deduct	*-19.17*	
		For >1,000 To 2,000, Deduct	*-29.22*	
		For >2,000 To 5,000, Deduct	*-48.61*	
		For >5,000, Deduct	*-80.40*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	410.18	
		For Up To >10, Add	*307.54*	
		For >10 To 25, Add	*194.75*	
		For >25 To 50, Add	*135.31*	
		For >50 To 100, Add	*67.66*	
		For >500 To 1,000, Deduct	*-21.53*	
		For >1,000 To 2,000, Deduct	*-32.81*	
		For >2,000 To 5,000, Deduct	*-54.55*	
		For >5,000, Deduct	*-90.23*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	456.44	
		For Up To >10, Add	*342.15*	
		For >10 To 25, Add	*216.64*	
		For >25 To 50, Add	*150.53*	
		For >50 To 100, Add	*75.26*	
		For >500 To 1,000, Deduct	*-23.96*	
		For >1,000 To 2,000, Deduct	*-36.51*	
		For >2,000 To 5,000, Deduct	*-60.70*	
		For >5,000, Deduct	*-100.40*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	545.50	
		For Up To >10, Add	*401.03*	
		For >10 To 25, Add	*251.82*	
		For >25 To 50, Add	*175.80*	
		For >50 To 100, Add	*87.90*	
		For >500 To 1,000, Deduct	*-28.56*	
		For >1,000 To 2,000, Deduct	*-43.48*	
		For >2,000 To 5,000, Deduct	*-72.13*	
		For >5,000, Deduct	*-119.36*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	258.43	
		For Up To >10, Add	*198.89*	
		For >10 To 25, Add	*127.32*	
		For >25 To 50, Add	*87.92*	
		For >50 To 100, Add	*43.96*	
		For >500 To 1,000, Deduct	*-13.62*	
		For >1,000 To 2,000, Deduct	*-20.78*	
		For >2,000 To 5,000, Deduct	*-34.63*	
		For >5,000, Deduct	*-57.26*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	309.66	
		For Up To >10, Add	*233.53*	
		For >10 To 25, Add	*148.25*	
		For >25 To 50, Add	*102.86*	
		For >50 To 100, Add	*51.43*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000 To 2,000, Deduct	*-24.80*	
		For >2,000 To 5,000, Deduct	*-41.25*	
		For >5,000, Deduct	*-68.23*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	359.89	
		For Up To >10, Add	*265.20*	
		For >10 To 25, Add	*166.70*	
		For >25 To 50, Add	*116.31*	
		For >50 To 100, Add	*58.15*	
		For >500 To 1,000, Deduct	*-18.85*	
		For >1,000 To 2,000, Deduct	*-28.70*	
		For >2,000 To 5,000, Deduct	*-47.62*	
		For >5,000, Deduct	*-78.80*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	410.62	
		For Up To >10, Add	*298.36*	
		For >10 To 25, Add	*186.40*	
		For >25 To 50, Add	*130.51*	
		For >50 To 100, Add	*65.26*	
		For >500 To 1,000, Deduct	*-21.46*	
		For >1,000 To 2,000, Deduct	*-32.66*	
		For >2,000 To 5,000, Deduct	*-54.11*	
		For >5,000, Deduct	*-89.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	461.99	
		For Up To >10, Add	*333.45*	
		For >10 To 25, Add	*207.70*	
		For >25 To 50, Add	*145.67*	
		For >50 To 100, Add	*72.84*	
		For >500 To 1,000, Deduct	*-24.12*	
		For >1,000 To 2,000, Deduct	*-36.70*	
		For >2,000 To 5,000, Deduct	*-60.77*	
		For >5,000, Deduct	*-100.59*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	514.19	
		For Up To >10, Add	*371.02*	
		For >10 To 25, Add	*231.08*	
		For >25 To 50, Add	*162.08*	
		For >50 To 100, Add	*81.04*	
		For >500 To 1,000, Deduct	*-26.85*	
		For >1,000 To 2,000, Deduct	*-40.84*	
		For >2,000 To 5,000, Deduct	*-67.63*	
		For >5,000, Deduct	*-111.95*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	615.16	
		For Up To >10, Add	*435.86*	
		For >10 To 25, Add	*269.24*	
		For >25 To 50, Add	*189.74*	
		For >50 To 100, Add	*94.87*	
		For >500 To 1,000, Deduct	*-32.04*	
		For >1,000 To 2,000, Deduct	*-48.70*	
		For >2,000 To 5,000, Deduct	*-80.49*	
		For >5,000, Deduct	*-133.29*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	717.60	
		For Up To >10, Add	*505.13*	
		For >10 To 25, Add	*311.09*	
		For >25 To 50, Add	*219.61*	
		For >50 To 100, Add	*109.80*	
		For >500 To 1,000, Deduct	*-37.34*	
		For >1,000 To 2,000, Deduct	*-56.75*	
		For >2,000 To 5,000, Deduct	*-93.72*	
		For >5,000, Deduct	*-155.23*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	822.65	
		For Up To >10, Add	*582.23*	
		For >10 To 25, Add	*359.47*	
		For >25 To 50, Add	*253.40*	
		For >50 To 100, Add	*126.70*	
		For >500 To 1,000, Deduct	*-42.84*	
		For >1,000 To 2,000, Deduct	*-65.12*	
		For >2,000 To 5,000, Deduct	*-107.60*	
		For >5,000, Deduct	*-178.20*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	286.20	
		For Up To >10, Add	*212.78*	
		For >10 To 25, Add	*134.26*	
		For >25 To 50, Add	*93.47*	
		For >50 To 100, Add	*46.74*	
		For >500 To 1,000, Deduct	*-15.01*	
		For >1,000 To 2,000, Deduct	*-22.86*	
		For >2,000 To 5,000, Deduct	*-37.97*	
		For >5,000, Deduct	*-62.81*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	343.38	
		For Up To >10, Add	*250.39*	
		For >10 To 25, Add	*156.68*	
		For >25 To 50, Add	*109.60*	
		For >50 To 100, Add	*54.80*	
		For >500 To 1,000, Deduct	*-17.96*	
		For >1,000 To 2,000, Deduct	*-27.33*	
		For >2,000 To 5,000, Deduct	*-45.30*	
		For >5,000, Deduct	*-74.97*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	399.56	
		For Up To >10, Add	*285.03*	
		For >10 To 25, Add	*176.62*	
		For >25 To 50, Add	*124.24*	
		For >50 To 100, Add	*62.12*	
		For >500 To 1,000, Deduct	*-20.83*	
		For >1,000 To 2,000, Deduct	*-31.67*	
		For >2,000 To 5,000, Deduct	*-52.38*	
		For >5,000, Deduct	*-86.73*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	456.24	
		For Up To >10, Add	*321.17*	
		For >10 To 25, Add	*197.81*	
		For >25 To 50, Add	*139.63*	
		For >50 To 100, Add	*69.82*	
		For >500 To 1,000, Deduct	*-23.74*	
		For >1,000 To 2,000, Deduct	*-36.08*	
		For >2,000 To 5,000, Deduct	*-59.59*	
		For >5,000, Deduct	*-98.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	513.57	
		For Up To >10, Add	*359.24*	
		For >10 To 25, Add	*220.60*	
		For >25 To 50, Add	*155.99*	
		For >50 To 100, Add	*77.99*	
		For >500 To 1,000, Deduct	*-26.70*	
		For >1,000 To 2,000, Deduct	*-40.57*	
		For >2,000 To 5,000, Deduct	*-66.96*	
		For >5,000, Deduct	*-110.91*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	571.72	
		For Up To >10, Add	*399.79*	
		For >10 To 25, Add	*245.46*	
		For >25 To 50, Add	*173.59*	
		For >50 To 100, Add	*86.79*	
		For >500 To 1,000, Deduct	*-29.73*	
		For >1,000 To 2,000, Deduct	*-45.16*	
		For >2,000 To 5,000, Deduct	*-74.53*	
		For >5,000, Deduct	*-123.46*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	684.59	
		For Up To >10, Add	*470.57*	
		For >10 To 25, Add	*286.60*	
		For >25 To 50, Add	*203.62*	
		For >50 To 100, Add	*101.81*	
		For >500 To 1,000, Deduct	*-35.51*	
		For >1,000 To 2,000, Deduct	*-53.91*	
		For >2,000 To 5,000, Deduct	*-88.82*	
		For >5,000, Deduct	*-147.18*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	798.93	
		For Up To >10, Add	*545.79*	
		For >10 To 25, Add	*331.43*	
		For >25 To 50, Add	*235.88*	
		For >50 To 100, Add	*117.94*	
		For >500 To 1,000, Deduct	*-41.41*	
		For >1,000 To 2,000, Deduct	*-62.85*	
		For >2,000 To 5,000, Deduct	*-103.48*	
		For >5,000, Deduct	*-171.49*	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	915.89	
		For Up To >10, Add	*628.85*	
		For >10 To 25, Add	*382.78*	
		For >25 To 50, Add	*272.05*	
		For >50 To 100, Add	*136.02*	
		For >500 To 1,000, Deduct	*-47.50*	
		For >1,000 To 2,000, Deduct	*-72.11*	
		For >2,000 To 5,000, Deduct	*-118.79*	
		For >5,000, Deduct	*-196.85*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	313.73	
		For Up To >10, Add	*226.54*	
		For >10 To 25, Add	*141.14*	
		For >25 To 50, Add	*98.98*	
		For >50 To 100, Add	*49.49*	
		For >500 To 1,000, Deduct	*-16.38*	
		For >1,000 To 2,000, Deduct	*-24.92*	
		For >2,000 To 5,000, Deduct	*-41.27*	
		For >5,000, Deduct	*-68.32*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	376.86	
		For Up To >10, Add	*267.13*	
		For >10 To 25, Add	*165.05*	
		For >25 To 50, Add	*116.30*	
		For >50 To 100, Add	*58.15*	
		For >500 To 1,000, Deduct	*-19.63*	
		For >1,000 To 2,000, Deduct	*-29.84*	
		For >2,000 To 5,000, Deduct	*-49.32*	
		For >5,000, Deduct	*-81.67*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	438.99	
		For Up To >10, Add	*304.75*	
		For >10 To 25, Add	*186.47*	
		For >25 To 50, Add	*132.13*	
		For >50 To 100, Add	*66.06*	
		For >500 To 1,000, Deduct	*-22.80*	
		For >1,000 To 2,000, Deduct	*-34.63*	
		For >2,000 To 5,000, Deduct	*-57.11*	
		For >5,000, Deduct	*-94.62*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	501.63	
		For Up To >10, Add	*343.87*	
		For >10 To 25, Add	*209.15*	
		For >25 To 50, Add	*148.71*	
		For >50 To 100, Add	*74.36*	
		For >500 To 1,000, Deduct	*-26.01*	
		For >1,000 To 2,000, Deduct	*-39.48*	
		For >2,000 To 5,000, Deduct	*-65.03*	
		For >5,000, Deduct	*-107.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	564.90	
		For Up To >10, Add	*384.90*	
		For >10 To 25, Add	*233.43*	
		For >25 To 50, Add	*166.25*	
		For >50 To 100, Add	*83.13*	
		For >500 To 1,000, Deduct	*-29.27*	
		For >1,000 To 2,000, Deduct	*-44.42*	
		For >2,000 To 5,000, Deduct	*-73.12*	
		For >5,000, Deduct	*-121.18*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	629.01	
		For Up To >10, Add	*428.43*	
		For >10 To 25, Add	*259.79*	
		For >25 To 50, Add	*185.04*	
		For >50 To 100, Add	*92.52*	
		For >500 To 1,000, Deduct	*-32.59*	
		For >1,000 To 2,000, Deduct	*-49.45*	
		For >2,000 To 5,000, Deduct	*-81.41*	
		For >5,000, Deduct	*-134.92*	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	753.78	
		For Up To >10, Add	*505.17*	
		For >10 To 25, Add	*303.89*	
		For >25 To 50, Add	*217.46*	
		For >50 To 100, Add	*108.73*	
		For >500 To 1,000, Deduct	*-38.97*	
		For >1,000 To 2,000, Deduct	*-59.10*	
		For >2,000 To 5,000, Deduct	*-97.12*	
		For >5,000, Deduct	*-161.02*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	880.03	
		For Up To >10, Add	*586.34*	
		For >10 To 25, Add	*351.70*	
		For >25 To 50, Add	*252.10*	
		For >50 To 100, Add	*126.05*	
		For >500 To 1,000, Deduct	*-45.46*	
		For >1,000 To 2,000, Deduct	*-68.93*	
		For >2,000 To 5,000, Deduct	*-113.21*	
		For >5,000, Deduct	*-187.71*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,008.89	
		For Up To >10, Add	*675.35*	
		For >10 To 25, Add	*406.03*	
		For >25 To 50, Add	*290.65*	
		For >50 To 100, Add	*145.32*	
		For >500 To 1,000, Deduct	*-52.15*	
		For >1,000 To 2,000, Deduct	*-79.08*	
		For >2,000 To 5,000, Deduct	*-129.95*	
		For >5,000, Deduct	*-215.45*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	410.10	
		For Up To >10, Add	*283.75*	
		For >10 To 25, Add	*173.36*	
		For >25 To 50, Add	*122.94*	
		For >50 To 100, Add	*61.47*	
		For >500 To 1,000, Deduct	*-21.29*	
		For >1,000 To 2,000, Deduct	*-32.33*	
		For >2,000 To 5,000, Deduct	*-53.30*	
		For >5,000, Deduct	*-88.32*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	478.19	
		For Up To >10, Add	*324.35*	
		For >10 To 25, Add	*196.27*	
		For >25 To 50, Add	*139.97*	
		For >50 To 100, Add	*69.98*	
		For >500 To 1,000, Deduct	*-24.76*	
		For >1,000 To 2,000, Deduct	*-37.57*	
		For >2,000 To 5,000, Deduct	*-61.82*	
		For >5,000, Deduct	*-102.46*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	546.78	
		For Up To >10, Add	*366.44*	
		For >10 To 25, Add	*220.44*	
		For >25 To 50, Add	*157.74*	
		For >50 To 100, Add	*78.87*	
		For >500 To 1,000, Deduct	*-28.27*	
		For >1,000 To 2,000, Deduct	*-42.87*	
		For >2,000 To 5,000, Deduct	*-70.45*	
		For >5,000, Deduct	*-116.80*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	616.01	
		For Up To >10, Add	*410.46*	
		For >10 To 25, Add	*246.21*	
		For >25 To 50, Add	*176.48*	
		For >50 To 100, Add	*88.24*	
		For >500 To 1,000, Deduct	*-31.83*	
		For >1,000 To 2,000, Deduct	*-48.25*	
		For >2,000 To 5,000, Deduct	*-79.25*	
		For >5,000, Deduct	*-131.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	686.06	
		For Up To >10, Add	*456.96*	
		For >10 To 25, Add	*274.05*	
		For >25 To 50, Add	*196.45*	
		For >50 To 100, Add	*98.23*	
		For >500 To 1,000, Deduct	*-35.44*	
		For >1,000 To 2,000, Deduct	*-53.73*	
		For >2,000 To 5,000, Deduct	*-88.25*	
		For >5,000, Deduct	*-146.33*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	822.74	
		For Up To >10, Add	*539.65*	
		For >10 To 25, Add	*321.13*	
		For >25 To 50, Add	*231.25*	
		For >50 To 100, Add	*115.63*	
		For >500 To 1,000, Deduct	*-42.42*	
		For >1,000 To 2,000, Deduct	*-64.27*	
		For >2,000 To 5,000, Deduct	*-105.40*	
		For >5,000, Deduct	*-174.81*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	960.89	
		For Up To >10, Add	*626.77*	
		For >10 To 25, Add	*371.92*	
		For >25 To 50, Add	*268.27*	
		For >50 To 100, Add	*134.13*	
		For >500 To 1,000, Deduct	*-49.51*	
		For >1,000 To 2,000, Deduct	*-74.99*	
		For >2,000 To 5,000, Deduct	*-122.92*	
		For >5,000, Deduct	*-203.88*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,101.65	
		For Up To >10, Add	*721.73*	
		For >10 To 25, Add	*429.22*	
		For >25 To 50, Add	*309.20*	
		For >50 To 100, Add	*154.60*	
		For >500 To 1,000, Deduct	*-56.79*	
		For >1,000 To 2,000, Deduct	*-86.04*	
		For >2,000 To 5,000, Deduct	*-141.08*	
		For >5,000, Deduct	*-234.00*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,241.28	
		For Up To >10, Add	*813.27*	
		For >10 To 25, Add	*483.68*	
		For >25 To 50, Add	*348.42*	
		For >50 To 100, Add	*174.21*	
		For >500 To 1,000, Deduct	*-63.99*	
		For >1,000 To 2,000, Deduct	*-96.95*	
		For >2,000 To 5,000, Deduct	*-158.97*	
		For >5,000, Deduct	*-263.67*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	443.94	
		For Up To >10, Add	*302.72*	
		For >10 To 25, Add	*183.66*	
		For >25 To 50, Add	*130.78*	
		For >50 To 100, Add	*65.39*	
		For >500 To 1,000, Deduct	*-23.00*	
		For >1,000 To 2,000, Deduct	*-34.91*	
		For >2,000 To 5,000, Deduct	*-57.47*	
		For >5,000, Deduct	*-95.25*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	518.14	
		For Up To >10, Add	*346.77*	
		For >10 To 25, Add	*208.47*	
		For >25 To 50, Add	*149.23*	
		For >50 To 100, Add	*74.62*	
		For >500 To 1,000, Deduct	*-26.78*	
		For >1,000 To 2,000, Deduct	*-40.61*	
		For >2,000 To 5,000, Deduct	*-66.74*	
		For >5,000, Deduct	*-110.64*	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	592.67	
		For Up To >10, Add	*391.81*	
		For >10 To 25, Add	*234.10*	
		For >25 To 50, Add	*168.18*	
		For >50 To 100, Add	*84.09*	
		For >500 To 1,000, Deduct	*-30.59*	
		For >1,000 To 2,000, Deduct	*-46.36*	
		For >2,000 To 5,000, Deduct	*-76.09*	
		For >5,000, Deduct	*-126.17*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	668.03	
		For Up To >10, Add	*439.34*	
		For >10 To 25, Add	*261.80*	
		For >25 To 50, Add	*188.38*	
		For >50 To 100, Add	*94.19*	
		For >500 To 1,000, Deduct	*-34.45*	
		For >1,000 To 2,000, Deduct	*-52.21*	
		For >2,000 To 5,000, Deduct	*-85.64*	
		For >5,000, Deduct	*-142.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	744.03	
		For Up To >10, Add	*488.82*	
		For >10 To 25, Add	*291.13*	
		For >25 To 50, Add	*209.54*	
		For >50 To 100, Add	*104.77*	
		For >500 To 1,000, Deduct	*-38.37*	
		For >1,000 To 2,000, Deduct	*-58.14*	
		For >2,000 To 5,000, Deduct	*-95.36*	
		For >5,000, Deduct	*-158.15*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	893.93	
		For Up To >10, Add	*581.42*	
		For >10 To 25, Add	*344.49*	
		For >25 To 50, Add	*248.70*	
		For >50 To 100, Add	*124.35*	
		For >500 To 1,000, Deduct	*-46.04*	
		For >1,000 To 2,000, Deduct	*-69.73*	
		For >2,000 To 5,000, Deduct	*-114.26*	
		For >5,000, Deduct	*-189.54*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,044.47	
		For Up To >10, Add	*675.94*	
		For >10 To 25, Add	*399.45*	
		For >25 To 50, Add	*288.82*	
		For >50 To 100, Add	*144.41*	
		For >500 To 1,000, Deduct	*-53.76*	
		For >1,000 To 2,000, Deduct	*-81.41*	
		For >2,000 To 5,000, Deduct	*-133.33*	
		For >5,000, Deduct	*-221.19*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,197.62	
		For Up To >10, Add	*778.31*	
		For >10 To 25, Add	*460.96*	
		For >25 To 50, Add	*332.86*	
		For >50 To 100, Add	*166.43*	
		For >500 To 1,000, Deduct	*-61.68*	
		For >1,000 To 2,000, Deduct	*-93.41*	
		For >2,000 To 5,000, Deduct	*-153.05*	
		For >5,000, Deduct	*-253.88*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,349.64	
		For Up To >10, Add	*877.27*	
		For >10 To 25, Add	*519.62*	
		For >25 To 50, Add	*375.20*	
		For >50 To 100, Add	*187.60*	
		For >500 To 1,000, Deduct	*-69.51*	
		For >1,000 To 2,000, Deduct	*-105.27*	
		For >2,000 To 5,000, Deduct	*-172.48*	
		For >5,000, Deduct	*-286.12*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,501.50	
		For Up To >10, Add	*975.75*	
		For >10 To 25, Add	*577.88*	
		For >25 To 50, Add	*417.30*	
		For >50 To 100, Add	*208.65*	
		For >500 To 1,000, Deduct	*-77.33*	
		For >1,000 To 2,000, Deduct	*-117.11*	
		For >2,000 To 5,000, Deduct	*-191.88*	
		For >5,000, Deduct	*-318.30*	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,654.01	
		For Up To >10, Add	*1,076.18*	
		For >10 To 25, Add	*637.76*	
		For >25 To 50, Add	*460.37*	
		For >50 To 100, Add	*230.19*	
		For >500 To 1,000, Deduct	*-85.19*	
		For >1,000 To 2,000, Deduct	*-129.03*	
		For >2,000 To 5,000, Deduct	*-211.44*	
		For >5,000, Deduct	*-350.74*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,806.02	
		For Up To >10, Add	*1,175.14*	
		For >10 To 25, Add	*696.42*	
		For >25 To 50, Add	*502.71*	
		For >50 To 100, Add	*251.35*	
		For >500 To 1,000, Deduct	*-93.02*	
		For >1,000 To 2,000, Deduct	*-140.89*	
		For >2,000 To 5,000, Deduct	*-230.87*	
		For >5,000, Deduct	*-382.97*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	478.03	
		For Up To >10, Add	*323.04*	
		For >10 To 25, Add	*195.13*	
		For >25 To 50, Add	*139.30*	
		For >50 To 100, Add	*69.65*	
		For >500 To 1,000, Deduct	*-24.74*	
		For >1,000 To 2,000, Deduct	*-37.53*	
		For >2,000 To 5,000, Deduct	*-61.73*	
		For >5,000, Deduct	*-102.33*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	558.18	
		For Up To >10, Add	*370.07*	
		For >10 To 25, Add	*221.42*	
		For >25 To 50, Add	*158.94*	
		For >50 To 100, Add	*79.47*	
		For >500 To 1,000, Deduct	*-28.82*	
		For >1,000 To 2,000, Deduct	*-43.68*	
		For >2,000 To 5,000, Deduct	*-71.71*	
		For >5,000, Deduct	*-118.91*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	638.83	
		For Up To >10, Add	*418.59*	
		For >10 To 25, Add	*248.97*	
		For >25 To 50, Add	*179.34*	
		For >50 To 100, Add	*89.67*	
		For >500 To 1,000, Deduct	*-32.93*	
		For >1,000 To 2,000, Deduct	*-49.90*	
		For >2,000 To 5,000, Deduct	*-81.82*	
		For >5,000, Deduct	*-135.70*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	719.81	
		For Up To >10, Add	*468.11*	
		For >10 To 25, Add	*277.33*	
		For >25 To 50, Add	*200.23*	
		For >50 To 100, Add	*100.11*	
		For >500 To 1,000, Deduct	*-37.07*	
		For >1,000 To 2,000, Deduct	*-56.15*	
		For >2,000 To 5,000, Deduct	*-92.00*	
		For >5,000, Deduct	*-152.62*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	802.09	
		For Up To >10, Add	*521.52*	
		For >10 To 25, Add	*308.95*	
		For >25 To 50, Add	*223.07*	
		For >50 To 100, Add	*111.53*	
		For >500 To 1,000, Deduct	*-41.31*	
		For >1,000 To 2,000, Deduct	*-62.57*	
		For >2,000 To 5,000, Deduct	*-102.52*	
		For >5,000, Deduct	*-170.06*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	965.36	
		For Up To >10, Add	*624.48*	
		For >10 To 25, Add	*368.96*	
		For >25 To 50, Add	*266.81*	
		For >50 To 100, Add	*133.40*	
		For >500 To 1,000, Deduct	*-49.69*	
		For >1,000 To 2,000, Deduct	*-75.24*	
		For >2,000 To 5,000, Deduct	*-123.22*	
		For >5,000, Deduct	*-204.42*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,129.12	
		For Up To >10, Add	*728.91*	
		For >10 To 25, Add	*430.20*	
		For >25 To 50, Add	*311.29*	
		For >50 To 100, Add	*155.64*	
		For >500 To 1,000, Deduct	*-58.10*	
		For >1,000 To 2,000, Deduct	*-87.97*	
		For >2,000 To 5,000, Deduct	*-144.04*	
		For >5,000, Deduct	*-238.97*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,294.02	
		For Up To >10, Add	*836.76*	
		For >10 To 25, Add	*494.28*	
		For >25 To 50, Add	*357.47*	
		For >50 To 100, Add	*178.74*	
		For >500 To 1,000, Deduct	*-66.60*	
		For >1,000 To 2,000, Deduct	*-100.85*	
		For >2,000 To 5,000, Deduct	*-165.15*	
		For >5,000, Deduct	*-273.98*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,458.43	
		For Up To >10, Add	*943.14*	
		For >10 To 25, Add	*557.14*	
		For >25 To 50, Add	*402.93*	
		For >50 To 100, Add	*201.46*	
		For >500 To 1,000, Deduct	*-75.06*	
		For >1,000 To 2,000, Deduct	*-113.66*	
		For >2,000 To 5,000, Deduct	*-186.14*	
		For >5,000, Deduct	*-308.80*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,622.84	
		For Up To >10, Add	*1,049.52*	
		For >10 To 25, Add	*620.00*	
		For >25 To 50, Add	*448.38*	
		For >50 To 100, Add	*224.19*	
		For >500 To 1,000, Deduct	*-83.52*	
		For >1,000 To 2,000, Deduct	*-126.48*	
		For >2,000 To 5,000, Deduct	*-207.12*	
		For >5,000, Deduct	*-343.62*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,789.23	
		For Up To >10, Add	*1,161.84*	
		For >10 To 25, Add	*687.81*	
		For >25 To 50, Add	*496.80*	
		For >50 To 100, Add	*248.40*	
		For >500 To 1,000, Deduct	*-92.13*	
		For >1,000 To 2,000, Deduct	*-139.54*	
		For >2,000 To 5,000, Deduct	*-228.60*	
		For >5,000, Deduct	*-379.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,953.79	
		For Up To >10, Add	*1,268.70*	
		For >10 To 25, Add	*751.07*	
		For >25 To 50, Add	*542.49*	
		For >50 To 100, Add	*271.25*	
		For >500 To 1,000, Deduct	*-100.61*	
		For >1,000 To 2,000, Deduct	*-152.37*	
		For >2,000 To 5,000, Deduct	*-249.63*	
		For >5,000, Deduct	*-414.10*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	511.71	
		For Up To >10, Add	*342.73*	
		For >10 To 25, Add	*206.12*	
		For >25 To 50, Add	*147.52*	
		For >50 To 100, Add	*73.76*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000 To 2,000, Deduct	*-40.12*	
		For >2,000 To 5,000, Deduct	*-65.92*	
		For >5,000, Deduct	*-109.29*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	597.99	
		For Up To >10, Add	*393.25*	
		For >10 To 25, Add	*234.32*	
		For >25 To 50, Add	*168.61*	
		For >50 To 100, Add	*84.30*	
		For >500 To 1,000, Deduct	*-30.84*	
		For >1,000 To 2,000, Deduct	*-46.73*	
		For >2,000 To 5,000, Deduct	*-76.66*	
		For >5,000, Deduct	*-127.14*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	684.75	
		For Up To >10, Add	*445.23*	
		For >10 To 25, Add	*263.75*	
		For >25 To 50, Add	*190.43*	
		For >50 To 100, Add	*95.22*	
		For >500 To 1,000, Deduct	*-35.27*	
		For >1,000 To 2,000, Deduct	*-53.41*	
		For >2,000 To 5,000, Deduct	*-87.52*	
		For >5,000, Deduct	*-145.18*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	771.36	
		For Up To >10, Add	*496.76*	
		For >10 To 25, Add	*292.81*	
		For >25 To 50, Add	*212.03*	
		For >50 To 100, Add	*106.02*	
		For >500 To 1,000, Deduct	*-39.68*	
		For >1,000 To 2,000, Deduct	*-60.07*	
		For >2,000 To 5,000, Deduct	*-98.34*	
		For >5,000, Deduct	*-163.16*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	859.76	
		For Up To >10, Add	*553.66*	
		For >10 To 25, Add	*326.34*	
		For >25 To 50, Add	*236.32*	
		For >50 To 100, Add	*118.16*	
		For >500 To 1,000, Deduct	*-44.23*	
		For >1,000 To 2,000, Deduct	*-66.96*	
		For >2,000 To 5,000, Deduct	*-109.61*	
		For >5,000, Deduct	*-181.85*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,036.57	
		For Up To >10, Add	*667.46*	
		For >10 To 25, Add	*393.40*	
		For >25 To 50, Add	*284.89*	
		For >50 To 100, Add	*142.44*	
		For >500 To 1,000, Deduct	*-53.32*	
		For >1,000 To 2,000, Deduct	*-80.73*	
		For >2,000 To 5,000, Deduct	*-132.15*	
		For >5,000, Deduct	*-219.25*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,213.38	
		For Up To >10, Add	*781.29*	
		For >10 To 25, Add	*460.49*	
		For >25 To 50, Add	*333.47*	
		For >50 To 100, Add	*166.73*	
		For >500 To 1,000, Deduct	*-62.42*	
		For >1,000 To 2,000, Deduct	*-94.50*	
		For >2,000 To 5,000, Deduct	*-154.68*	
		For >5,000, Deduct	*-256.64*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,390.18	
		For Up To >10, Add	*895.09*	
		For >10 To 25, Add	*527.55*	
		For >25 To 50, Add	*382.04*	
		For >50 To 100, Add	*191.02*	
		For >500 To 1,000, Deduct	*-71.51*	
		For >1,000 To 2,000, Deduct	*-108.26*	
		For >2,000 To 5,000, Deduct	*-177.22*	
		For >5,000, Deduct	*-294.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,566.98	
		For Up To >10, Add	*1,008.89*	
		For >10 To 25, Add	*594.61*	
		For >25 To 50, Add	*430.60*	
		For >50 To 100, Add	*215.30*	
		For >500 To 1,000, Deduct	*-80.60*	
		For >1,000 To 2,000, Deduct	*-122.03*	
		For >2,000 To 5,000, Deduct	*-199.76*	
		For >5,000, Deduct	*-331.43*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,743.79	
		For Up To >10, Add	*1,122.72*	
		For >10 To 25, Add	*661.69*	
		For >25 To 50, Add	*479.19*	
		For >50 To 100, Add	*239.59*	
		For >500 To 1,000, Deduct	*-89.70*	
		For >1,000 To 2,000, Deduct	*-135.80*	
		For >2,000 To 5,000, Deduct	*-222.30*	
		For >5,000, Deduct	*-368.82*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,924.21	
		For Up To >10, Add	*1,247.36*	
		For >10 To 25, Add	*737.78*	
		For >25 To 50, Add	*533.17*	
		For >50 To 100, Add	*266.59*	
		For >500 To 1,000, Deduct	*-99.06*	
		For >1,000 To 2,000, Deduct	*-150.02*	
		For >2,000 To 5,000, Deduct	*-245.74*	
		For >5,000, Deduct	*-407.66*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,101.35	
		For Up To >10, Add	*1,362.15*	
		For >10 To 25, Add	*805.67*	
		For >25 To 50, Add	*582.24*	
		For >50 To 100, Add	*291.12*	
		For >500 To 1,000, Deduct	*-108.18*	
		For >1,000 To 2,000, Deduct	*-163.83*	
		For >2,000 To 5,000, Deduct	*-268.36*	
		For >5,000, Deduct	*-445.19*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	545.02	
		For Up To >10, Add	*361.86*	
		For >10 To 25, Add	*216.67*	
		For >25 To 50, Add	*155.47*	
		For >50 To 100, Add	*77.73*	
		For >500 To 1,000, Deduct	*-28.14*	
		For >1,000 To 2,000, Deduct	*-42.66*	
		For >2,000 To 5,000, Deduct	*-70.05*	
		For >5,000, Deduct	*-116.15*	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	637.24	
		For Up To >10, Add	*415.35*	
		For >10 To 25, Add	*246.36*	
		For >25 To 50, Add	*177.75*	
		For >50 To 100, Add	*88.87*	
		For >500 To 1,000, Deduct	*-32.83*	
		For >1,000 To 2,000, Deduct	*-49.73*	
		For >2,000 To 5,000, Deduct	*-81.50*	
		For >5,000, Deduct	*-135.19*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	730.45	
		For Up To >10, Add	*471.78*	
		For >10 To 25, Add	*278.51*	
		For >25 To 50, Add	*201.50*	
		For >50 To 100, Add	*100.75*	
		For >500 To 1,000, Deduct	*-37.59*	
		For >1,000 To 2,000, Deduct	*-56.91*	
		For >2,000 To 5,000, Deduct	*-93.19*	
		For >5,000, Deduct	*-154.61*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	824.15	
		For Up To >10, Add	*529.70*	
		For >10 To 25, Add	*311.90*	
		For >25 To 50, Add	*226.00*	
		For >50 To 100, Add	*113.00*	
		For >500 To 1,000, Deduct	*-42.38*	
		For >1,000 To 2,000, Deduct	*-64.16*	
		For >2,000 To 5,000, Deduct	*-105.01*	
		For >5,000, Deduct	*-174.24*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	918.83	
		For Up To >10, Add	*590.57*	
		For >10 To 25, Add	*347.74*	
		For >25 To 50, Add	*251.96*	
		For >50 To 100, Add	*125.98*	
		For >500 To 1,000, Deduct	*-47.25*	
		For >1,000 To 2,000, Deduct	*-71.54*	
		For >2,000 To 5,000, Deduct	*-117.08*	
		For >5,000, Deduct	*-194.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,108.19	
		For Up To >10, Add	*712.30*	
		For >10 To 25, Add	*419.43*	
		For >25 To 50, Add	*303.90*	
		For >50 To 100, Add	*151.95*	
		For >500 To 1,000, Deduct	*-56.99*	
		For >1,000 To 2,000, Deduct	*-86.28*	
		For >2,000 To 5,000, Deduct	*-141.21*	
		For >5,000, Deduct	*-234.29*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,297.56	
		For Up To >10, Add	*834.03*	
		For >10 To 25, Add	*491.12*	
		For >25 To 50, Add	*355.84*	
		For >50 To 100, Add	*177.92*	
		For >500 To 1,000, Deduct	*-66.73*	
		For >1,000 To 2,000, Deduct	*-101.02*	
		For >2,000 To 5,000, Deduct	*-165.34*	
		For >5,000, Deduct	*-274.33*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,486.93	
		For Up To >10, Add	*955.77*	
		For >10 To 25, Add	*562.80*	
		For >25 To 50, Add	*407.78*	
		For >50 To 100, Add	*203.89*	
		For >500 To 1,000, Deduct	*-76.47*	
		For >1,000 To 2,000, Deduct	*-115.77*	
		For >2,000 To 5,000, Deduct	*-189.47*	
		For >5,000, Deduct	*-314.37*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,676.29	
		For Up To >10, Add	*1,077.50*	
		For >10 To 25, Add	*634.49*	
		For >25 To 50, Add	*459.72*	
		For >50 To 100, Add	*229.86*	
		For >500 To 1,000, Deduct	*-86.21*	
		For >1,000 To 2,000, Deduct	*-130.51*	
		For >2,000 To 5,000, Deduct	*-213.60*	
		For >5,000, Deduct	*-354.41*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,865.65	
		For Up To >10, Add	*1,199.20*	
		For >10 To 25, Add	*706.15*	
		For >25 To 50, Add	*511.65*	
		For >50 To 100, Add	*255.82*	
		For >500 To 1,000, Deduct	*-95.95*	
		For >1,000 To 2,000, Deduct	*-145.25*	
		For >2,000 To 5,000, Deduct	*-237.73*	
		For >5,000, Deduct	*-394.44*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,058.80	
		For Up To >10, Add	*1,332.28*	
		For >10 To 25, Add	*787.29*	
		For >25 To 50, Add	*569.26*	
		For >50 To 100, Add	*284.63*	
		For >500 To 1,000, Deduct	*-105.97*	
		For >1,000 To 2,000, Deduct	*-160.47*	
		For >2,000 To 5,000, Deduct	*-262.81*	
		For >5,000, Deduct	*-435.99*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,248.48	
		For Up To >10, Add	*1,454.97*	
		For >10 To 25, Add	*859.77*	
		For >25 To 50, Add	*621.67*	
		For >50 To 100, Add	*310.84*	
		For >500 To 1,000, Deduct	*-115.73*	
		For >1,000 To 2,000, Deduct	*-175.25*	
		For >2,000 To 5,000, Deduct	*-287.02*	
		For >5,000, Deduct	*-476.15*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	577.91	
		For Up To >10, Add	*380.36*	
		For >10 To 25, Add	*226.74*	
		For >25 To 50, Add	*163.11*	
		For >50 To 100, Add	*81.56*	
		For >500 To 1,000, Deduct	*-29.81*	
		For >1,000 To 2,000, Deduct	*-45.17*	
		For >2,000 To 5,000, Deduct	*-74.10*	
		For >5,000, Deduct	*-122.89*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	676.09	
		For Up To >10, Add	*436.82*	
		For >10 To 25, Add	*257.92*	
		For >25 To 50, Add	*186.58*	
		For >50 To 100, Add	*93.29*	
		For >500 To 1,000, Deduct	*-34.79*	
		For >1,000 To 2,000, Deduct	*-52.68*	
		For >2,000 To 5,000, Deduct	*-86.27*	
		For >5,000, Deduct	*-143.12*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	775.73	
		For Up To >10, Add	*497.69*	
		For >10 To 25, Add	*292.78*	
		For >25 To 50, Add	*212.26*	
		For >50 To 100, Add	*106.13*	
		For >500 To 1,000, Deduct	*-39.88*	
		For >1,000 To 2,000, Deduct	*-60.38*	
		For >2,000 To 5,000, Deduct	*-98.80*	
		For >5,000, Deduct	*-163.93*	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	876.69	
		For Up To >10, Add	*562.52*	
		For >10 To 25, Add	*330.93*	
		For >25 To 50, Add	*239.91*	
		For >50 To 100, Add	*119.95*	
		For >500 To 1,000, Deduct	*-45.08*	
		For >1,000 To 2,000, Deduct	*-68.24*	
		For >2,000 To 5,000, Deduct	*-111.66*	
		For >5,000, Deduct	*-185.27*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	977.66	
		For Up To >10, Add	*627.36*	
		For >10 To 25, Add	*369.09*	
		For >25 To 50, Add	*267.57*	
		For >50 To 100, Add	*133.78*	
		For >500 To 1,000, Deduct	*-50.27*	
		For >1,000 To 2,000, Deduct	*-76.10*	
		For >2,000 To 5,000, Deduct	*-124.52*	
		For >5,000, Deduct	*-206.61*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,179.59	
		For Up To >10, Add	*757.00*	
		For >10 To 25, Add	*445.38*	
		For >25 To 50, Add	*322.86*	
		For >50 To 100, Add	*161.43*	
		For >500 To 1,000, Deduct	*-60.65*	
		For >1,000 To 2,000, Deduct	*-91.81*	
		For >2,000 To 5,000, Deduct	*-150.25*	
		For >5,000, Deduct	*-249.29*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,428.37	
		For Up To >10, Add	*909.66*	
		For >10 To 25, Add	*533.02*	
		For >25 To 50, Add	*387.32*	
		For >50 To 100, Add	*193.66*	
		For >500 To 1,000, Deduct	*-73.37*	
		For >1,000 To 2,000, Deduct	*-111.04*	
		For >2,000 To 5,000, Deduct	*-181.57*	
		For >5,000, Deduct	*-301.31*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,583.27	
		For Up To >10, Add	*1,015.81*	
		For >10 To 25, Add	*597.58*	
		For >25 To 50, Add	*433.23*	
		For >50 To 100, Add	*216.61*	
		For >500 To 1,000, Deduct	*-81.41*	
		For >1,000 To 2,000, Deduct	*-123.23*	
		For >2,000 To 5,000, Deduct	*-201.65*	
		For >5,000, Deduct	*-334.59*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,785.20	
		For Up To >10, Add	*1,145.48*	
		For >10 To 25, Add	*673.89*	
		For >25 To 50, Add	*488.54*	
		For >50 To 100, Add	*244.27*	
		For >500 To 1,000, Deduct	*-91.79*	
		For >1,000 To 2,000, Deduct	*-138.95*	
		For >2,000 To 5,000, Deduct	*-227.37*	
		For >5,000, Deduct	*-377.27*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,987.11	
		For Up To >10, Add	*1,275.11*	
		For >10 To 25, Add	*750.17*	
		For >25 To 50, Add	*543.83*	
		For >50 To 100, Add	*271.91*	
		For >500 To 1,000, Deduct	*-102.17*	
		For >1,000 To 2,000, Deduct	*-154.66*	
		For >2,000 To 5,000, Deduct	*-253.09*	
		For >5,000, Deduct	*-419.95*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,192.98	
		For Up To >10, Add	*1,416.57*	
		For >10 To 25, Add	*836.31*	
		For >25 To 50, Add	*605.04*	
		For >50 To 100, Add	*302.52*	
		For >500 To 1,000, Deduct	*-112.85*	
		For >1,000 To 2,000, Deduct	*-170.88*	
		For >2,000 To 5,000, Deduct	*-279.80*	
		For >5,000, Deduct	*-464.20*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,395.24	
		For Up To >10, Add	*1,547.22*	
		For >10 To 25, Add	*913.45*	
		For >25 To 50, Add	*660.84*	
		For >50 To 100, Add	*330.42*	
		For >500 To 1,000, Deduct	*-123.26*	
		For >1,000 To 2,000, Deduct	*-186.64*	
		For >2,000 To 5,000, Deduct	*-305.61*	
		For >5,000, Deduct	*-507.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,597.49	
		For Up To >10, Add	*1,677.85*	
		For >10 To 25, Add	*990.56*	
		For >25 To 50, Add	*716.63*	
		For >50 To 100, Add	*358.32*	
		For >500 To 1,000, Deduct	*-133.67*	
		For >1,000 To 2,000, Deduct	*-202.39*	
		For >2,000 To 5,000, Deduct	*-331.41*	
		For >5,000, Deduct	*-549.83*	
		For Vinylester Resin, Add	*1,712.10*	
		For Epoxy Resin, Add	*201.78*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,799.75	
		For Up To >10, Add	*1,808.50*	
		For >10 To 25, Add	*1,067.70*	
		For >25 To 50, Add	*772.44*	
		For >50 To 100, Add	*386.22*	
		For >500 To 1,000, Deduct	*-144.07*	
		For >1,000 To 2,000, Deduct	*-218.15*	
		For >2,000 To 5,000, Deduct	*-357.22*	
		For >5,000, Deduct	*-592.64*	
		For Vinylester Resin, Add	*1,845.41*	
		For Epoxy Resin, Add	*217.49*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	715.19	
		For Up To >10, Add	*459.65*	
		For >10 To 25, Add	*270.64*	
		For >25 To 50, Add	*196.10*	
		For >50 To 100, Add	*98.05*	
		For >500 To 1,000, Deduct	*-36.78*	
		For >1,000 To 2,000, Deduct	*-55.68*	
		For >2,000 To 5,000, Deduct	*-91.13*	
		For >5,000, Deduct	*-151.20*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	821.78	
		For Up To >10, Add	*526.47*	
		For >10 To 25, Add	*309.46*	
		For >25 To 50, Add	*224.46*	
		For >50 To 100, Add	*112.23*	
		For >500 To 1,000, Deduct	*-42.24*	
		For >1,000 To 2,000, Deduct	*-63.95*	
		For >2,000 To 5,000, Deduct	*-104.62*	
		For >5,000, Deduct	*-173.60*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	929.03	
		For Up To >10, Add	*595.27*	
		For >10 To 25, Add	*349.93*	
		For >25 To 50, Add	*253.80*	
		For >50 To 100, Add	*126.90*	
		For >500 To 1,000, Deduct	*-47.76*	
		For >1,000 To 2,000, Deduct	*-72.29*	
		For >2,000 To 5,000, Deduct	*-118.28*	
		For >5,000, Deduct	*-196.27*	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,036.09	
		For Up To >10, Add	*663.52*	
		For >10 To 25, Add	*389.95*	
		For >25 To 50, Add	*282.87*	
		For >50 To 100, Add	*141.43*	
		For >500 To 1,000, Deduct	*-53.26*	
		For >1,000 To 2,000, Deduct	*-80.62*	
		For >2,000 To 5,000, Deduct	*-131.90*	
		For >5,000, Deduct	*-218.86*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,250.57	
		For Up To >10, Add	*801.09*	
		For >10 To 25, Add	*470.86*	
		For >25 To 50, Add	*341.53*	
		For >50 To 100, Add	*170.77*	
		For >500 To 1,000, Deduct	*-64.29*	
		For >1,000 To 2,000, Deduct	*-97.31*	
		For >2,000 To 5,000, Deduct	*-159.21*	
		For >5,000, Deduct	*-264.18*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,464.91	
		For Up To >10, Add	*938.21*	
		For >10 To 25, Add	*551.40*	
		For >25 To 50, Add	*399.97*	
		For >50 To 100, Add	*199.99*	
		For >500 To 1,000, Deduct	*-75.30*	
		For >1,000 To 2,000, Deduct	*-113.98*	
		For >2,000 To 5,000, Deduct	*-186.49*	
		For >5,000, Deduct	*-309.44*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,679.39	
		For Up To >10, Add	*1,075.77*	
		For >10 To 25, Add	*632.32*	
		For >25 To 50, Add	*458.64*	
		For >50 To 100, Add	*229.32*	
		For >500 To 1,000, Deduct	*-86.33*	
		For >1,000 To 2,000, Deduct	*-130.68*	
		For >2,000 To 5,000, Deduct	*-213.80*	
		For >5,000, Deduct	*-354.76*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,893.71	
		For Up To >10, Add	*1,212.86*	
		For >10 To 25, Add	*712.83*	
		For >25 To 50, Add	*517.06*	
		For >50 To 100, Add	*258.53*	
		For >500 To 1,000, Deduct	*-97.35*	
		For >1,000 To 2,000, Deduct	*-147.35*	
		For >2,000 To 5,000, Deduct	*-241.08*	
		For >5,000, Deduct	*-400.02*	
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,108.20	
		For Up To >10, Add	*1,350.43*	
		For >10 To 25, Add	*793.74*	
		For >25 To 50, Add	*575.73*	
		For >50 To 100, Add	*287.86*	
		For >500 To 1,000, Deduct	*-108.37*	
		For >1,000 To 2,000, Deduct	*-164.04*	
		For >2,000 To 5,000, Deduct	*-268.39*	
		For >5,000, Deduct	*-445.35*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,327.92	
		For Up To >10, Add	*1,503.71*	
		For >10 To 25, Add	*887.76*	
		For >25 To 50, Add	*642.25*	
		For >50 To 100, Add	*321.13*	
		For >500 To 1,000, Deduct	*-119.79*	
		For >1,000 To 2,000, Deduct	*-181.39*	
		For >2,000 To 5,000, Deduct	*-297.02*	
		For >5,000, Deduct	*-492.76*	
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,542.90	
		For Up To >10, Add	*1,642.78*	
		For >10 To 25, Add	*969.92*	
		For >25 To 50, Add	*701.67*	
		For >50 To 100, Add	*350.83*	
		For >500 To 1,000, Deduct	*-130.86*	
		For >1,000 To 2,000, Deduct	*-198.14*	
		For >2,000 To 5,000, Deduct	*-324.46*	
		For >5,000, Deduct	*-538.29*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,757.70	
		For Up To >10, Add	*1,781.30*	
		For >10 To 25, Add	*1,051.63*	
		For >25 To 50, Add	*760.81*	
		For >50 To 100, Add	*380.41*	
		For >500 To 1,000, Deduct	*-141.91*	
		For >1,000 To 2,000, Deduct	*-214.88*	
		For >2,000 To 5,000, Deduct	*-351.85*	
		For >5,000, Deduct	*-583.74*	
		For Vinylester Resin, Add	*1,817.70*	
		For Epoxy Resin, Add	*214.23*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,972.67	
		For Up To >10, Add	*1,920.34*	
		For >10 To 25, Add	*1,133.77*	
		For >25 To 50, Add	*820.21*	
		For >50 To 100, Add	*410.11*	
		For >500 To 1,000, Deduct	*-152.97*	
		For >1,000 To 2,000, Deduct	*-231.63*	
		For >2,000 To 5,000, Deduct	*-379.29*	
		For >5,000, Deduct	*-629.25*	
		For Vinylester Resin, Add	*1,959.35*	
		For Epoxy Resin, Add	*230.92*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	753.90	
		For Up To >10, Add	*481.88*	
		For >10 To 25, Add	*282.91*	
		For >25 To 50, Add	*205.34*	
		For >50 To 100, Add	*102.67*	
		For >500 To 1,000, Deduct	*-38.74*	
		For >1,000 To 2,000, Deduct	*-58.64*	
		For >2,000 To 5,000, Deduct	*-95.92*	
		For >5,000, Deduct	*-159.17*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	867.42	
		For Up To >10, Add	*554.61*	
		For >10 To 25, Add	*325.67*	
		For >25 To 50, Add	*236.35*	
		For >50 To 100, Add	*118.18*	
		For >500 To 1,000, Deduct	*-44.58*	
		For >1,000 To 2,000, Deduct	*-67.47*	
		For >2,000 To 5,000, Deduct	*-110.38*	
		For >5,000, Deduct	*-183.16*	
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	980.94	
		For Up To >10, Add	*627.35*	
		For >10 To 25, Add	*368.42*	
		For >25 To 50, Add	*267.36*	
		For >50 To 100, Add	*133.68*	
		For >500 To 1,000, Deduct	*-50.42*	
		For >1,000 To 2,000, Deduct	*-76.31*	
		For >2,000 To 5,000, Deduct	*-124.83*	
		For >5,000, Deduct	*-207.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,094.30	
		For Up To >10, Add	*699.60*	
		For >10 To 25, Add	*410.78*	
		For >25 To 50, Add	*298.13*	
		For >50 To 100, Add	*149.07*	
		For >500 To 1,000, Deduct	*-56.24*	
		For >1,000 To 2,000, Deduct	*-85.12*	
		For >2,000 To 5,000, Deduct	*-139.24*	
		For >5,000, Deduct	*-231.06*	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,321.18	
		For Up To >10, Add	*844.62*	
		For >10 To 25, Add	*495.92*	
		For >25 To 50, Add	*359.93*	
		For >50 To 100, Add	*179.96*	
		For >500 To 1,000, Deduct	*-67.90*	
		For >1,000 To 2,000, Deduct	*-102.77*	
		For >2,000 To 5,000, Deduct	*-168.11*	
		For >5,000, Deduct	*-278.96*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,548.22	
		For Up To >10, Add	*990.11*	
		For >10 To 25, Add	*581.46*	
		For >25 To 50, Add	*421.96*	
		For >50 To 100, Add	*210.98*	
		For >500 To 1,000, Deduct	*-79.57*	
		For >1,000 To 2,000, Deduct	*-120.44*	
		For >2,000 To 5,000, Deduct	*-197.02*	
		For >5,000, Deduct	*-326.92*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,775.11	
		For Up To >10, Add	*1,135.11*	
		For >10 To 25, Add	*666.57*	
		For >25 To 50, Add	*483.75*	
		For >50 To 100, Add	*241.87*	
		For >500 To 1,000, Deduct	*-91.23*	
		For >1,000 To 2,000, Deduct	*-138.08*	
		For >2,000 To 5,000, Deduct	*-225.89*	
		For >5,000, Deduct	*-374.83*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,001.98	
		For Up To >10, Add	*1,280.09*	
		For >10 To 25, Add	*751.69*	
		For >25 To 50, Add	*545.53*	
		For >50 To 100, Add	*272.76*	
		For >500 To 1,000, Deduct	*-102.89*	
		For >1,000 To 2,000, Deduct	*-155.73*	
		For >2,000 To 5,000, Deduct	*-254.75*	
		For >5,000, Deduct	*-422.72*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,228.86	
		For Up To >10, Add	*1,425.11*	
		For >10 To 25, Add	*836.82*	
		For >25 To 50, Add	*607.32*	
		For >50 To 100, Add	*303.66*	
		For >500 To 1,000, Deduct	*-114.55*	
		For >1,000 To 2,000, Deduct	*-173.38*	
		For >2,000 To 5,000, Deduct	*-283.62*	
		For >5,000, Deduct	*-470.63*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,462.62	
		For Up To >10, Add	*1,590.74*	
		For >10 To 25, Add	*939.14*	
		For >25 To 50, Add	*679.43*	
		For >50 To 100, Add	*339.71*	
		For >500 To 1,000, Deduct	*-126.73*	
		For >1,000 To 2,000, Deduct	*-191.89*	
		For >2,000 To 5,000, Deduct	*-314.20*	
		For >5,000, Deduct	*-521.28*	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,690.15	
		For Up To >10, Add	*1,737.70*	
		For >10 To 25, Add	*1,025.90*	
		For >25 To 50, Add	*742.20*	
		For >50 To 100, Add	*371.10*	
		For >500 To 1,000, Deduct	*-138.43*	
		For >1,000 To 2,000, Deduct	*-209.61*	
		For >2,000 To 5,000, Deduct	*-343.23*	
		For >5,000, Deduct	*-569.44*	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,917.69	
		For Up To >10, Add	*1,884.67*	
		For >10 To 25, Add	*1,112.67*	
		For >25 To 50, Add	*804.97*	
		For >50 To 100, Add	*402.48*	
		For >500 To 1,000, Deduct	*-150.14*	
		For >1,000 To 2,000, Deduct	*-227.34*	
		For >2,000 To 5,000, Deduct	*-372.27*	
		For >5,000, Deduct	*-617.60*	
		For Vinylester Resin, Add	*1,923.15*	
		For Epoxy Resin, Add	*226.66*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		3,145.21	
		For Up To >10, Add		*2,031.61*	
		For >10 To 25, Add		*1,199.40*	
		For >25 To 50, Add		*867.72*	
		For >50 To 100, Add		*433.86*	
		For >500 To 1,000, Deduct		*-161.85*	
		For >1,000 To 2,000, Deduct		*-245.07*	
		For >2,000 To 5,000, Deduct		*-401.29*	
		For >5,000, Deduct		*-665.76*	
		For Vinylester Resin, Add		*2,073.13*	
		For Epoxy Resin, Add		*244.33*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		912.51	
		For Up To >10, Add		*581.68*	
		For >10 To 25, Add		*341.01*	
		For >25 To 50, Add		*247.72*	
		For >50 To 100, Add		*123.86*	
		For >500 To 1,000, Deduct		*-46.88*	
		For >1,000 To 2,000, Deduct		*-70.95*	
		For >2,000 To 5,000, Deduct		*-116.02*	
		For >5,000, Deduct		*-192.54*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		1,032.30	
		For Up To >10, Add		*658.35*	
		For >10 To 25, Add		*386.06*	
		For >25 To 50, Add		*280.40*	
		For >50 To 100, Add		*140.20*	
		For >500 To 1,000, Deduct		*-53.04*	
		For >1,000 To 2,000, Deduct		*-80.27*	
		For >2,000 To 5,000, Deduct		*-131.27*	
		For >5,000, Deduct		*-217.84*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		1,151.94	
		For Up To >10, Add		*734.57*	
		For >10 To 25, Add		*430.73*	
		For >25 To 50, Add		*312.86*	
		For >50 To 100, Add		*156.43*	
		For >500 To 1,000, Deduct		*-59.18*	
		For >1,000 To 2,000, Deduct		*-89.57*	
		For >2,000 To 5,000, Deduct		*-146.48*	
		For >5,000, Deduct		*-243.08*	
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		1,458.06	
		For Up To >10, Add		*920.43*	
		For >10 To 25, Add		*536.78*	
		For >25 To 50, Add		*391.14*	
		For >50 To 100, Add		*195.57*	
		For >500 To 1,000, Deduct		*-74.82*	
		For >1,000 To 2,000, Deduct		*-113.18*	
		For >2,000 To 5,000, Deduct		*-184.92*	
		For >5,000, Deduct		*-306.92*	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		1,630.65	
		For Up To >10, Add		*1,039.93*	
		For >10 To 25, Add		*609.80*	
		For >25 To 50, Add		*442.92*	
		For >50 To 100, Add		*221.46*	
		For >500 To 1,000, Deduct		*-83.78*	
		For >1,000 To 2,000, Deduct		*-126.79*	
		For >2,000 To 5,000, Deduct		*-207.36*	
		For >5,000, Deduct		*-344.10*	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		1,869.94	
		For Up To >10, Add		*1,192.37*	
		For >10 To 25, Add		*699.15*	
		For >25 To 50, Add		*507.84*	
		For >50 To 100, Add		*253.92*	
		For >500 To 1,000, Deduct		*-96.07*	
		For >1,000 To 2,000, Deduct		*-145.39*	
		For >2,000 To 5,000, Deduct		*-237.78*	
		For >5,000, Deduct		*-394.58*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		2,109.19	
		For Up To >10, Add		*1,344.75*	
		For >10 To 25, Add		*788.43*	
		For >25 To 50, Add		*572.72*	
		For >50 To 100, Add		*286.36*	
		For >500 To 1,000, Deduct		*-108.36*	
		For >1,000 To 2,000, Deduct		*-163.99*	
		For >2,000 To 5,000, Deduct		*-268.19*	
		For >5,000, Deduct		*-445.05*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		2,348.47	
		For Up To >10, Add		*1,497.19*	
		For >10 To 25, Add		*877.77*	
		For >25 To 50, Add		*637.63*	
		For >50 To 100, Add		*318.81*	
		For >500 To 1,000, Deduct		*-120.65*	
		For >1,000 To 2,000, Deduct		*-182.59*	
		For >2,000 To 5,000, Deduct		*-298.61*	
		For >5,000, Deduct		*-495.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,594.96	
		For Up To >10, Add	*1,671.26*	
		For >10 To 25, Add	*985.14*	
		For >25 To 50, Add	*713.36*	
		For >50 To 100, Add	*356.68*	
		For >500 To 1,000, Deduct	*-133.49*	
		For >1,000 To 2,000, Deduct	*-202.10*	
		For >2,000 To 5,000, Deduct	*-330.83*	
		For >5,000, Deduct	*-548.89*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,834.89	
		For Up To >10, Add	*1,825.65*	
		For >10 To 25, Add	*1,076.10*	
		For >25 To 50, Add	*779.24*	
		For >50 To 100, Add	*389.62*	
		For >500 To 1,000, Deduct	*-145.83*	
		For >1,000 To 2,000, Deduct	*-220.78*	
		For >2,000 To 5,000, Deduct	*-361.41*	
		For >5,000, Deduct	*-599.63*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,074.97	
		For Up To >10, Add	*1,980.51*	
		For >10 To 25, Add	*1,167.47*	
		For >25 To 50, Add	*845.37*	
		For >50 To 100, Add	*422.68*	
		For >500 To 1,000, Deduct	*-158.18*	
		For >1,000 To 2,000, Deduct	*-239.48*	
		For >2,000 To 5,000, Deduct	*-392.03*	
		For >5,000, Deduct	*-650.44*	
		For Vinylester Resin, Add	*2,028.43*	
		For Epoxy Resin, Add	*239.07*	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,314.90	
		For Up To >10, Add	*2,134.90*	
		For >10 To 25, Add	*1,258.43*	
		For >25 To 50, Add	*911.25*	
		For >50 To 100, Add	*455.63*	
		For >500 To 1,000, Deduct	*-170.52*	
		For >1,000 To 2,000, Deduct	*-258.17*	
		For >2,000 To 5,000, Deduct	*-422.62*	
		For >5,000, Deduct	*-701.18*	
		For Vinylester Resin, Add	*2,186.74*	
		For Epoxy Resin, Add	*257.72*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	957.36	
		For Up To >10, Add	*608.61*	
		For >10 To 25, Add	*356.27*	
		For >25 To 50, Add	*259.03*	
		For >50 To 100, Add	*129.52*	
		For >500 To 1,000, Deduct	*-49.17*	
		For >1,000 To 2,000, Deduct	*-74.40*	
		For >2,000 To 5,000, Deduct	*-121.64*	
		For >5,000, Deduct	*-201.87*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,083.27	
		For Up To >10, Add	*688.76*	
		For >10 To 25, Add	*403.23*	
		For >25 To 50, Add	*293.16*	
		For >50 To 100, Add	*146.58*	
		For >500 To 1,000, Deduct	*-55.63*	
		For >1,000 To 2,000, Deduct	*-84.19*	
		For >2,000 To 5,000, Deduct	*-137.64*	
		For >5,000, Deduct	*-228.42*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,209.18	
		For Up To >10, Add	*768.94*	
		For >10 To 25, Add	*450.21*	
		For >25 To 50, Add	*327.30*	
		For >50 To 100, Add	*163.65*	
		For >500 To 1,000, Deduct	*-62.10*	
		For >1,000 To 2,000, Deduct	*-93.98*	
		For >2,000 To 5,000, Deduct	*-153.65*	
		For >5,000, Deduct	*-254.98*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,460.85	
		For Up To >10, Add	*928.80*	
		For >10 To 25, Add	*543.75*	
		For >25 To 50, Add	*395.33*	
		For >50 To 100, Add	*197.66*	
		For >500 To 1,000, Deduct	*-75.03*	
		For >1,000 To 2,000, Deduct	*-113.53*	
		For >2,000 To 5,000, Deduct	*-185.62*	
		For >5,000, Deduct	*-308.04*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,712.67	
		For Up To >10, Add	*1,089.11*	
		For >10 To 25, Add	*637.67*	
		For >25 To 50, Add	*463.58*	
		For >50 To 100, Add	*231.79*	
		For >500 To 1,000, Deduct	*-87.96*	
		For >1,000 To 2,000, Deduct	*-133.11*	
		For >2,000 To 5,000, Deduct	*-217.62*	
		For >5,000, Deduct	*-361.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,964.35	
		For Up To >10, Add	*1,248.98*	
		For >10 To 25, Add	*731.21*	
		For >25 To 50, Add	*531.61*	
		For >50 To 100, Add	*265.80*	
		For >500 To 1,000, Deduct	*-100.89*	
		For >1,000 To 2,000, Deduct	*-152.66*	
		For >2,000 To 5,000, Deduct	*-249.60*	
		For >5,000, Deduct	*-414.21*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,216.18	
		For Up To >10, Add	*1,409.32*	
		For >10 To 25, Add	*825.15*	
		For >25 To 50, Add	*599.87*	
		For >50 To 100, Add	*299.94*	
		For >500 To 1,000, Deduct	*-113.82*	
		For >1,000 To 2,000, Deduct	*-172.24*	
		For >2,000 To 5,000, Deduct	*-281.61*	
		For >5,000, Deduct	*-467.33*	
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,467.85	
		For Up To >10, Add	*1,569.18*	
		For >10 To 25, Add	*918.69*	
		For >25 To 50, Add	*667.90*	
		For >50 To 100, Add	*333.95*	
		For >500 To 1,000, Deduct	*-126.75*	
		For >1,000 To 2,000, Deduct	*-191.79*	
		For >2,000 To 5,000, Deduct	*-313.58*	
		For >5,000, Deduct	*-520.39*	
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,727.05	
		For Up To >10, Add	*1,751.63*	
		For >10 To 25, Add	*1,031.05*	
		For >25 To 50, Add	*747.22*	
		For >50 To 100, Add	*373.61*	
		For >500 To 1,000, Deduct	*-140.23*	
		For >1,000 To 2,000, Deduct	*-212.29*	
		For >2,000 To 5,000, Deduct	*-347.43*	
		For >5,000, Deduct	*-576.46*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,979.39	
		For Up To >10, Add	*1,913.47*	
		For >10 To 25, Add	*1,126.25*	
		For >25 To 50, Add	*816.24*	
		For >50 To 100, Add	*408.12*	
		For >500 To 1,000, Deduct	*-153.21*	
		For >1,000 To 2,000, Deduct	*-231.93*	
		For >2,000 To 5,000, Deduct	*-379.56*	
		For >5,000, Deduct	*-629.78*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,231.87	
		For Up To >10, Add	*2,075.79*	
		For >10 To 25, Add	*1,221.83*	
		For >25 To 50, Add	*885.50*	
		For >50 To 100, Add	*442.75*	
		For >500 To 1,000, Deduct	*-166.19*	
		For >1,000 To 2,000, Deduct	*-251.59*	
		For >2,000 To 5,000, Deduct	*-411.74*	
		For >5,000, Deduct	*-683.16*	
		For Vinylester Resin, Add	*2,133.55*	
		For Epoxy Resin, Add	*251.45*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,484.36	
		For Up To >10, Add	*2,238.08*	
		For >10 To 25, Add	*1,317.40*	
		For >25 To 50, Add	*954.74*	
		For >50 To 100, Add	*477.37*	
		For >500 To 1,000, Deduct	*-179.18*	
		For >1,000 To 2,000, Deduct	*-271.25*	
		For >2,000 To 5,000, Deduct	*-443.91*	
		For >5,000, Deduct	*-736.54*	
		For Vinylester Resin, Add	*2,300.20*	
		For Epoxy Resin, Add	*271.10*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,736.69	
		For Up To >10, Add	*2,399.92*	
		For >10 To 25, Add	*1,412.59*	
		For >25 To 50, Add	*1,023.76*	
		For >50 To 100, Add	*511.88*	
		For >500 To 1,000, Deduct	*-192.15*	
		For >1,000 To 2,000, Deduct	*-290.88*	
		For >2,000 To 5,000, Deduct	*-476.04*	
		For >5,000, Deduct	*-789.86*	
		For Vinylester Resin, Add	*2,466.84*	
		For Epoxy Resin, Add	*290.73*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,989.17	
		For Up To >10, Add	*2,562.21*	
		For >10 To 25, Add	*1,508.16*	
		For >25 To 50, Add	*1,093.00*	
		For >50 To 100, Add	*546.50*	
		For >500 To 1,000, Deduct	*-205.13*	
		For >1,000 To 2,000, Deduct	*-310.54*	
		For >2,000 To 5,000, Deduct	*-508.22*	
		For >5,000, Deduct	*-843.24*	
		For Vinylester Resin, Add	*2,633.48*	
		For Epoxy Resin, Add	*310.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0217		31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,001.97	
		For Up To >10, Add	*635.44*	
		For >10 To 25, Add	*371.50*	
		For >25 To 50, Add	*270.31*	
		For >50 To 100, Add	*135.15*	
		For >500 To 1,000, Deduct	*-51.44*	
		For >1,000 To 2,000, Deduct	*-77.84*	
		For >2,000 To 5,000, Deduct	*-127.23*	
		For >5,000, Deduct	*-211.15*	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,134.00	
		For Up To >10, Add	*719.05*	
		For >10 To 25, Add	*420.35*	
		For >25 To 50, Add	*305.87*	
		For >50 To 100, Add	*152.93*	
		For >500 To 1,000, Deduct	*-58.22*	
		For >1,000 To 2,000, Deduct	*-88.09*	
		For >2,000 To 5,000, Deduct	*-143.99*	
		For >5,000, Deduct	*-238.96*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,266.02	
		For Up To >10, Add	*802.69*	
		For >10 To 25, Add	*469.21*	
		For >25 To 50, Add	*341.44*	
		For >50 To 100, Add	*170.72*	
		For >500 To 1,000, Deduct	*-65.00*	
		For >1,000 To 2,000, Deduct	*-98.35*	
		For >2,000 To 5,000, Deduct	*-160.75*	
		For >5,000, Deduct	*-266.78*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,530.25	
		For Up To >10, Add	*970.45*	
		For >10 To 25, Add	*567.36*	
		For >25 To 50, Add	*412.82*	
		For >50 To 100, Add	*206.41*	
		For >500 To 1,000, Deduct	*-78.57*	
		For >1,000 To 2,000, Deduct	*-118.88*	
		For >2,000 To 5,000, Deduct	*-194.31*	
		For >5,000, Deduct	*-322.48*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,794.32	
		For Up To >10, Add	*1,137.74*	
		For >10 To 25, Add	*665.10*	
		For >25 To 50, Add	*483.96*	
		For >50 To 100, Add	*241.98*	
		For >500 To 1,000, Deduct	*-92.12*	
		For >1,000 To 2,000, Deduct	*-139.39*	
		For >2,000 To 5,000, Deduct	*-227.83*	
		For >5,000, Deduct	*-378.11*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,058.54	
		For Up To >10, Add	*1,305.50*	
		For >10 To 25, Add	*763.24*	
		For >25 To 50, Add	*555.35*	
		For >50 To 100, Add	*277.67*	
		For >500 To 1,000, Deduct	*-105.69*	
		For >1,000 To 2,000, Deduct	*-159.92*	
		For >2,000 To 5,000, Deduct	*-261.39*	
		For >5,000, Deduct	*-433.81*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,322.60	
		For Up To >10, Add	*1,472.78*	
		For >10 To 25, Add	*860.98*	
		For >25 To 50, Add	*626.49*	
		For >50 To 100, Add	*313.24*	
		For >500 To 1,000, Deduct	*-119.24*	
		For >1,000 To 2,000, Deduct	*-180.42*	
		For >2,000 To 5,000, Deduct	*-294.91*	
		For >5,000, Deduct	*-489.44*	
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,586.66	
		For Up To >10, Add	*1,640.03*	
		For >10 To 25, Add	*958.70*	
		For >25 To 50, Add	*697.62*	
		For >50 To 100, Add	*348.81*	
		For >500 To 1,000, Deduct	*-132.80*	
		For >1,000 To 2,000, Deduct	*-200.93*	
		For >2,000 To 5,000, Deduct	*-328.43*	
		For >5,000, Deduct	*-545.07*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,858.61	
		For Up To >10, Add	*1,830.96*	
		For >10 To 25, Add	*1,076.14*	
		For >25 To 50, Add	*780.58*	
		For >50 To 100, Add	*390.29*	
		For >500 To 1,000, Deduct	*-146.95*	
		For >1,000 To 2,000, Deduct	*-222.43*	
		For >2,000 To 5,000, Deduct	*-363.92*	
		For >5,000, Deduct	*-603.85*	
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,143.77	
		For Up To >10, Add	*2,011.21*	
		For >10 To 25, Add	*1,181.34*	
		For >25 To 50, Add	*857.20*	
		For >50 To 100, Add	*428.60*	
		For >500 To 1,000, Deduct	*-161.58*	
		For >1,000 To 2,000, Deduct	*-244.57*	
		For >2,000 To 5,000, Deduct	*-400.10*	
		For >5,000, Deduct	*-663.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,388.20	
		For Up To >10, Add	*2,169.93*	
		For >10 To 25, Add	*1,275.29*	
		For >25 To 50, Add	*925.07*	
		For >50 To 100, Add	*462.53*	
		For >500 To 1,000, Deduct	*-174.17*	
		For >1,000 To 2,000, Deduct	*-263.63*	
		For >2,000 To 5,000, Deduct	*-431.33*	
		For >5,000, Deduct	*-715.71*	
		For Vinylester Resin, Add	*2,238.51*	
		For Epoxy Resin, Add	*263.82*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,653.09	
		For Up To >10, Add	*2,339.67*	
		For >10 To 25, Add	*1,375.09*	
		For >25 To 50, Add	*997.44*	
		For >50 To 100, Add	*498.72*	
		For >500 To 1,000, Deduct	*-187.79*	
		For >1,000 To 2,000, Deduct	*-284.24*	
		For >2,000 To 5,000, Deduct	*-465.05*	
		For >5,000, Deduct	*-771.67*	
		For Vinylester Resin, Add	*2,413.49*	
		For Epoxy Resin, Add	*284.45*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,917.80	
		For Up To >10, Add	*2,508.90*	
		For >10 To 25, Add	*1,474.45*	
		For >25 To 50, Add	*1,069.56*	
		For >50 To 100, Add	*534.78*	
		For >500 To 1,000, Deduct	*-201.39*	
		For >1,000 To 2,000, Deduct	*-304.84*	
		For >2,000 To 5,000, Deduct	*-498.74*	
		For >5,000, Deduct	*-827.56*	
		For Vinylester Resin, Add	*2,588.46*	
		For Epoxy Resin, Add	*305.07*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,182.67	
		For Up To >10, Add	*2,678.61*	
		For >10 To 25, Add	*1,574.22*	
		For >25 To 50, Add	*1,141.92*	
		For >50 To 100, Add	*570.96*	
		For >500 To 1,000, Deduct	*-215.01*	
		For >1,000 To 2,000, Deduct	*-325.45*	
		For >2,000 To 5,000, Deduct	*-532.46*	
		For >5,000, Deduct	*-883.52*	
		For Vinylester Resin, Add	*2,763.43*	
		For Epoxy Resin, Add	*325.69*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,046.18	
		For Up To >10, Add	*661.62*	
		For >10 To 25, Add	*386.22*	
		For >25 To 50, Add	*281.27*	
		For >50 To 100, Add	*140.63*	
		For >500 To 1,000, Deduct	*-53.69*	
		For >1,000 To 2,000, Deduct	*-81.23*	
		For >2,000 To 5,000, Deduct	*-132.74*	
		For >5,000, Deduct	*-220.32*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,184.49	
		For Up To >10, Add	*749.22*	
		For >10 To 25, Add	*437.40*	
		For >25 To 50, Add	*318.53*	
		For >50 To 100, Add	*159.26*	
		For >500 To 1,000, Deduct	*-60.79*	
		For >1,000 To 2,000, Deduct	*-91.98*	
		For >2,000 To 5,000, Deduct	*-150.30*	
		For >5,000, Deduct	*-249.46*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,322.63	
		For Up To >10, Add	*836.32*	
		For >10 To 25, Add	*488.16*	
		For >25 To 50, Add	*355.53*	
		For >50 To 100, Add	*177.76*	
		For >500 To 1,000, Deduct	*-67.88*	
		For >1,000 To 2,000, Deduct	*-102.70*	
		For >2,000 To 5,000, Deduct	*-167.82*	
		For >5,000, Deduct	*-278.53*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,599.26	
		For Up To >10, Add	*1,011.51*	
		For >10 To 25, Add	*590.50*	
		For >25 To 50, Add	*430.03*	
		For >50 To 100, Add	*215.01*	
		For >500 To 1,000, Deduct	*-82.08*	
		For >1,000 To 2,000, Deduct	*-124.18*	
		For >2,000 To 5,000, Deduct	*-202.93*	
		For >5,000, Deduct	*-336.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,875.72	
		For Up To >10, Add	*1,186.24*	
		For >10 To 25, Add	*692.47*	
		For >25 To 50, Add	*504.30*	
		For >50 To 100, Add	*252.15*	
		For >500 To 1,000, Deduct	*-96.27*	
		For >1,000 To 2,000, Deduct	*-145.65*	
		For >2,000 To 5,000, Deduct	*-238.00*	
		For >5,000, Deduct	*-395.01*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,152.34	
		For Up To >10, Add	*1,361.42*	
		For >10 To 25, Add	*794.81*	
		For >25 To 50, Add	*578.80*	
		For >50 To 100, Add	*289.40*	
		For >500 To 1,000, Deduct	*-110.47*	
		For >1,000 To 2,000, Deduct	*-167.13*	
		For >2,000 To 5,000, Deduct	*-273.11*	
		For >5,000, Deduct	*-453.29*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,428.78	
		For Up To >10, Add	*1,536.09*	
		For >10 To 25, Add	*896.73*	
		For >25 To 50, Add	*653.04*	
		For >50 To 100, Add	*326.52*	
		For >500 To 1,000, Deduct	*-124.66*	
		For >1,000 To 2,000, Deduct	*-188.59*	
		For >2,000 To 5,000, Deduct	*-308.18*	
		For >5,000, Deduct	*-511.49*	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,705.26	
		For Up To >10, Add	*1,710.83*	
		For >10 To 25, Add	*998.70*	
		For >25 To 50, Add	*727.32*	
		For >50 To 100, Add	*363.66*	
		For >500 To 1,000, Deduct	*-138.85*	
		For >1,000 To 2,000, Deduct	*-210.06*	
		For >2,000 To 5,000, Deduct	*-343.26*	
		For >5,000, Deduct	*-569.71*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,989.74	
		For Up To >10, Add	*1,909.62*	
		For >10 To 25, Add	*1,120.71*	
		For >25 To 50, Add	*813.62*	
		For >50 To 100, Add	*406.81*	
		For >500 To 1,000, Deduct	*-153.63*	
		For >1,000 To 2,000, Deduct	*-232.53*	
		For >2,000 To 5,000, Deduct	*-380.34*	
		For >5,000, Deduct	*-631.13*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,267.51	
		For Up To >10, Add	*2,088.26*	
		For >10 To 25, Add	*1,225.93*	
		For >25 To 50, Add	*889.84*	
		For >50 To 100, Add	*444.92*	
		For >500 To 1,000, Deduct	*-167.92*	
		For >1,000 To 2,000, Deduct	*-254.15*	
		For >2,000 To 5,000, Deduct	*-415.74*	
		For >5,000, Deduct	*-689.86*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,544.13	
		For Up To >10, Add	*2,263.47*	
		For >10 To 25, Add	*1,328.29*	
		For >25 To 50, Add	*964.35*	
		For >50 To 100, Add	*482.18*	
		For >500 To 1,000, Deduct	*-182.12*	
		For >1,000 To 2,000, Deduct	*-275.64*	
		For >2,000 To 5,000, Deduct	*-450.85*	
		For >5,000, Deduct	*-748.14*	
		For Vinylester Resin, Add	*2,343.30*	
		For Epoxy Resin, Add	*276.17*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,821.41	
		For Up To >10, Add	*2,440.63*	
		For >10 To 25, Add	*1,432.29*	
		For >25 To 50, Add	*1,039.84*	
		For >50 To 100, Add	*519.92*	
		For >500 To 1,000, Deduct	*-196.37*	
		For >1,000 To 2,000, Deduct	*-297.20*	
		For >2,000 To 5,000, Deduct	*-486.13*	
		For >5,000, Deduct	*-806.68*	
		For Vinylester Resin, Add	*2,526.61*	
		For Epoxy Resin, Add	*297.78*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,098.69	
		For Up To >10, Add	*2,617.80*	
		For >10 To 25, Add	*1,536.28*	
		For >25 To 50, Add	*1,115.33*	
		For >50 To 100, Add	*557.67*	
		For >500 To 1,000, Deduct	*-210.62*	
		For >1,000 To 2,000, Deduct	*-318.77*	
		For >2,000 To 5,000, Deduct	*-521.40*	
		For >5,000, Deduct	*-865.21*	
		For Vinylester Resin, Add	*2,709.92*	
		For Epoxy Resin, Add	*319.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,375.96	
		For Up To >10, Add	*2,794.93*	
		For >10 To 25, Add	*1,640.25*	
		For >25 To 50, Add	*1,190.81*	
		For >50 To 100, Add	*595.40*	
		For >500 To 1,000, Deduct	*-224.87*	
		For >1,000 To 2,000, Deduct	*-340.34*	
		For >2,000 To 5,000, Deduct	*-556.68*	
		For >5,000, Deduct	*-923.75*	
		For Vinylester Resin, Add	*2,893.23*	
		For Epoxy Resin, Add	*340.99*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,234.25	
		For Up To >10, Add	*777.78*	
		For >10 To 25, Add	*453.15*	
		For >25 To 50, Add	*330.39*	
		For >50 To 100, Add	*165.19*	
		For >500 To 1,000, Deduct	*-63.32*	
		For >1,000 To 2,000, Deduct	*-95.78*	
		For >2,000 To 5,000, Deduct	*-156.46*	
		For >5,000, Deduct	*-259.70*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,378.67	
		For Up To >10, Add	*868.84*	
		For >10 To 25, Add	*506.22*	
		For >25 To 50, Add	*369.07*	
		For >50 To 100, Add	*184.54*	
		For >500 To 1,000, Deduct	*-70.73*	
		For >1,000 To 2,000, Deduct	*-106.99*	
		For >2,000 To 5,000, Deduct	*-174.77*	
		For >5,000, Deduct	*-290.09*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,667.53	
		For Up To >10, Add	*1,050.97*	
		For >10 To 25, Add	*612.36*	
		For >25 To 50, Add	*446.45*	
		For >50 To 100, Add	*223.23*	
		For >500 To 1,000, Deduct	*-85.55*	
		For >1,000 To 2,000, Deduct	*-129.41*	
		For >2,000 To 5,000, Deduct	*-211.40*	
		For >5,000, Deduct	*-350.88*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,956.22	
		For Up To >10, Add	*1,232.61*	
		For >10 To 25, Add	*718.11*	
		For >25 To 50, Add	*523.58*	
		For >50 To 100, Add	*261.79*	
		For >500 To 1,000, Deduct	*-100.36*	
		For >1,000 To 2,000, Deduct	*-151.81*	
		For >2,000 To 5,000, Deduct	*-247.98*	
		For >5,000, Deduct	*-411.60*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,245.08	
		For Up To >10, Add	*1,414.77*	
		For >10 To 25, Add	*824.27*	
		For >25 To 50, Add	*600.97*	
		For >50 To 100, Add	*300.49*	
		For >500 To 1,000, Deduct	*-115.18*	
		For >1,000 To 2,000, Deduct	*-174.23*	
		For >2,000 To 5,000, Deduct	*-284.61*	
		For >5,000, Deduct	*-472.39*	
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,533.76	
		For Up To >10, Add	*1,596.38*	
		For >10 To 25, Add	*929.99*	
		For >25 To 50, Add	*678.09*	
		For >50 To 100, Add	*339.05*	
		For >500 To 1,000, Deduct	*-129.98*	
		For >1,000 To 2,000, Deduct	*-196.62*	
		For >2,000 To 5,000, Deduct	*-321.19*	
		For >5,000, Deduct	*-533.11*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,822.62	
		For Up To >10, Add	*1,778.54*	
		For >10 To 25, Add	*1,036.16*	
		For >25 To 50, Add	*755.48*	
		For >50 To 100, Add	*377.74*	
		For >500 To 1,000, Deduct	*-144.80*	
		For >1,000 To 2,000, Deduct	*-219.04*	
		For >2,000 To 5,000, Deduct	*-357.81*	
		For >5,000, Deduct	*-593.90*	
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,119.50	
		For Up To >10, Add	*1,984.75*	
		For >10 To 25, Add	*1,162.38*	
		For >25 To 50, Add	*844.90*	
		For >50 To 100, Add	*422.45*	
		For >500 To 1,000, Deduct	*-160.23*	
		For >1,000 To 2,000, Deduct	*-242.46*	
		For >2,000 To 5,000, Deduct	*-396.44*	
		For >5,000, Deduct	*-657.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,409.34	
		For Up To >10, Add	*2,169.85*	
		For >10 To 25, Add	*1,270.99*	
		For >25 To 50, Add	*923.76*	
		For >50 To 100, Add	*461.88*	
		For >500 To 1,000, Deduct	*-175.12*	
		For >1,000 To 2,000, Deduct	*-265.00*	
		For >2,000 To 5,000, Deduct	*-433.31*	
		For >5,000, Deduct	*-719.08*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,695.89	
		For Up To >10, Add	*2,345.07*	
		For >10 To 25, Add	*1,371.39*	
		For >25 To 50, Add	*997.68*	
		For >50 To 100, Add	*498.84*	
		For >500 To 1,000, Deduct	*-189.77*	
		For >1,000 To 2,000, Deduct	*-287.13*	
		For >2,000 To 5,000, Deduct	*-469.36*	
		For >5,000, Deduct	*-778.95*	
		For Vinylester Resin, Add	*2,447.93*	
		For Epoxy Resin, Add	*288.51*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,988.19	
		For Up To >10, Add	*2,537.55*	
		For >10 To 25, Add	*1,486.15*	
		For >25 To 50, Add	*1,080.23*	
		For >50 To 100, Add	*540.12*	
		For >500 To 1,000, Deduct	*-204.84*	
		For >1,000 To 2,000, Deduct	*-309.98*	
		For >2,000 To 5,000, Deduct	*-506.84*	
		For >5,000, Deduct	*-841.11*	
		For Vinylester Resin, Add	*2,639.57*	
		For Epoxy Resin, Add	*311.09*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,277.70	
		For Up To >10, Add	*2,721.65*	
		For >10 To 25, Add	*1,593.95*	
		For >25 To 50, Add	*1,158.60*	
		For >50 To 100, Add	*579.30*	
		For >500 To 1,000, Deduct	*-219.71*	
		For >1,000 To 2,000, Deduct	*-332.48*	
		For >2,000 To 5,000, Deduct	*-543.63*	
		For >5,000, Deduct	*-902.16*	
		For Vinylester Resin, Add	*2,831.21*	
		For Epoxy Resin, Add	*333.68*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,567.20	
		For Up To >10, Add	*2,905.73*	
		For >10 To 25, Add	*1,701.71*	
		For >25 To 50, Add	*1,236.95*	
		For >50 To 100, Add	*618.47*	
		For >500 To 1,000, Deduct	*-234.58*	
		For >1,000 To 2,000, Deduct	*-354.98*	
		For >2,000 To 5,000, Deduct	*-580.41*	
		For >5,000, Deduct	*-963.21*	
		For Vinylester Resin, Add	*3,022.85*	
		For Epoxy Resin, Add	*356.26*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,283.79	
		For Up To >10, Add	*806.25*	
		For >10 To 25, Add	*468.86*	
		For >25 To 50, Add	*342.22*	
		For >50 To 100, Add	*171.11*	
		For >500 To 1,000, Deduct	*-65.83*	
		For >1,000 To 2,000, Deduct	*-99.57*	
		For >2,000 To 5,000, Deduct	*-162.60*	
		For >5,000, Deduct	*-269.91*	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,434.32	
		For Up To >10, Add	*900.76*	
		For >10 To 25, Add	*523.82*	
		For >25 To 50, Add	*382.34*	
		For >50 To 100, Add	*191.17*	
		For >500 To 1,000, Deduct	*-73.55*	
		For >1,000 To 2,000, Deduct	*-111.25*	
		For >2,000 To 5,000, Deduct	*-181.67*	
		For >5,000, Deduct	*-301.55*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,735.41	
		For Up To >10, Add	*1,089.83*	
		For >10 To 25, Add	*633.77*	
		For >25 To 50, Add	*462.59*	
		For >50 To 100, Add	*231.29*	
		For >500 To 1,000, Deduct	*-88.99*	
		For >1,000 To 2,000, Deduct	*-134.60*	
		For >2,000 To 5,000, Deduct	*-219.80*	
		For >5,000, Deduct	*-364.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,036.51	
		For Up To >10, Add	*1,278.93*	
		For >10 To 25, Add	*743.74*	
		For >25 To 50, Add	*542.85*	
		For >50 To 100, Add	*271.43*	
		For >500 To 1,000, Deduct	*-104.43*	
		For >1,000 To 2,000, Deduct	*-157.95*	
		For >2,000 To 5,000, Deduct	*-257.94*	
		For >5,000, Deduct	*-428.16*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,337.42	
		For Up To >10, Add	*1,467.49*	
		For >10 To 25, Add	*853.25*	
		For >25 To 50, Add	*622.85*	
		For >50 To 100, Add	*311.42*	
		For >500 To 1,000, Deduct	*-119.86*	
		For >1,000 To 2,000, Deduct	*-181.28*	
		For >2,000 To 5,000, Deduct	*-296.03*	
		For >5,000, Deduct	*-491.39*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,638.50	
		For Up To >10, Add	*1,656.55*	
		For >10 To 25, Add	*963.20*	
		For >25 To 50, Add	*703.10*	
		For >50 To 100, Add	*351.55*	
		For >500 To 1,000, Deduct	*-135.30*	
		For >1,000 To 2,000, Deduct	*-204.63*	
		For >2,000 To 5,000, Deduct	*-334.16*	
		For >5,000, Deduct	*-554.68*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,939.59	
		For Up To >10, Add	*1,845.62*	
		For >10 To 25, Add	*1,073.14*	
		For >25 To 50, Add	*783.35*	
		For >50 To 100, Add	*391.67*	
		For >500 To 1,000, Deduct	*-150.74*	
		For >1,000 To 2,000, Deduct	*-227.99*	
		For >2,000 To 5,000, Deduct	*-372.29*	
		For >5,000, Deduct	*-617.98*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,249.03	
		For Up To >10, Add	*2,059.77*	
		For >10 To 25, Add	*1,203.98*	
		For >25 To 50, Add	*876.14*	
		For >50 To 100, Add	*438.07*	
		For >500 To 1,000, Deduct	*-166.80*	
		For >1,000 To 2,000, Deduct	*-252.38*	
		For >2,000 To 5,000, Deduct	*-412.52*	
		For >5,000, Deduct	*-684.63*	
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,550.93	
		For Up To >10, Add	*2,251.29*	
		For >10 To 25, Add	*1,315.98*	
		For >25 To 50, Add	*957.62*	
		For >50 To 100, Add	*478.81*	
		For >500 To 1,000, Deduct	*-182.30*	
		For >1,000 To 2,000, Deduct	*-275.84*	
		For >2,000 To 5,000, Deduct	*-450.85*	
		For >5,000, Deduct	*-748.25*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,847.26	
		For Up To >10, Add	*2,426.08*	
		For >10 To 25, Add	*1,414.02*	
		For >25 To 50, Add	*1,030.73*	
		For >50 To 100, Add	*515.36*	
		For >500 To 1,000, Deduct	*-197.39*	
		For >1,000 To 2,000, Deduct	*-298.59*	
		For >2,000 To 5,000, Deduct	*-487.80*	
		For >5,000, Deduct	*-809.65*	
		For Vinylester Resin, Add	*2,552.40*	
		For Epoxy Resin, Add	*300.82*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,154.58	
		For Up To >10, Add	*2,633.87*	
		For >10 To 25, Add	*1,539.56*	
		For >25 To 50, Add	*1,120.34*	
		For >50 To 100, Add	*560.17*	
		For >500 To 1,000, Deduct	*-213.29*	
		For >1,000 To 2,000, Deduct	*-322.73*	
		For >2,000 To 5,000, Deduct	*-527.49*	
		For >5,000, Deduct	*-875.44*	
		For Vinylester Resin, Add	*2,752.37*	
		For Epoxy Resin, Add	*324.39*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,456.47	
		For Up To >10, Add	*2,825.36*	
		For >10 To 25, Add	*1,651.53*	
		For >25 To 50, Add	*1,201.80*	
		For >50 To 100, Add	*600.90*	
		For >500 To 1,000, Deduct	*-228.79*	
		For >1,000 To 2,000, Deduct	*-346.18*	
		For >2,000 To 5,000, Deduct	*-565.83*	
		For >5,000, Deduct	*-939.06*	
		For Vinylester Resin, Add	*2,952.33*	
		For Epoxy Resin, Add	*347.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,758.38	
		For Up To >10, Add	*3,016.89*	
		For >10 To 25, Add	*1,763.53*	
		For >25 To 50, Add	*1,283.28*	
		For >50 To 100, Add	*641.64*	
		For >500 To 1,000, Deduct	*-244.30*	
		For >1,000 To 2,000, Deduct	*-369.63*	
		For >2,000 To 5,000, Deduct	*-604.17*	
		For >5,000, Deduct	*-1,002.69*	
		For Vinylester Resin, Add	*3,152.31*	
		For Epoxy Resin, Add	*371.52*	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,060.12	
		For Up To >10, Add	*3,207.94*	
		For >10 To 25, Add	*1,875.12*	
		For >25 To 50, Add	*1,364.52*	
		For >50 To 100, Add	*682.26*	
		For >500 To 1,000, Deduct	*-259.78*	
		For >1,000 To 2,000, Deduct	*-393.07*	
		For >2,000 To 5,000, Deduct	*-642.46*	
		For >5,000, Deduct	*-1,066.25*	
		For Vinylester Resin, Add	*3,352.28*	
		For Epoxy Resin, Add	*395.09*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,362.02	
		For Up To >10, Add	*3,399.46*	
		For >10 To 25, Add	*1,987.11*	
		For >25 To 50, Add	*1,446.00*	
		For >50 To 100, Add	*723.00*	
		For >500 To 1,000, Deduct	*-275.29*	
		For >1,000 To 2,000, Deduct	*-416.52*	
		For >2,000 To 5,000, Deduct	*-680.80*	
		For >5,000, Deduct	*-1,129.88*	
		For Vinylester Resin, Add	*3,552.25*	
		For Epoxy Resin, Add	*418.66*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,489.58	
		For Up To >10, Add	*932.09*	
		For >10 To 25, Add	*540.97*	
		For >25 To 50, Add	*395.31*	
		For >50 To 100, Add	*197.66*	
		For >500 To 1,000, Deduct	*-76.35*	
		For >1,000 To 2,000, Deduct	*-115.46*	
		For >2,000 To 5,000, Deduct	*-188.49*	
		For >5,000, Deduct	*-312.90*	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,802.90	
		For Up To >10, Add	*1,128.10*	
		For >10 To 25, Add	*654.71*	
		For >25 To 50, Add	*478.44*	
		For >50 To 100, Add	*239.22*	
		For >500 To 1,000, Deduct	*-92.41*	
		For >1,000 To 2,000, Deduct	*-139.75*	
		For >2,000 To 5,000, Deduct	*-228.13*	
		For >5,000, Deduct	*-378.71*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,116.22	
		For Up To >10, Add	*1,324.11*	
		For >10 To 25, Add	*768.46*	
		For >25 To 50, Add	*561.56*	
		For >50 To 100, Add	*280.78*	
		For >500 To 1,000, Deduct	*-108.47*	
		For >1,000 To 2,000, Deduct	*-164.04*	
		For >2,000 To 5,000, Deduct	*-267.78*	
		For >5,000, Deduct	*-444.52*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,429.53	
		For Up To >10, Add	*1,520.12*	
		For >10 To 25, Add	*882.20*	
		For >25 To 50, Add	*644.69*	
		For >50 To 100, Add	*322.34*	
		For >500 To 1,000, Deduct	*-124.53*	
		For >1,000 To 2,000, Deduct	*-188.32*	
		For >2,000 To 5,000, Deduct	*-307.42*	
		For >5,000, Deduct	*-510.33*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,742.84	
		For Up To >10, Add	*1,716.10*	
		For >10 To 25, Add	*995.92*	
		For >25 To 50, Add	*727.80*	
		For >50 To 100, Add	*363.90*	
		For >500 To 1,000, Deduct	*-140.59*	
		For >1,000 To 2,000, Deduct	*-212.61*	
		For >2,000 To 5,000, Deduct	*-347.06*	
		For >5,000, Deduct	*-576.14*	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,056.15	
		For Up To >10, Add	*1,912.08*	
		For >10 To 25, Add	*1,109.64*	
		For >25 To 50, Add	*810.91*	
		For >50 To 100, Add	*405.46*	
		For >500 To 1,000, Deduct	*-156.65*	
		For >1,000 To 2,000, Deduct	*-236.89*	
		For >2,000 To 5,000, Deduct	*-386.71*	
		For >5,000, Deduct	*-641.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,377.98	
		For Up To >10, Add	*2,133.64*	
		For >10 To 25, Add	*1,244.68*	
		For >25 To 50, Add	*906.81*	
		For >50 To 100, Add	*453.41*	
		For >500 To 1,000, Deduct	*-173.35*	
		For >1,000 To 2,000, Deduct	*-262.24*	
		For >2,000 To 5,000, Deduct	*-428.48*	
		For >5,000, Deduct	*-711.17*	
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,692.11	
		For Up To >10, Add	*2,332.11*	
		For >10 To 25, Add	*1,360.47*	
		For >25 To 50, Add	*991.17*	
		For >50 To 100, Add	*495.58*	
		For >500 To 1,000, Deduct	*-189.47*	
		For >1,000 To 2,000, Deduct	*-286.63*	
		For >2,000 To 5,000, Deduct	*-468.33*	
		For >5,000, Deduct	*-777.31*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,003.47	
		For Up To >10, Add	*2,522.24*	
		For >10 To 25, Add	*1,469.32*	
		For >25 To 50, Add	*1,071.35*	
		For >50 To 100, Add	*535.68*	
		For >500 To 1,000, Deduct	*-205.38*	
		For >1,000 To 2,000, Deduct	*-310.67*	
		For >2,000 To 5,000, Deduct	*-507.48*	
		For >5,000, Deduct	*-842.33*	
		For Vinylester Resin, Add	*2,656.69*	
		For Epoxy Resin, Add	*313.11*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,320.39	
		For Up To >10, Add	*2,729.05*	
		For >10 To 25, Add	*1,592.06*	
		For >25 To 50, Add	*1,159.88*	
		For >50 To 100, Add	*579.94*	
		For >500 To 1,000, Deduct	*-221.71*	
		For >1,000 To 2,000, Deduct	*-335.41*	
		For >2,000 To 5,000, Deduct	*-548.03*	
		For >5,000, Deduct	*-909.59*	
		For Vinylester Resin, Add	*2,865.00*	
		For Epoxy Resin, Add	*337.66*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,634.52	
		For Up To >10, Add	*2,927.49*	
		For >10 To 25, Add	*1,707.83*	
		For >25 To 50, Add	*1,244.22*	
		For >50 To 100, Add	*622.11*	
		For >500 To 1,000, Deduct	*-237.83*	
		For >1,000 To 2,000, Deduct	*-359.79*	
		For >2,000 To 5,000, Deduct	*-587.87*	
		For >5,000, Deduct	*-975.72*	
		For Vinylester Resin, Add	*3,073.30*	
		For Epoxy Resin, Add	*362.21*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,948.49	
		For Up To >10, Add	*3,125.47*	
		For >10 To 25, Add	*1,823.23*	
		For >25 To 50, Add	*1,328.34*	
		For >50 To 100, Add	*664.17*	
		For >500 To 1,000, Deduct	*-253.94*	
		For >1,000 To 2,000, Deduct	*-384.16*	
		For >2,000 To 5,000, Deduct	*-627.68*	
		For >5,000, Deduct	*-1,041.80*	
		For Vinylester Resin, Add	*3,281.60*	
		For Epoxy Resin, Add	*386.76*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,262.63	
		For Up To >10, Add	*3,323.94*	
		For >10 To 25, Add	*1,939.02*	
		For >25 To 50, Add	*1,412.69*	
		For >50 To 100, Add	*706.35*	
		For >500 To 1,000, Deduct	*-270.06*	
		For >1,000 To 2,000, Deduct	*-408.55*	
		For >2,000 To 5,000, Deduct	*-667.53*	
		For >5,000, Deduct	*-1,107.94*	
		For Vinylester Resin, Add	*3,489.91*	
		For Epoxy Resin, Add	*411.31*	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,576.77	
		For Up To >10, Add	*3,522.41*	
		For >10 To 25, Add	*2,054.82*	
		For >25 To 50, Add	*1,497.05*	
		For >50 To 100, Add	*748.52*	
		For >500 To 1,000, Deduct	*-286.18*	
		For >1,000 To 2,000, Deduct	*-432.94*	
		For >2,000 To 5,000, Deduct	*-707.38*	
		For >5,000, Deduct	*-1,174.08*	
		For Vinylester Resin, Add	*3,698.21*	
		For Epoxy Resin, Add	*435.86*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,870.14	
		For Up To >10, Add	*1,166.22*	
		For >10 To 25, Add	*675.57*	
		For >25 To 50, Add	*494.23*	
		For >50 To 100, Add	*247.11*	
		For >500 To 1,000, Deduct	*-95.82*	
		For >1,000 To 2,000, Deduct	*-144.88*	
		For >2,000 To 5,000, Deduct	*-236.44*	
		For >5,000, Deduct	*-392.52*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,195.69	
		For Up To >10, Add	*1,369.17*	
		For >10 To 25, Add	*793.12*	
		For >25 To 50, Add	*580.23*	
		For >50 To 100, Add	*290.11*	
		For >500 To 1,000, Deduct	*-112.50*	
		For >1,000 To 2,000, Deduct	*-170.10*	
		For >2,000 To 5,000, Deduct	*-277.59*	
		For >5,000, Deduct	*-460.84*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,521.23	
		For Up To >10, Add	*1,572.09*	
		For >10 To 25, Add	*910.64*	
		For >25 To 50, Add	*666.21*	
		For >50 To 100, Add	*333.11*	
		For >500 To 1,000, Deduct	*-129.18*	
		For >1,000 To 2,000, Deduct	*-195.32*	
		For >2,000 To 5,000, Deduct	*-318.74*	
		For >5,000, Deduct	*-529.16*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,846.78	
		For Up To >10, Add	*1,775.04*	
		For >10 To 25, Add	*1,028.18*	
		For >25 To 50, Add	*752.21*	
		For >50 To 100, Add	*376.11*	
		For >500 To 1,000, Deduct	*-145.86*	
		For >1,000 To 2,000, Deduct	*-220.54*	
		For >2,000 To 5,000, Deduct	*-359.90*	
		For >5,000, Deduct	*-597.49*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,172.49	
		For Up To >10, Add	*1,978.47*	
		For >10 To 25, Add	*1,146.13*	
		For >25 To 50, Add	*838.46*	
		For >50 To 100, Add	*419.23*	
		For >500 To 1,000, Deduct	*-162.55*	
		For >1,000 To 2,000, Deduct	*-245.78*	
		For >2,000 To 5,000, Deduct	*-401.09*	
		For >5,000, Deduct	*-665.88*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,506.55	
		For Up To >10, Add	*2,206.95*	
		For >10 To 25, Add	*1,284.95*	
		For >25 To 50, Add	*937.22*	
		For >50 To 100, Add	*468.61*	
		For >500 To 1,000, Deduct	*-179.86*	
		For >1,000 To 2,000, Deduct	*-272.06*	
		For >2,000 To 5,000, Deduct	*-444.38*	
		For >5,000, Deduct	*-737.60*	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,832.92	
		For Up To >10, Add	*2,412.36*	
		For >10 To 25, Add	*1,404.54*	
		For >25 To 50, Add	*1,024.45*	
		For >50 To 100, Add	*512.23*	
		For >500 To 1,000, Deduct	*-196.61*	
		For >1,000 To 2,000, Deduct	*-297.39*	
		For >2,000 To 5,000, Deduct	*-485.74*	
		For >5,000, Deduct	*-806.26*	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,159.29	
		For Up To >10, Add	*2,617.77*	
		For >10 To 25, Add	*1,524.14*	
		For >25 To 50, Add	*1,111.68*	
		For >50 To 100, Add	*555.84*	
		For >500 To 1,000, Deduct	*-213.35*	
		For >1,000 To 2,000, Deduct	*-322.71*	
		For >2,000 To 5,000, Deduct	*-527.10*	
		For >5,000, Deduct	*-874.91*	
		For Vinylester Resin, Add	*2,760.83*	
		For Epoxy Resin, Add	*325.38*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,485.82	
		For Up To >10, Add	*2,823.66*	
		For >10 To 25, Add	*1,644.13*	
		For >25 To 50, Add	*1,199.15*	
		For >50 To 100, Add	*599.58*	
		For >500 To 1,000, Deduct	*-230.10*	
		For >1,000 To 2,000, Deduct	*-348.05*	
		For >2,000 To 5,000, Deduct	*-568.50*	
		For >5,000, Deduct	*-943.62*	
		For Vinylester Resin, Add	*2,977.46*	
		For Epoxy Resin, Add	*350.92*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		4,812.18	
		For Up To >10, Add		*3,029.04*	
		For >10 To 25, Add		*1,763.70*	
		For >25 To 50, Add		*1,286.37*	
		For >50 To 100, Add		*643.19*	
		For >500 To 1,000, Deduct		*-246.84*	
		For >1,000 To 2,000, Deduct		*-373.37*	
		For >2,000 To 5,000, Deduct		*-609.86*	
		For >5,000, Deduct		*-1,012.27*	
		For Vinylester Resin, Add		*3,194.10*	
		For Epoxy Resin, Add		*376.45*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		5,138.55	
		For Up To >10, Add		*3,234.45*	
		For >10 To 25, Add		*1,883.30*	
		For >25 To 50, Add		*1,373.60*	
		For >50 To 100, Add		*686.80*	
		For >500 To 1,000, Deduct		*-263.58*	
		For >1,000 To 2,000, Deduct		*-398.69*	
		For >2,000 To 5,000, Deduct		*-651.22*	
		For >5,000, Deduct		*-1,080.92*	
		For Vinylester Resin, Add		*3,410.74*	
		For Epoxy Resin, Add		*401.98*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		5,464.91	
		For Up To >10, Add		*3,439.83*	
		For >10 To 25, Add		*2,002.87*	
		For >25 To 50, Add		*1,460.82*	
		For >50 To 100, Add		*730.41*	
		For >500 To 1,000, Deduct		*-280.32*	
		For >1,000 To 2,000, Deduct		*-424.02*	
		For >2,000 To 5,000, Deduct		*-692.57*	
		For >5,000, Deduct		*-1,149.57*	
		For Vinylester Resin, Add		*3,627.37*	
		For Epoxy Resin, Add		*427.51*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		5,791.27	
		For Up To >10, Add		*3,645.21*	
		For >10 To 25, Add		*2,122.44*	
		For >25 To 50, Add		*1,548.03*	
		For >50 To 100, Add		*774.02*	
		For >500 To 1,000, Deduct		*-297.06*	
		For >1,000 To 2,000, Deduct		*-449.34*	
		For >2,000 To 5,000, Deduct		*-733.93*	
		For >5,000, Deduct		*-1,218.22*	
		For Vinylester Resin, Add		*3,844.01*	
		For Epoxy Resin, Add		*453.04*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		6,117.65	
		For Up To >10, Add		*3,850.65*	
		For >10 To 25, Add		*2,242.06*	
		For >25 To 50, Add		*1,635.28*	
		For >50 To 100, Add		*817.64*	
		For >500 To 1,000, Deduct		*-313.80*	
		For >1,000 To 2,000, Deduct		*-474.66*	
		For >2,000 To 5,000, Deduct		*-775.29*	
		For >5,000, Deduct		*-1,286.88*	
		For Vinylester Resin, Add		*4,060.64*	
		For Epoxy Resin, Add		*478.58*	
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		6,444.01	
		For Up To >10, Add		*4,056.03*	
		For >10 To 25, Add		*2,361.63*	
		For >25 To 50, Add		*1,722.50*	
		For >50 To 100, Add		*861.25*	
		For >500 To 1,000, Deduct		*-330.54*	
		For >1,000 To 2,000, Deduct		*-499.98*	
		For >2,000 To 5,000, Deduct		*-816.65*	
		For >5,000, Deduct		*-1,355.52*	
		For Vinylester Resin, Add		*4,277.28*	
		For Epoxy Resin, Add		*504.11*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		2,274.77	
		For Up To >10, Add		*1,413.61*	
		For >10 To 25, Add		*817.30*	
		For >25 To 50, Add		*598.59*	
		For >50 To 100, Add		*299.30*	
		For >500 To 1,000, Deduct		*-116.50*	
		For >1,000 To 2,000, Deduct		*-176.13*	
		For >2,000 To 5,000, Deduct		*-287.34*	
		For >5,000, Deduct		*-477.05*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		2,612.54	
		For Up To >10, Add		*1,623.50*	
		For >10 To 25, Add		*938.64*	
		For >25 To 50, Add		*687.47*	
		For >50 To 100, Add		*343.73*	
		For >500 To 1,000, Deduct		*-133.80*	
		For >1,000 To 2,000, Deduct		*-202.29*	
		For >2,000 To 5,000, Deduct		*-330.00*	
		For >5,000, Deduct		*-547.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,950.32	
		For Up To >10, Add	*1,833.36*	
		For >10 To 25, Add	*1,059.96*	
		For >25 To 50, Add	*776.33*	
		For >50 To 100, Add	*388.16*	
		For >500 To 1,000, Deduct	*-151.10*	
		For >1,000 To 2,000, Deduct	*-228.44*	
		For >2,000 To 5,000, Deduct	*-372.66*	
		For >5,000, Deduct	*-618.72*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,288.09	
		For Up To >10, Add	*2,043.22*	
		For >10 To 25, Add	*1,181.28*	
		For >25 To 50, Add	*865.19*	
		For >50 To 100, Add	*432.59*	
		For >500 To 1,000, Deduct	*-168.40*	
		For >1,000 To 2,000, Deduct	*-254.59*	
		For >2,000 To 5,000, Deduct	*-415.33*	
		For >5,000, Deduct	*-689.55*	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,634.73	
		For Up To >10, Add	*2,279.67*	
		For >10 To 25, Add	*1,324.75*	
		For >25 To 50, Add	*967.34*	
		For >50 To 100, Add	*483.67*	
		For >500 To 1,000, Deduct	*-186.36*	
		For >1,000 To 2,000, Deduct	*-281.85*	
		For >2,000 To 5,000, Deduct	*-460.21*	
		For >5,000, Deduct	*-763.93*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,973.32	
		For Up To >10, Add	*2,491.99*	
		For >10 To 25, Add	*1,448.12*	
		For >25 To 50, Add	*1,057.43*	
		For >50 To 100, Add	*528.72*	
		For >500 To 1,000, Deduct	*-203.72*	
		For >1,000 To 2,000, Deduct	*-308.11*	
		For >2,000 To 5,000, Deduct	*-503.08*	
		For >5,000, Deduct	*-835.09*	
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,311.91	
		For Up To >10, Add	*2,704.31*	
		For >10 To 25, Add	*1,571.49*	
		For >25 To 50, Add	*1,147.52*	
		For >50 To 100, Add	*573.76*	
		For >500 To 1,000, Deduct	*-221.08*	
		For >1,000 To 2,000, Deduct	*-334.36*	
		For >2,000 To 5,000, Deduct	*-545.94*	
		For >5,000, Deduct	*-906.25*	
		For Vinylester Resin, Add	*2,864.80*	
		For Epoxy Resin, Add	*337.64*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,650.51	
		For Up To >10, Add	*2,916.66*	
		For >10 To 25, Add	*1,694.89*	
		For >25 To 50, Add	*1,237.63*	
		For >50 To 100, Add	*618.82*	
		For >500 To 1,000, Deduct	*-238.44*	
		For >1,000 To 2,000, Deduct	*-360.62*	
		For >2,000 To 5,000, Deduct	*-588.81*	
		For >5,000, Deduct	*-977.41*	
		For Vinylester Resin, Add	*3,089.77*	
		For Epoxy Resin, Add	*364.15*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,989.11	
		For Up To >10, Add	*3,128.98*	
		For >10 To 25, Add	*1,818.26*	
		For >25 To 50, Add	*1,327.72*	
		For >50 To 100, Add	*663.86*	
		For >500 To 1,000, Deduct	*-255.80*	
		For >1,000 To 2,000, Deduct	*-386.87*	
		For >2,000 To 5,000, Deduct	*-631.68*	
		For >5,000, Deduct	*-1,048.58*	
		For Vinylester Resin, Add	*3,314.74*	
		For Epoxy Resin, Add	*390.67*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,327.71	
		For Up To >10, Add	*3,341.33*	
		For >10 To 25, Add	*1,941.66*	
		For >25 To 50, Add	*1,417.83*	
		For >50 To 100, Add	*708.91*	
		For >500 To 1,000, Deduct	*-273.16*	
		For >1,000 To 2,000, Deduct	*-413.13*	
		For >2,000 To 5,000, Deduct	*-674.55*	
		For >5,000, Deduct	*-1,119.74*	
		For Vinylester Resin, Add	*3,539.70*	
		For Epoxy Resin, Add	*417.18*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,666.30	
		For Up To >10, Add	*3,553.65*	
		For >10 To 25, Add	*2,065.03*	
		For >25 To 50, Add	*1,507.92*	
		For >50 To 100, Add	*753.96*	
		For >500 To 1,000, Deduct	*-290.52*	
		For >1,000 To 2,000, Deduct	*-439.38*	
		For >2,000 To 5,000, Deduct	*-717.42*	
		For >5,000, Deduct	*-1,190.90*	
		For Vinylester Resin, Add	*3,764.67*	
		For Epoxy Resin, Add	*443.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,004.89	
		For Up To >10, Add	*3,765.97*	
		For >10 To 25, Add	*2,188.40*	
		For >25 To 50, Add	*1,598.01*	
		For >50 To 100, Add	*799.01*	
		For >500 To 1,000, Deduct	*-307.88*	
		For >1,000 To 2,000, Deduct	*-465.64*	
		For >2,000 To 5,000, Deduct	*-760.29*	
		For >5,000, Deduct	*-1,262.06*	
		For Vinylester Resin, Add	*3,989.64*	
		For Epoxy Resin, Add	*470.21*	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,343.49	
		For Up To >10, Add	*3,978.30*	
		For >10 To 25, Add	*2,311.77*	
		For >25 To 50, Add	*1,688.10*	
		For >50 To 100, Add	*844.05*	
		For >500 To 1,000, Deduct	*-325.24*	
		For >1,000 To 2,000, Deduct	*-491.89*	
		For >2,000 To 5,000, Deduct	*-803.16*	
		For >5,000, Deduct	*-1,333.22*	
		For Vinylester Resin, Add	*4,214.61*	
		For Epoxy Resin, Add	*496.72*	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,682.09	
		For Up To >10, Add	*4,190.65*	
		For >10 To 25, Add	*2,435.16*	
		For >25 To 50, Add	*1,778.21*	
		For >50 To 100, Add	*889.11*	
		For >500 To 1,000, Deduct	*-342.60*	
		For >1,000 To 2,000, Deduct	*-518.15*	
		For >2,000 To 5,000, Deduct	*-846.03*	
		For >5,000, Deduct	*-1,404.39*	
		For Vinylester Resin, Add	*4,439.58*	
		For Epoxy Resin, Add	*523.24*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,703.45	
		For Up To >10, Add	*1,674.28*	
		For >10 To 25, Add	*966.16*	
		For >25 To 50, Add	*708.42*	
		For >50 To 100, Add	*354.21*	
		For >500 To 1,000, Deduct	*-138.40*	
		For >1,000 To 2,000, Deduct	*-209.21*	
		For >2,000 To 5,000, Deduct	*-341.19*	
		For >5,000, Deduct	*-566.49*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,053.47	
		For Up To >10, Add	*1,891.09*	
		For >10 To 25, Add	*1,091.28*	
		For >25 To 50, Add	*800.16*	
		For >50 To 100, Add	*400.08*	
		For >500 To 1,000, Deduct	*-156.32*	
		For >1,000 To 2,000, Deduct	*-236.30*	
		For >2,000 To 5,000, Deduct	*-385.36*	
		For >5,000, Deduct	*-639.84*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,403.47	
		For Up To >10, Add	*2,107.89*	
		For >10 To 25, Add	*1,216.40*	
		For >25 To 50, Add	*891.89*	
		For >50 To 100, Add	*445.95*	
		For >500 To 1,000, Deduct	*-174.24*	
		For >1,000 To 2,000, Deduct	*-263.38*	
		For >2,000 To 5,000, Deduct	*-429.54*	
		For >5,000, Deduct	*-713.19*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,762.49	
		For Up To >10, Add	*2,351.75*	
		For >10 To 25, Add	*1,364.07*	
		For >25 To 50, Add	*997.16*	
		For >50 To 100, Add	*498.58*	
		For >500 To 1,000, Deduct	*-192.83*	
		For >1,000 To 2,000, Deduct	*-291.60*	
		For >2,000 To 5,000, Deduct	*-475.96*	
		For >5,000, Deduct	*-790.14*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,113.31	
		For Up To >10, Add	*2,570.98*	
		For >10 To 25, Add	*1,491.22*	
		For >25 To 50, Add	*1,090.11*	
		For >50 To 100, Add	*545.06*	
		For >500 To 1,000, Deduct	*-210.81*	
		For >1,000 To 2,000, Deduct	*-318.78*	
		For >2,000 To 5,000, Deduct	*-520.34*	
		For >5,000, Deduct	*-863.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,464.15	
		For Up To >10, Add	*2,790.28*	
		For >10 To 25, Add	*1,618.42*	
		For >25 To 50, Add	*1,183.09*	
		For >50 To 100, Add	*591.55*	
		For >500 To 1,000, Deduct	*-228.79*	
		For >1,000 To 2,000, Deduct	*-345.98*	
		For >2,000 To 5,000, Deduct	*-564.72*	
		For >5,000, Deduct	*-937.49*	
		For Vinylester Resin, Add	*2,968.61*	
		For Epoxy Resin, Add	*349.87*	
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,814.97	
		For Up To >10, Add	*3,009.54*	
		For >10 To 25, Add	*1,745.59*	
		For >25 To 50, Add	*1,276.06*	
		For >50 To 100, Add	*638.03*	
		For >500 To 1,000, Deduct	*-246.77*	
		For >1,000 To 2,000, Deduct	*-373.16*	
		For >2,000 To 5,000, Deduct	*-609.10*	
		For >5,000, Deduct	*-1,011.16*	
		For Vinylester Resin, Add	*3,201.91*	
		For Epoxy Resin, Add	*377.37*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,165.80	
		For Up To >10, Add	*3,228.80*	
		For >10 To 25, Add	*1,872.76*	
		For >25 To 50, Add	*1,369.03*	
		For >50 To 100, Add	*684.51*	
		For >500 To 1,000, Deduct	*-264.75*	
		For >1,000 To 2,000, Deduct	*-400.35*	
		For >2,000 To 5,000, Deduct	*-653.48*	
		For >5,000, Deduct	*-1,084.83*	
		For Vinylester Resin, Add	*3,435.21*	
		For Epoxy Resin, Add	*404.86*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,516.62	
		For Up To >10, Add	*3,448.06*	
		For >10 To 25, Add	*1,999.93*	
		For >25 To 50, Add	*1,461.99*	
		For >50 To 100, Add	*731.00*	
		For >500 To 1,000, Deduct	*-282.73*	
		For >1,000 To 2,000, Deduct	*-427.54*	
		For >2,000 To 5,000, Deduct	*-697.86*	
		For >5,000, Deduct	*-1,158.50*	
		For Vinylester Resin, Add	*3,668.50*	
		For Epoxy Resin, Add	*432.36*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,867.45	
		For Up To >10, Add	*3,667.33*	
		For >10 To 25, Add	*2,127.10*	
		For >25 To 50, Add	*1,554.96*	
		For >50 To 100, Add	*777.48*	
		For >500 To 1,000, Deduct	*-300.71*	
		For >1,000 To 2,000, Deduct	*-454.73*	
		For >2,000 To 5,000, Deduct	*-742.24*	
		For >5,000, Deduct	*-1,232.18*	
		For Vinylester Resin, Add	*3,901.81*	
		For Epoxy Resin, Add	*459.86*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,218.29	
		For Up To >10, Add	*3,886.62*	
		For >10 To 25, Add	*2,254.30*	
		For >25 To 50, Add	*1,647.95*	
		For >50 To 100, Add	*823.97*	
		For >500 To 1,000, Deduct	*-318.69*	
		For >1,000 To 2,000, Deduct	*-481.92*	
		For >2,000 To 5,000, Deduct	*-786.62*	
		For >5,000, Deduct	*-1,305.86*	
		For Vinylester Resin, Add	*4,135.11*	
		For Epoxy Resin, Add	*487.35*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,569.11	
		For Up To >10, Add	*4,105.88*	
		For >10 To 25, Add	*2,381.47*	
		For >25 To 50, Add	*1,740.91*	
		For >50 To 100, Add	*870.46*	
		For >500 To 1,000, Deduct	*-336.67*	
		For >1,000 To 2,000, Deduct	*-509.11*	
		For >2,000 To 5,000, Deduct	*-831.00*	
		For >5,000, Deduct	*-1,379.53*	
		For Vinylester Resin, Add	*4,368.41*	
		For Epoxy Resin, Add	*514.85*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,919.93	
		For Up To >10, Add	*4,325.12*	
		For >10 To 25, Add	*2,508.62*	
		For >25 To 50, Add	*1,833.86*	
		For >50 To 100, Add	*916.93*	
		For >500 To 1,000, Deduct	*-354.65*	
		For >1,000 To 2,000, Deduct	*-536.30*	
		For >2,000 To 5,000, Deduct	*-875.38*	
		For >5,000, Deduct	*-1,453.20*	
		For Vinylester Resin, Add	*4,601.71*	
		For Epoxy Resin, Add	*542.34*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)		651.49
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)		704.32
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)		748.35
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)		792.36
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)		836.38

33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder		696.67
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder		797.69
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder		898.73

33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*

33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application		756.48
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application		816.29

33 01 30 74-0016 Lateral T-Liner *(33 01 30 74-0001)*

Note: As manufactured by LMK.

33 01 30 74-0017	EA	Up To 4" Lateral T-Liner		901.28
33 01 30 74-0018	EA	6" Lateral T-Liner		1,006.53
33 01 30 74-0019	EA	8" Lateral T-Liner		1,166.83

33 01 30 74-0020 Lining Lateral Pipe *(33 01 30 74-0001)*

33 01 30 74-0021 Lining Lateral Pipe *(33 01 30 74-0020)*

33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		47.75
		For 7.5mm, Add		*5.20*
		For 9 mm, Add		*10.29*
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		56.92
		For 7.5mm, Add		*7.09*
		For 9 mm, Add		*14.02*
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation		74.02
		For 7.5mm, Add		*10.85*
		For 9 mm, Add		*21.46*

33 01 30 79 Fold-and-Form Pipe Lining *(33 01 30)*

33 01 30 79-0001 Form and Fold Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Set-Up And Reinsertion For Fold-And-Form Relining Underground Pipelines *(33 01 30 79-0001)*

33 01 30 79-0003	EA	Initial Set-up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines		6,557.39
33 01 30 79-0004	EA	Move And Set-up At Different Access/Location For Fold-And-Form Relining Underground Pipelines		2,622.95

33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		40.89
		For DR 26 Pipe Liner, Add		*6.71*
		For Up To 75, Add		*26.44*
		For >75 To 150, Add		*13.22*
		For >500 To 1,000, Deduct		*-1.05*
		For >1,000 To 2,000, Deduct		*-2.11*
		For >2,000, Deduct		*-4.22*
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		51.59
		For DR 26 Pipe Liner, Add		*9.12*
		For DR 35 Pipe Liner, Deduct		*-4.56*
		For Up To 75, Add		*29.99*
		For >75 To 150, Add		*14.99*
		For >500 To 1,000, Deduct		*-1.13*
		For >1,000 To 2,000, Deduct		*-2.27*
		For >2,000, Deduct		*-4.54*
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		53.53
		For DR 26 Pipe Liner, Add		*9.29*
		For DR 35 Pipe Liner, Deduct		*-4.64*
		For Up To 75, Add		*32.01*
		For >75 To 150, Add		*16.01*
		For >500 To 1,000, Deduct		*-1.23*
		For >1,000 To 2,000, Deduct		*-2.46*
		For >2,000, Deduct		*-4.92*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	73.58	
		For DR 26 Pipe Liner, Add	*13.93*	
		For DR 35 Pipe Liner, Deduct	*-6.96*	
		For DR 41 Pipe Liner, Deduct	*-13.93*	
		For Up To 75, Add	*37.96*	
		For >75 To 150, Add	*18.98*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000 To 2,000, Deduct	*-2.68*	
		For >2,000, Deduct	*-5.36*	
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	101.20	
		For DR 26 Pipe Liner, Add	*20.38*	
		For DR 35 Pipe Liner, Deduct	*-10.19*	
		For DR 41 Pipe Liner, Deduct	*-20.38*	
		For Up To 75, Add	*45.81*	
		For >75 To 150, Add	*22.91*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.95*	
		For >2,000, Deduct	*-5.90*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	137.14	
		For DR 35 Pipe Liner, Deduct	*-14.35*	
		For DR 41 Pipe Liner, Deduct	*-28.70*	
		For Up To 75, Add	*56.50*	
		For >75 To 150, Add	*28.25*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000 To 2,000, Deduct	*-3.35*	
		For >2,000, Deduct	*-6.71*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	191.66	
		For DR 41 Pipe Liner, Deduct	*-16.64*	
		For DR 50 Pipe Liner, Deduct	*-33.29*	
		For Up To 75, Add	*71.12*	
		For >75 To 150, Add	*35.56*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000 To 2,000, Deduct	*-3.78*	
		For >2,000, Deduct	*-7.57*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	216.38	
		For DR 50 Pipe Liner, Deduct	*-28.36*	
		For DR 55 Pipe Liner, Deduct	*-47.27*	
		For Up To 75, Add	*78.79*	
		For >75 To 150, Add	*39.40*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-4.10*	
		For >2,000, Deduct	*-8.20*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	262.75	
		For DR 60 Pipe Liner, Deduct	*-34.94*	
		For Up To 75, Add	*91.30*	
		For >75 To 150, Add	*45.65*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 2,000, Deduct	*-4.47*	
		For >2,000, Deduct	*-8.94*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	43.42	
		For Up To 75, Add	*26.95*	
		For >75 To 150, Add	*13.47*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.22*	
		For DR 26 Pipe Liner, Add	*7.34*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	51.59	
		For Up To 75, Add	*29.99*	
		For >75 To 150, Add	*14.99*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.27*	
		For >2,000, Deduct	*-4.54*	
		For DR 26 Pipe Liner, Add	*9.12*	
		For DR 35 Pipe Liner, Deduct	*-4.56*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	56.90	
		For Up To 75, Add	*32.69*	
		For >75 To 150, Add	*16.34*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-2.46*	
		For >2,000, Deduct	*-4.92*	
		For DR 26 Pipe Liner, Add	*10.13*	
		For DR 35 Pipe Liner, Deduct	*-5.06*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	78.65	
		For Up To 75, Add	*38.97*	
		For >75 To 150, Add	*19.49*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000 To 2,000, Deduct	*-2.68*	
		For >2,000, Deduct	*-5.36*	
		For DR 26 Pipe Liner, Add	*15.19*	
		For DR 35 Pipe Liner, Deduct	*-7.60*	
		For DR 41 Pipe Liner, Deduct	*-15.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	108.80	
		For Up To 75, Add	*47.33*	
		For >75 To 150, Add	*23.67*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.95*	
		For >2,000, Deduct	*-5.90*	
		For DR 26 Pipe Liner, Add	*22.28*	
		For DR 35 Pipe Liner, Deduct	*-11.14*	
		For DR 41 Pipe Liner, Deduct	*-22.28*	
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	147.95	
		For Up To 75, Add	*58.66*	
		For >75 To 150, Add	*29.33*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000 To 2,000, Deduct	*-3.35*	
		For >2,000, Deduct	*-6.71*	
		For DR 35 Pipe Liner, Deduct	*-15.70*	
		For DR 41 Pipe Liner, Deduct	*-31.40*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	207.52	
		For Up To 75, Add	*74.29*	
		For >75 To 150, Add	*37.15*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000 To 2,000, Deduct	*-3.78*	
		For >2,000, Deduct	*-7.57*	
		For DR 41 Pipe Liner, Deduct	*-18.23*	
		For DR 50 Pipe Liner, Deduct	*-36.46*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	233.93	
		For Up To 75, Add	*82.30*	
		For >75 To 150, Add	*41.15*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-4.10*	
		For >2,000, Deduct	*-8.20*	
		For DR 50 Pipe Liner, Deduct	*-30.99*	
		For DR 55 Pipe Liner, Deduct	*-51.65*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	285.04	
		For Up To 75, Add	*95.76*	
		For >75 To 150, Add	*47.88*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 2,000, Deduct	*-4.47*	
		For >2,000, Deduct	*-8.94*	
		For DR 60 Pipe Liner, Deduct	*-38.28*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0003 Internal Manhole Chimney Seals *(33 01 30 81-0002)*

Note: Cretex.

33 01 30 81-0004	EA	20" Internal Manhole Chimney Seal	675.58
33 01 30 81-0005	EA	22" Internal Manhole Chimney Seal	712.09
33 01 30 81-0006	EA	24" Internal Manhole Chimney Seal	730.35
33 01 30 81-0007	EA	26" Internal Manhole Chimney Seal	839.90
33 01 30 81-0008	EA	28" Internal Manhole Chimney Seal	949.46
33 01 30 81-0009	EA	30" Internal Manhole Chimney Seal	1,059.01
33 01 30 81-0010	EA	36" Internal Manhole Chimney Seal	1,278.12

33 01 30 81-0011 External Manhole Encapsulation *(33 01 30 81-0002)*

Note: Wrapidseal.

33 01 30 81-0012	EA	24" External Manhole Encapsulation	985.98
33 01 30 81-0013	EA	30" External Manhole Encapsulation	1,040.74
33 01 30 81-0014	EA	36" External Manhole Encapsulation	1,113.79
33 01 30 81-0015	EA	42" External Manhole Encapsulation	1,205.08
33 01 30 81-0016	EA	48" External Manhole Encapsulation	1,332.89
33 01 30 81-0017	EA	54" External Manhole Encapsulation	1,478.96
33 01 30 81-0018	EA	60" External Manhole Encapsulation	1,661.55

33 01 30 81-0019 Manhole Crack Repair *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0020	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	74.78
33 01 30 81-0021	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	100.52
33 01 30 81-0022	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	71.50
33 01 30 81-0023	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	96.69

33 01 30 81-0024 Manhole Patching *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0025	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	23.72
33 01 30 81-0026	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	46.02

33 01 30 81-0027 Manhole Joint Restoration *(33 01 30 81-0001)*

Note: Includes drilling holes at joints, fill joints with grout.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0028	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,646.62	
		For Grouting Each Additional Manhole Joint Section, Add	*272.59*	
33 01 30 81-0029	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,089.48	
		For Grouting Each Additional Manhole Joint Section, Add	*305.53*	
33 01 30 81-0030	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,528.82	
		For Grouting Each Additional Manhole Joint Section, Add	*338.46*	
33 01 30 81-0031	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	4,165.80	
		For Grouting Each Additional Manhole Joint Section, Add	*354.92*	
33 01 30 81-0032	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	4,801.01	
		For Grouting Each Additional Manhole Joint Section, Add	*371.39*	
33 01 30 81-0033		**Step Installation In Existing Manholes** *(33 01 30 81-0001)* Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0034	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	164.76	32.07
33 01 30 81-0035	EA	Drill And Grout Galvanized Steel Manhole Step	145.19	32.07
33 01 30 81-0036	EA	Bolt On Galvanized Steel Manhole Step	164.70	32.07
33 01 30 81-0037	EA	Drill And Grout Aluminum Manhole Step	174.26	32.07
33 01 30 81-0038	EA	Drill And Insert Polypropylene Manhole Step	90.13	25.65
33 01 30 81-0039		**Manhole Penetration Sealing** *(33 01 30 81-0001)* Note: At new pipe connection to manhole.		
33 01 30 81-0040	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	582.99	
33 01 30 81-0041	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	897.73	
33 01 30 81-0042	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	1,227.97	
33 01 30 81-0043		**Invert Restoration** *(33 01 30 81-0001)* Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0044		**Concrete Invert Restoration** *(33 01 30 81-0043)*		
33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration	491.81	
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration	557.71	
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration	623.61	
33 01 30 81-0048	EA	5' Diameter, Concrete Invert Restoration	689.51	
33 01 30 81-0049	EA	6' Diameter, Concrete Invert Restoration	887.21	
33 01 30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration	49.59	
33 01 30 81-0051		**Brick Invert Restoration** *(33 01 30 81-0043)*		
33 01 30 81-0052	EA	2' Diameter, Brick Invert Restoration	791.45	
33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration	857.35	
33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration	923.25	
33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration	989.15	
33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration	1,055.05	
33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration	70.58	
33 01 30 81-0058		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)* Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure	853.50	
33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,280.25	
33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,707.12	
33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,133.75	
33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,560.51	
33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure	1,087.26	
33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure	1,359.08	
33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure	1,630.90	
33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure	1,902.71	
33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure	2,174.53	
33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure	2,446.35	
33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure	2,718.16	
33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure	3,261.79	
33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,805.43	

33 01 30 82 Epoxy Lining for Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	433.75	
		For 80 Mil Material, Add	*48.87*	
		For 100 Mil Material, Add	*97.75*	
		For 125 Mil Material, Add	*151.89*	
		For 150 Mil Material, Add	*206.04*	
		For 200 Mil Material, Add	*295.80*	
		For 2 To 5 Manholes, Deduct	*-30.95*	
		For 6 To 10 Manholes, Deduct	*-51.06*	
		For >10 Manholes, Deduct	*-102.11*	
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	526.69	
		For 80 Mil Material, Add	*58.58*	
		For 100 Mil Material, Add	*117.17*	
		For 125 Mil Material, Add	*181.91*	
		For 150 Mil Material, Add	*246.65*	
		For 200 Mil Material, Add	*353.49*	
		For 2 To 5 Manholes, Deduct	*-37.66*	
		For 6 To 10 Manholes, Deduct	*-62.14*	
		For >10 Manholes, Deduct	*-124.29*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	578.32	
		For 80 Mil Material, Add	*65.16*	
		For 100 Mil Material, Add	*130.32*	
		For 125 Mil Material, Add	*202.51*	
		For 150 Mil Material, Add	*274.70*	
		For 200 Mil Material, Add	*394.39*	
		For 2 To 5 Manholes, Deduct	*-41.27*	
		For 6 To 10 Manholes, Deduct	*-68.07*	
		For >10 Manholes, Deduct	*-136.15*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	722.98	
		For 80 Mil Material, Add	*81.48*	
		For 100 Mil Material, Add	*162.95*	
		For 125 Mil Material, Add	*253.22*	
		For 150 Mil Material, Add	*343.49*	
		For 200 Mil Material, Add	*493.16*	
		For 2 To 5 Manholes, Deduct	*-51.59*	
		For 6 To 10 Manholes, Deduct	*-85.10*	
		For >10 Manholes, Deduct	*-170.20*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	867.56	
		For 80 Mil Material, Add	*97.77*	
		For 100 Mil Material, Add	*195.53*	
		For 125 Mil Material, Add	*303.85*	
		For 150 Mil Material, Add	*412.16*	
		For 200 Mil Material, Add	*591.74*	
		For 2 To 5 Manholes, Deduct	*-61.90*	
		For 6 To 10 Manholes, Deduct	*-102.12*	
		For >10 Manholes, Deduct	*-204.23*	

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	185.76	
		For Each Additional 1/2" Thick Material, Add	*42.04*	
		For 2 To 5 Manholes, Deduct	*-13.20*	
		For 6 To 10 Manholes, Deduct	*-21.75*	
		For >10 Manholes, Deduct	*-43.51*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	215.35	
		For Each Additional 1/2" Thick Material, Add	*48.91*	
		For 2 To 5 Manholes, Deduct	*-15.30*	
		For 6 To 10 Manholes, Deduct	*-25.21*	
		For >10 Manholes, Deduct	*-50.42*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	244.93	
		For Each Additional 1/2" Thick Material, Add	*55.78*	
		For 2 To 5 Manholes, Deduct	*-17.39*	
		For 6 To 10 Manholes, Deduct	*-28.66*	
		For >10 Manholes, Deduct	*-57.32*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	287.88	
		For Each Additional 1/2" Thick Material, Add	*68.08*	
		For 2 To 5 Manholes, Deduct	*-20.36*	
		For 6 To 10 Manholes, Deduct	*-33.53*	
		For >10 Manholes, Deduct	*-67.06*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	313.88	
		For Each Additional 1/2" Thick Material, Add	*78.32*	
		For 2 To 5 Manholes, Deduct	*-22.07*	
		For 6 To 10 Manholes, Deduct	*-36.30*	
		For >10 Manholes, Deduct	*-72.60*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	392.58	
		For 80 Mil Material, Add	*35.15*	
		For 100 Mil Material, Add	*70.30*	
		For 125 Mil Material, Add	*107.29*	
		For 150 Mil Material, Add	*144.28*	
		For 200 Mil Material, Add	*199.74*	
		For 2 To 5 Manholes, Deduct	*-28.89*	
		For 6 To 10 Manholes, Deduct	*-47.97*	
		For >10 Manholes, Deduct	*-95.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	478.59	
		For 80 Mil Material, Add	*42.55*	
		For 100 Mil Material, Add	*85.10*	
		For 125 Mil Material, Add	*129.80*	
		For 150 Mil Material, Add	*174.50*	
		For 200 Mil Material, Add	*241.26*	
		For 2 To 5 Manholes, Deduct	*-35.25*	
		For 6 To 10 Manholes, Deduct	*-58.54*	
		For >10 Manholes, Deduct	*-117.07*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	523.43	
		For 80 Mil Material, Add	*46.87*	
		For 100 Mil Material, Add	*93.73*	
		For 125 Mil Material, Add	*143.05*	
		For 150 Mil Material, Add	*192.37*	
		For 200 Mil Material, Add	*266.31*	
		For 2 To 5 Manholes, Deduct	*-38.52*	
		For 6 To 10 Manholes, Deduct	*-63.96*	
		For >10 Manholes, Deduct	*-127.91*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	654.29	
		For 80 Mil Material, Add	*58.58*	
		For 100 Mil Material, Add	*117.16*	
		For 125 Mil Material, Add	*178.81*	
		For 150 Mil Material, Add	*240.46*	
		For 200 Mil Material, Add	*332.88*	
		For 2 To 5 Manholes, Deduct	*-48.15*	
		For 6 To 10 Manholes, Deduct	*-79.95*	
		For >10 Manholes, Deduct	*-159.89*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	785.15	
		For 80 Mil Material, Add	*70.30*	
		For 100 Mil Material, Add	*140.59*	
		For 125 Mil Material, Add	*214.57*	
		For 150 Mil Material, Add	*288.55*	
		For 200 Mil Material, Add	*399.46*	
		For 2 To 5 Manholes, Deduct	*-57.78*	
		For 6 To 10 Manholes, Deduct	*-95.94*	
		For >10 Manholes, Deduct	*-191.87*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	617.88	
		For 2 To 5 Manholes, Deduct	*-36.43*	
		For 6 To 10 Manholes, Deduct	*-57.41*	
		For >10 Manholes, Deduct	*-114.81*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	756.61	
		For 2 To 5 Manholes, Deduct	*-44.59*	
		For 6 To 10 Manholes, Deduct	*-70.27*	
		For >10 Manholes, Deduct	*-140.54*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	888.31	
		For 2 To 5 Manholes, Deduct	*-51.79*	
		For 6 To 10 Manholes, Deduct	*-81.38*	
		For >10 Manholes, Deduct	*-162.75*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,113.83	
		For 2 To 5 Manholes, Deduct	*-64.91*	
		For 6 To 10 Manholes, Deduct	*-101.98*	
		For >10 Manholes, Deduct	*-203.96*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,339.36	
		For 2 To 5 Manholes, Deduct	*-78.03*	
		For 6 To 10 Manholes, Deduct	*-122.58*	
		For >10 Manholes, Deduct	*-245.17*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavement if required, 32 12 16 13-0025 for hand placed hot mix asphalt.

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	642.06
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	711.92
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	777.06
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	849.84
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	913.14

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	744.77
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	806.79
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	882.68
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	958.38
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	1,030.99

33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	872.48	
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	920.18	
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	973.71	
33 01 30 86-0018		>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,050.12	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,136.21	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,223.77	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,298.75	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,404.55	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,502.50	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,601.73	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,703.88	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001 Pump Out Septic Tanks *(33 01 34 13)*

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.82	

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Set-up For Video Camera *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set-up For Video Inspection, Gas Pipe Or Electrical Duct	345.54	
33 01 70 51-0004	EA	Initial Set-up And Final Equipment Removal For >12" To 48" Diameter, Video Inspection, Gas Pipe	388.73	
33 01 70 51-0005	EA	Move And Set-up For Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	86.38	
33 01 70 51-0006	EA	Move And Set-up For >12" To 48" Diameter, Video Inspection, Gas Pipe	129.57	

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.33	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.13*	
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	2.06	
		For >1,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.21*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	9.01	
		For Up To >10, Add	*17.63*	
		For >10 To 25, Add	*14.07*	
		For >25 To 50, Add	*8.63*	
		For >50 To 100, Add	*4.31*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.94*	
		For >2,000 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-2.85*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.98	
		For Up To >10, Add	*20.24*	
		For >10 To 25, Add	*16.02*	
		For >25 To 50, Add	*9.87*	
		For >50 To 100, Add	*4.93*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 2,000, Deduct	*-1.12*	
		For >2,000 To 5,000, Deduct	*-2.08*	
		For >5,000, Deduct	*-3.38*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.78	
		For Up To >10, Add	*25.34*	
		For >10 To 25, Add	*20.05*	
		For >25 To 50, Add	*12.35*	
		For >50 To 100, Add	*6.18*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.40*	
		For >2,000 To 5,000, Deduct	*-2.61*	
		For >5,000, Deduct	*-4.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	16.25	
		For Up To >10, Add	*29.43*	
		For >10 To 25, Add	*23.23*	
		For >25 To 50, Add	*14.33*	
		For >50 To 100, Add	*7.16*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000 To 5,000, Deduct	*-3.06*	
		For >5,000, Deduct	*-4.95*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	18.23	
		For Up To >10, Add	*32.07*	
		For >10 To 25, Add	*25.21*	
		For >25 To 50, Add	*15.58*	
		For >50 To 100, Add	*7.79*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-1.83*	
		For >2,000 To 5,000, Deduct	*-3.38*	
		For >5,000, Deduct	*-5.48*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	20.54	
		For Up To >10, Add	*35.70*	
		For >10 To 25, Add	*28.02*	
		For >25 To 50, Add	*17.33*	
		For >50 To 100, Add	*8.66*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000 To 2,000, Deduct	*-2.05*	
		For >2,000 To 5,000, Deduct	*-3.79*	
		For >5,000, Deduct	*-6.14*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	24.16	
		For Up To >10, Add	*39.93*	
		For >10 To 25, Add	*31.11*	
		For >25 To 50, Add	*19.31*	
		For >50 To 100, Add	*9.66*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000 To 2,000, Deduct	*-2.37*	
		For >2,000 To 5,000, Deduct	*-4.35*	
		For >5,000, Deduct	*-7.06*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	27.79	
		For Up To >10, Add	*44.22*	
		For >10 To 25, Add	*34.24*	
		For >25 To 50, Add	*21.33*	
		For >50 To 100, Add	*10.66*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-2.69*	
		For >2,000 To 5,000, Deduct	*-4.91*	
		For >5,000, Deduct	*-7.98*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	11.05	
		For Up To >10, Add	*19.45*	
		For >10 To 25, Add	*15.30*	
		For >25 To 50, Add	*9.45*	
		For >50 To 100, Add	*4.73*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000 To 2,000, Deduct	*-1.11*	
		For >2,000 To 5,000, Deduct	*-2.05*	
		For >5,000, Deduct	*-3.32*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	14.35	
		For Up To >10, Add	*24.38*	
		For >10 To 25, Add	*19.07*	
		For >25 To 50, Add	*11.81*	
		For >50 To 100, Add	*5.91*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000 To 5,000, Deduct	*-2.62*	
		For >5,000, Deduct	*-4.25*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.64	
		For Up To >10, Add	*29.30*	
		For >10 To 25, Add	*22.84*	
		For >25 To 50, Add	*14.18*	
		For >50 To 100, Add	*7.09*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000 To 2,000, Deduct	*-1.73*	
		For >2,000 To 5,000, Deduct	*-3.18*	
		For >5,000, Deduct	*-5.17*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	20.61	
		For Up To >10, Add	*33.26*	
		For >10 To 25, Add	*25.81*	
		For >25 To 50, Add	*16.06*	
		For >50 To 100, Add	*8.03*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.00*	
		For >2,000 To 5,000, Deduct	*-3.67*	
		For >5,000, Deduct	*-5.96*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	23.42	
		For Up To >10, Add	*36.71*	
		For >10 To 25, Add	*28.36*	
		For >25 To 50, Add	*17.68*	
		For >50 To 100, Add	*8.84*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000 To 5,000, Deduct	*-4.11*	
		For >5,000, Deduct	*-6.68*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	26.39	
		For Up To >10, Add	*40.67*	
		For >10 To 25, Add	*31.33*	
		For >25 To 50, Add	*19.57*	
		For >50 To 100, Add	*9.78*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000 To 2,000, Deduct	*-2.53*	
		For >2,000 To 5,000, Deduct	*-4.60*	
		For >5,000, Deduct	*-7.48*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	32.16	
		For Up To >10, Add	*48.06*	
		For >10 To 25, Add	*36.82*	
		For >25 To 50, Add	*23.06*	
		For >50 To 100, Add	*11.53*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000 To 2,000, Deduct	*-3.05*	
		For >2,000 To 5,000, Deduct	*-5.52*	
		For >5,000, Deduct	*-8.99*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	37.44	
		For Up To >10, Add	*53.97*	
		For >10 To 25, Add	*41.09*	
		For >25 To 50, Add	*25.82*	
		For >50 To 100, Add	*12.91*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000 To 5,000, Deduct	*-6.33*	
		For >5,000, Deduct	*-10.31*	

33 05 Common Work Results for Utilities *(33)*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	37.19
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	44.89
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	61.56
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	79.52
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	132.98
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	193.99
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	233.11
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	278.48
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	481.85
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	583.69
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	719.94
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	822.54
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	1,005.07
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	1,082.97
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,177.79
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,234.78
33 05 07 13-0018	EA	Minimum Set-up Charge For 8" To 20" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,380.51
33 05 07 13-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,055.53
33 05 07 13-0020	EA	Minimum Set-up Charge For >36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	9,120.22

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	18.54
		For Horizontal Boring Through Rock, Add	*12.98*
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	27.82
		For Horizontal Boring Through Rock, Add	*19.47*
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	38.64
		For Horizontal Boring Through Rock, Add	*27.05*
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	47.92
		For Horizontal Boring Through Rock, Add	*33.54*
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	57.19
		For Horizontal Boring Through Rock, Add	*40.03*
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	66.46
		For Horizontal Boring Through Rock, Add	*46.52*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	77.29	
		For Horizontal Boring Through Rock, Add	*54.10*	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	93.87	
		For Horizontal Boring Through Rock, Add	*65.71*	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	101.69	
		For Horizontal Boring Through Rock, Add	*71.18*	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	109.52	
		For Horizontal Boring Through Rock, Add	*76.66*	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	226.85	
		For Horizontal Boring Through Rock, Add	*158.80*	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	344.83	
		For Horizontal Boring Through Rock, Add	*241.38*	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	525.66	
		For Horizontal Boring Through Rock, Add	*367.96*	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	841.04	
		For Horizontal Boring Through Rock, Add	*588.73*	
33 05 07 13-0036	EA	Minimum Set-up Charge For Up To 6" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,400.39	
33 05 07 13-0037	EA	Minimum Set-up Charge For >6" To 18" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,380.51	
33 05 07 13-0038	EA	Minimum Set-up Charge For >18" To 36" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,055.53	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	79.79	
		For Horizontal Jacking Through Rock, Add	*38.58*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	95.67	
		For Horizontal Jacking Through Rock, Add	*46.55*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	129.34	
		For Horizontal Jacking Through Rock, Add	*63.84*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	167.16	
		For Horizontal Jacking Through Rock, Add	*82.46*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	226.55	
		For Horizontal Jacking Through Rock, Add	*113.04*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	332.07	
		For Horizontal Jacking Through Rock, Add	*164.92*	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	399.76	
		For Horizontal Jacking Through Rock, Add	*198.17*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	477.32	
		For Horizontal Jacking Through Rock, Add	*236.75*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	746.40	
		For Horizontal Jacking Through Rock, Add	*410.98*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	1,219.77	
		For Horizontal Jacking Through Rock, Add	*461.22*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,419.34	
		For Horizontal Jacking Through Rock, Add	*569.51*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	1,603.33	
		For Horizontal Jacking Through Rock, Add	*651.19*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	1,722.51	
		For Horizontal Jacking Through Rock, Add	*703.21*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,867.64	
		For Horizontal Jacking Through Rock, Add	*757.69*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,996.69	
		For Horizontal Jacking Through Rock, Add	*824.61*	
33 05 07 23-0017	EA	Minimum Set-up Charge For Up To 6" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,400.39	
33 05 07 23-0018	EA	Minimum Set-up Charge For >6" To 20" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,380.51	
33 05 07 23-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,055.53	
33 05 07 23-0020	EA	Minimum Set-up Charge For >36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	9,120.22	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	23.24	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.62	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	26.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	28.63	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	36.27	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	41.03	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	45.81	
33 05 07 24-0010		Polyethylene Pipe *(33 05 07 24-0001)* Note: Includes detectable tracer wire.		
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.47	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.12	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.73	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.26	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.84	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.42	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.03	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.06	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.30	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.55	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.76	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	25.28	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*

See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1160 for slip-on restraints, 33 14 13 13-1176 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*

See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*

See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*

See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*

See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*

See CSI section 33 42 11 00-0365 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*

See CSI section 33 41 16 13-0084 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*

See CSI section 33 42 11 00-0707 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*

See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*

See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*

See CSI section 33 42 11 00-0137 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*

See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0159 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.37	
		For Up To 250, Add	*0.13*	
		For >250 To 500, Add	*0.08*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.89	
		For Up To 250, Add	*0.15*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.29	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.80	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.67	
		For Up To 250, Add	*0.44*	
		For >250 To 500, Add	*0.29*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.61	
		For Up To 250, Add	*0.67*	
		For >250 To 500, Add	*0.45*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.46	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.09*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.05	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.42	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	6.14	
		For Up To 250, Add	*0.26*	
		For >250 To 500, Add	*0.17*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.42	
		For Up To 250, Add	*0.55*	
		For >250 To 500, Add	*0.37*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	10.55	
		For Up To 250, Add	*0.81*	
		For >250 To 500, Add	*0.54*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*
See CSI section 33 42 11 00-0052 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*
See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*
See CSI section 33 42 11 00-0015 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*
See CSI section 33 42 11 00-0263 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*
Note: Includes base, riser(s) and openings.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,942.97	401.22
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,660.05	576.29
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,625.14	875.38
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	387.72	102.12
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	414.63	102.12
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	638.59	102.12
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	518.32	102.12
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	723.16	102.12

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,932.65	459.58
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,917.69	627.36
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	5,195.72	948.34
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	559.98	120.37
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	607.35	120.37
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	1,001.52	120.37
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	789.85	120.37
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,150.40	120.37

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,432.27	510.64
		For Bitumastic Coating, Add	*105.68*	
		For Epoxy Coating, Add	*252.67*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	7,238.36	700.31
		For Bitumastic Coating, Add	*158.51*	
		For Epoxy Coating, Add	*379.00*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	9,369.21	1,050.46
		For Bitumastic Coating, Add	*211.35*	
		For Epoxy Coating, Add	*505.33*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	978.30	131.31
		For Bitumastic Coating, Add	*26.42*	
		For Epoxy Coating, Add	*63.17*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	7,263.67	569.00
		For Bitumastic Coating, Add	*120.98*	
		For Epoxy Coating, Add	*295.81*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	9,468.52	773.26
		For Bitumastic Coating, Add	*181.48*	
		For Epoxy Coating, Add	*443.71*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	12,036.97	1,167.18
		For Bitumastic Coating, Add	*241.97*	
		For Epoxy Coating, Add	*591.61*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,185.45	145.89
		For Bitumastic Coating, Add	*30.25*	
		For Epoxy Coating, Add	*73.95*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	11,394.47	627.36
		For Bitumastic Coating, Add	*257.28*	
		For Epoxy Coating, Add	*516.90*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	14,744.13	855.69
		For Bitumastic Coating, Add	*385.91*	
		For Epoxy Coating, Add	*775.35*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	18,493.54	1,283.89
		For Bitumastic Coating, Add	*514.55*	
		For Epoxy Coating, Add	*1,033.80*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,767.47	160.49
		For Bitumastic Coating, Add	*64.32*	
		For Epoxy Coating, Add	*129.22*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	16,450.84	722.20
		For Bitumastic Coating, Add	*304.16*	
		For Epoxy Coating, Add	*630.05*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0038		EA	6' Deep, 8' Diameter, Precast Concrete Manhole	21,341.08	984.81
			For Bitumastic Coating, Add	*456.23*	
			For Epoxy Coating, Add	*945.08*	
33 05 61 00-0039		EA	8' Deep, 8' Diameter, Precast Concrete Manhole	26,690.92	1,477.21
			For Bitumastic Coating, Add	*608.31*	
			For Epoxy Coating, Add	*1,260.11*	
33 05 61 00-0040		VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,547.25	182.37
			For Bitumastic Coating, Add	*76.04*	
			For Epoxy Coating, Add	*157.51*	

33 05 61 00-0041 10' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0042		EA	4' Deep, 10' Diameter, Precast Concrete Manhole	25,398.80	830.15
			For Bitumastic Coating, Add	*537.77*	
			For Epoxy Coating, Add	*1,065.80*	
33 05 61 00-0043		EA	6' Deep, 10' Diameter, Precast Concrete Manhole	32,124.09	1,132.17
			For Bitumastic Coating, Add	*806.66*	
			For Epoxy Coating, Add	*1,598.71*	
33 05 61 00-0044		EA	8' Deep, 10' Diameter, Precast Concrete Manhole	39,376.07	1,698.24
			For Bitumastic Coating, Add	*1,075.55*	
			For Epoxy Coating, Add	*2,131.61*	
33 05 61 00-0045		VLF	Riser For 10' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	3,479.00	210.09
			For Bitumastic Coating, Add	*134.44*	
			For Epoxy Coating, Add	*266.45*	

33 05 61 00-0046 12' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0047		EA	4' Deep, 12' Diameter, Precast Concrete Manhole	36,045.56	954.17
			For Bitumastic Coating, Add	*644.84*	
			For Epoxy Coating, Add	*1,289.77*	
33 05 61 00-0048		EA	6' Deep, 12' Diameter, Precast Concrete Manhole	45,525.20	1,302.87
			For Bitumastic Coating, Add	*967.26*	
			For Epoxy Coating, Add	*1,934.65*	
33 05 61 00-0049		EA	8' Deep, 12' Diameter, Precast Concrete Manhole	55,611.78	1,953.57
			For Bitumastic Coating, Add	*1,289.68*	
			For Epoxy Coating, Add	*2,579.53*	
33 05 61 00-0050		VLF	Riser For 12' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	4,874.78	240.74
			For Bitumastic Coating, Add	*161.21*	
			For Epoxy Coating, Add	*322.44*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*

Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,147.23	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,405.98	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,918.74	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,298.01	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,908.64	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,409.83	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,912.50	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,321.72	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,321.72	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,033.28	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,156.44	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,901.58	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,012.35	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,147.39	

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,677.69	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,073.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,291.08	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,701.72	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,186.33	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,719.71	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,141.62	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,011.64	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,574.43	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,564.53	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,992.06	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,841.13	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,405.19	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	20,677.18	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,682.56	
33 05 63 00-0034		8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,982.86	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,450.90	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,484.66	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,073.20	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,161.38	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,871.87	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,582.39	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,827.12	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	21,095.88	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,826.26	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	13,780.64	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,796.43	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	22,208.52	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	20,074.98	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,787.77	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,602.14	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	21,466.17	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,414.14	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,333.89	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	4,172.58	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,632.70	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	7,035.64	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	8,696.05	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	11,946.84	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	6,303.79	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	8,696.05	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	11,169.26	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	13,935.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	19,666.90	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	412.36	34.12
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	365.93	75.76
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	558.26	113.63
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	644.96	113.63
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	616.31	113.63
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	741.36	113.63
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	722.49	113.63
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	975.70	113.63
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,383.71	151.51
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,928.64	151.51
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,271.35	208.32
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,442.00	208.32
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,329.75	208.32
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,358.68	227.27
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,917.66	227.27
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,374.78	227.27
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,455.95	227.27
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,926.22	324.91
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,767.52	324.91
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	525.63	34.12
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	693.16	113.63
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	832.73	113.63
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	770.26	113.63
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	877.13	113.63
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	905.16	113.63
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,159.94	113.63
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,558.22	208.32
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,728.87	208.32
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,616.65	208.32
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,261.45	324.91
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,109.15	324.91
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	671.39	34.12
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	568.87	34.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	482.60	113.63
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	543.09	113.63
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	163.91	34.12
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	249.64	34.12
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	398.44	34.12
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.45	34.12
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.65	75.76
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	387.27	75.76
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	245.96	34.12
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	279.70	34.12
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	384.40	75.76
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	430.84	75.76
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	400.78	75.76
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	485.41	113.63
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	530.96	113.63
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	564.84	113.63
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	615.85	113.63
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	717.59	113.63
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	779.30	113.63
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	846.83	113.63
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	889.29	113.63
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,063.61	151.51
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,086.49	208.32
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,382.24	208.32
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,655.33	208.32
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,827.79	208.32
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,999.34	208.32
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,254.44	324.91
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,649.85	324.91
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,868.89	324.91
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,287.74	324.91
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,283.44	324.91
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,439.79	324.91
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,740.47	324.91
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,525.43	348.13
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,737.72	348.13
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,008.75	348.13
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,117.20	348.13
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,154.90	348.13
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,567.87	348.13
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,765.86	348.13
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,636.03	348.13
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,090.68	371.33
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,037.46	371.33
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,448.45	371.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0154		**Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	639.65	113.63
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	729.39	113.63
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	271.47	34.12
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	388.64	34.12
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	518.16	34.12
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	536.19	34.12
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	477.58	75.76
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	496.80	75.76
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	522.50	75.76
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	363.24	34.12
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	427.74	34.12
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	521.88	75.76
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	568.32	75.76
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	539.72	75.76
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	638.79	113.63
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	684.90	113.63
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	747.86	113.63
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	798.55	113.63
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	899.99	113.63
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	961.97	113.63
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,029.21	113.63
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,071.97	113.63
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,315.95	151.51
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,373.38	208.32
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,668.79	208.32
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,941.58	208.32
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,113.77	208.32
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,285.88	208.32
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,981.92	324.91
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,201.28	324.91
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,619.81	324.91
33 05 63 00-0186		**Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	589.50	113.63
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	681.73	113.63
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	202.91	34.12
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	328.44	34.12
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	468.06	34.12
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	486.42	34.12
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.60	75.76
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	498.05	75.76
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.47	34.12
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	470.86	75.76
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	537.45	75.76
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.17	75.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	631.72	113.63
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	722.76	113.63
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	753.03	113.63
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.12	113.63
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	891.43	113.63
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	954.04	113.63
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,066.14	113.63
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,081.77	113.63
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,335.51	151.51
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,398.73	208.32
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,724.97	208.32
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,047.62	208.32
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,261.92	208.32
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,476.22	208.32
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,653.71	324.91
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,049.15	324.91
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,285.28	324.91
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,703.84	324.91
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,888.46	324.91
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,946.27	324.91
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,507.13	324.91
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,259.37	348.13
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,369.06	348.13
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,680.22	348.13
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,915.73	348.13
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,600.94	348.13
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,443.19	348.13
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,863.17	348.13
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,241.08	348.13
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,130.17	371.33
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,077.33	371.33
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,179.24	371.33
33 05 63 00-0231		**Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	746.53	113.63
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	868.39	113.63
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.60	34.12
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.17	34.12
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	587.53	34.12
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	606.13	34.12
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	582.08	75.76
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	635.20	75.76
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	440.93	34.12
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	607.72	75.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	674.31	75.76
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	587.87	75.76
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	785.72	113.63
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	876.76	113.63
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	935.71	113.63
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,007.82	113.63
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,074.11	113.63
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,136.74	113.63
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,248.87	113.63
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,264.44	113.63
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,587.53	151.51
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,685.60	208.32
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,011.55	208.32
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,333.84	208.32
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,548.30	208.32
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,762.77	208.32
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,381.52	324.91
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,617.97	324.91
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,036.23	324.91
33 05 63 00-0261		**Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	627.79	113.63
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	423.80	75.76
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	475.14	75.76
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	561.15	113.63
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	440.62	75.76
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	489.79	75.76
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	465.57	113.63
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	519.07	113.63
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	600.51	151.51
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	653.04	151.51
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	780.14	208.32
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,338.23	324.91
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,280.80	324.91
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,293.33	324.91
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,731.91	348.13
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,723.39	371.33
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,557.69	371.33
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	746.32	113.63
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	779.00	113.63
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	839.99	151.51
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	893.09	151.51
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,042.81	208.32
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,651.99	324.91
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	586.53	113.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	651.00	113.63
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	872.65	208.32
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,670.42	348.13
33 05 63 00-0290		Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0069)*		
33 05 63 00-0291		Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	160.23	15.17
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	162.29	15.17
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	150.51	15.17
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	162.69	15.17
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	164.25	15.15
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	188.24	15.15
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	217.91	15.15
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,420.34	41.77
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,243.38	41.77
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,859.75	41.77
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,880.76	41.77
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,130.16	41.77
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,320.66	41.77
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,727.12	41.77
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	137.41	15.15
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	196.31	15.15
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	199.04	15.15
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	250.08	15.15
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	188.99	15.15
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	295.60	15.15
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	232.37	15.15
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	475.49	15.15
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	417.47	22.73
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	522.70	22.73
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	673.44	26.51
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	942.22	32.49
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	979.28	61.88
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	253.14	15.15
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	360.38	15.15
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	409.88	15.15
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	680.66	15.15
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	562.12	22.73
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	948.97	26.51
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,240.68	32.49
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,674.04	41.77
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,488.64	41.77
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,078.22	41.77
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,705.25	41.77
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,590.87	41.77
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,931.32	41.77
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	6,070.81	41.77
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	332.59	15.15
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	363.57	15.15
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	478.30	15.15
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	544.89	15.15
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	940.86	15.15
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	684.74	22.73
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	935.43	22.73
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,449.57	26.51
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,656.15	32.49
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,723.16	61.88
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,993.25	41.77
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,781.53	41.77
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,890.30	41.77
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,471.85	41.77
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,751.63	41.77
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	8,876.11	41.77
33 05 63 00-0349		Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*		
33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	183.82	15.17
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	194.19	15.17
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	197.55	15.15
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	198.82	15.15
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	229.23	15.15
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	146.97	15.15
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	206.11	15.15
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	208.00	15.15
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	260.18	15.15
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	199.99	15.15
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	243.99	15.15
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	306.30	15.15
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	424.65	22.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	533.72	22.73
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	990.60	61.88
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	122.67	15.17
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	190.94	15.17
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	212.22	15.17
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	202.77	15.17
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	167.30	15.15
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	262.92	15.15
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	285.02	15.15
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	370.77	15.15
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	421.17	15.15
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	572.22	22.73
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	713.93	22.73
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,303.71	61.88

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	99.19	15.17
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	117.55	15.17
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	142.28	15.17
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	153.27	15.17
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	152.95	15.15
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	181.11	15.15
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	208.79	15.15
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	504.66	22.73
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	938.07	61.88
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,404.88	41.77
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,225.92	41.77
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,831.02	41.77
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,767.03	41.77
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,113.48	41.77
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,259.02	41.77
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,608.68	41.77
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	132.18	15.15
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	129.12	15.15
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	189.70	15.15
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	208.25	15.15
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	235.43	15.15
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	179.52	15.15
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	199.99	15.15
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	282.77	15.15
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	409.16	22.73
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	510.38	22.73
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	504.36	22.73
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	904.64	32.49
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	938.07	37.13

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,462.53	41.77
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,115.62	41.77
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,227.32	61.88
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,626.00	61.88
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,736.76	41.77
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,365.31	41.77

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	572.41	22.73
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,059.85	32.49
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,108.53	61.88
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	94.08	15.17
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	154.25	15.17
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	169.46	15.17
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	179.54	15.17
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	157.83	15.15
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	276.05	15.15
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	765.70	22.73
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,408.44	32.49
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,476.34	61.88

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,188.68	314.55
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,010.91	471.83
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*128.71*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,424.89	629.10
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*230.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,524.45	629.10
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*294.52*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,957.40	786.38
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*357.18*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	3,122.73	786.38
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*385.71*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,599.76	943.66
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*452.92*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	4,129.43	1,100.93
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*613.40*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	4,090.71	943.66
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*642.24*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	4,132.94	943.66
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*472.04*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	918.33	314.55
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	1,085.90	353.87
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	1,342.38	393.19
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	95.74	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	76.16	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	105.24	

33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames, City Type As Manufactured By NEENAH Foundry Company *(33 05 81 00-0006)*

33 05 81 00-0008	EA	32" Solid Pattern Lid With Frame, Neenah # R-1557A	1,509.29	186.75
33 05 81 00-0009	EA	24-1/2" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy-Duty (Syracuse Casting #1032)	1,059.41	145.89
33 05 81 00-0010	EA	27-1/8" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy-Duty (Syracuse Casting #1009-8)	1,164.32	161.94
33 05 81 00-0011	EA	33" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy-Duty (Syracuse Casting #1016A)	1,532.14	182.37

33 05 81 00-0012 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0013	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,951.04	103.59
		For Ductile Iron Castings, Add	*2,477.10*	
33 05 81 00-0014	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,996.59	103.59
		For Ductile Iron Castings, Add	*2,485.22*	
33 05 81 00-0015	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,060.04	121.10
		For Ductile Iron Castings, Add	*2,501.60*	
33 05 81 00-0016	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,861.03	135.69
		For Ductile Iron Castings, Add	*3,033.60*	
33 05 81 00-0017	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,663.12	138.60
		For Ductile Iron Castings, Add	*3,581.21*	
33 05 81 00-0018	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,971.38	141.52
		For Ductile Iron Castings, Add	*3,791.99*	
33 05 81 00-0019	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,247.12	145.89
		For Ductile Iron Castings, Add	*3,979.79*	

33 05 81 00-0020 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0021	EA	Removal And Reinstallation Of Manhole Cover And Frame	584.96	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	59.53	

33 05 83 00-0004 Rainguard Inflow Protectors *(33 05 83)*

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	177.65	32.07
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	201.86	32.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	241.46	38.48
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	256.76	38.48
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	316.50	44.89
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	335.28	44.89

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	4' Diameter, Precast Concrete Manhole Slab Top	850.80	118.17
33 05 84 00-0005	EA	5' Diameter, Precast Concrete Manhole Slab Top	1,133.28	126.93
33 05 84 00-0006	EA	6' Diameter, Precast Concrete Manhole Slab Top	1,580.29	135.69
33 05 84 00-0007	EA	7' Diameter, Precast Concrete Manhole Slab Top	2,360.87	145.89
33 05 84 00-0008	EA	8' Diameter, Precast Concrete Manhole Slab Top	3,197.82	156.84
33 05 84 00-0009	EA	10' Diameter, Precast Concrete Manhole Slab Top	5,248.48	167.78
33 05 84 00-0010	EA	12' Diameter, Precast Concrete Manhole Slab Top	7,405.39	180.55

33 05 84 00-0011 Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

33 05 84 00-0012	EA	4' Diameter, Precast Concrete Manhole Cone Top	967.52	147.72
33 05 84 00-0013	EA	5' Diameter, Precast Concrete Manhole Cone Top	1,857.28	158.66
33 05 84 00-0014	EA	6' Diameter, Precast Concrete Manhole Cone Top	2,723.49	175.08

33 05 84 00-0015 Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*

33 05 84 00-0016	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,451.98	126.93
33 05 84 00-0017	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,848.96	135.69
33 05 84 00-0018	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,408.06	135.69
33 05 84 00-0019	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,751.40	135.69
33 05 84 00-0020	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,796.49	135.69
33 05 84 00-0021	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,901.00	135.69

33 05 84 00-0022 Pipe To Manhole Connector *(33 05 84 00-0001)*

33 05 84 00-0023 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0022)*

33 05 84 00-0024	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	106.49
33 05 84 00-0025	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	152.82
33 05 84 00-0026	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	172.50
33 05 84 00-0027	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	254.73
33 05 84 00-0028	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	353.43
33 05 84 00-0029	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	470.17
33 05 84 00-0030	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	832.27
33 05 84 00-0031	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,152.30
33 05 84 00-0032	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,800.20
33 05 84 00-0033	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,125.00

33 05 84 00-0034 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0022)*

Note: Fernco CMA.

33 05 84 00-0035	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	140.23
33 05 84 00-0036	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	193.67
33 05 84 00-0037	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	244.38
33 05 84 00-0038	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	294.88
33 05 84 00-0039	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	342.32

33 05 84 00-0040 Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0022)*

33 05 84 00-0041	EA	Seal Gap Between Pipe And Structure With Brick And Grout	352.13

33 05 84 00-0042 Inverts For Manholes *(33 05 84 00-0001)*

33 05 84 00-0043	EA	Single Channel Concrete Invert For Manholes	538.64
33 05 84 00-0044	EA	Double Channel Concrete Invert For Manholes	781.91
33 05 84 00-0045	EA	Triple Channel Concrete Invert For Manholes	1,051.30
33 05 84 00-0046	EA	Quad Channel Concrete Invert For Manholes	1,320.66
33 05 84 00-0047	EA	Single Channel Brick Invert For Manholes	783.51
33 05 84 00-0048	EA	Double Channel Brick Invert For Manholes	1,173.40
33 05 84 00-0049	EA	Triple Channel Brick Invert For Manholes	1,570.13
33 05 84 00-0050	EA	Quad Channel Brick Invert For Manholes	1,961.82

33 05 84 00-0051 Protective Coating For New Manholes *(33 05 84 00-0001)*

33 05 84 00-0052 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0051)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	248.50	
		For 80 Mil Material, Add	*34.98*	
		For 100 Mil Material, Add	*69.96*	
		For 125 Mil Material, Add	*110.21*	
		For 150 Mil Material, Add	*150.46*	
		For 200 Mil Material, Add	*221.70*	
		For 2 To 5 Manholes, Deduct	*-17.06*	
		For 6 To 10 Manholes, Deduct	*-27.90*	
		For >10 Manholes, Deduct	*-55.80*	
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	300.28	
		For 80 Mil Material, Add	*41.60*	
		For 100 Mil Material, Add	*83.21*	
		For 125 Mil Material, Add	*130.97*	
		For 150 Mil Material, Add	*178.73*	
		For 200 Mil Material, Add	*262.93*	
		For 2 To 5 Manholes, Deduct	*-20.67*	
		For 6 To 10 Manholes, Deduct	*-33.84*	
		For >10 Manholes, Deduct	*-67.68*	
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	331.34	
		For 80 Mil Material, Add	*46.64*	
		For 100 Mil Material, Add	*93.28*	
		For 125 Mil Material, Add	*146.94*	
		For 150 Mil Material, Add	*200.61*	
		For 200 Mil Material, Add	*295.59*	
		For 2 To 5 Manholes, Deduct	*-22.74*	
		For 6 To 10 Manholes, Deduct	*-37.20*	
		For >10 Manholes, Deduct	*-74.40*	
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	414.24	
		For 80 Mil Material, Add	*58.32*	
		For 100 Mil Material, Add	*116.64*	
		For 125 Mil Material, Add	*183.76*	
		For 150 Mil Material, Add	*250.87*	
		For 200 Mil Material, Add	*369.66*	
		For 2 To 5 Manholes, Deduct	*-28.43*	
		For 6 To 10 Manholes, Deduct	*-46.51*	
		For >10 Manholes, Deduct	*-93.01*	
33 05 84 00-0057	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	480.60	
		For 80 Mil Material, Add	*68.74*	
		For 100 Mil Material, Add	*137.49*	
		For 125 Mil Material, Add	*216.78*	
		For 150 Mil Material, Add	*296.08*	
		For 200 Mil Material, Add	*436.96*	
		For 2 To 5 Manholes, Deduct	*-32.88*	
		For 6 To 10 Manholes, Deduct	*-53.75*	
		For >10 Manholes, Deduct	*-107.49*	

33 05 84 00-0058 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0051)*

Note: For new manholes and shop applied.

33 05 84 00-0059	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43
33 05 84 00-0060	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59
33 05 84 00-0061	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92
33 05 84 00-0062	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74
33 05 84 00-0063	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56
33 05 84 00-0064	SF	Polyvinyl Chloride (PVC) Liner At Structures	46.32

33 05 84 00-0065 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0066 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0065)*

33 05 84 00-0067	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	111.31
33 05 84 00-0068	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	120.43
33 05 84 00-0069	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	129.56
33 05 84 00-0070	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	138.69

33 05 84 00-0071 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0065)*

33 05 84 00-0072	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	124.82
33 05 84 00-0073	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	135.20
33 05 84 00-0074	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	145.57
33 05 84 00-0075	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	155.95

33 05 84 00-0076 30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0065)*

33 05 84 00-0077	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	138.09
33 05 84 00-0078	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	149.66
33 05 84 00-0079	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	161.22
33 05 84 00-0080	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	172.79

33 05 84 00-0081 Bentonite Collar *(33 05 84 00-0001)*

33 05 84 00-0082 Bentonite Collar At Manhole Connections *(33 05 84 00-0081)*

33 05 84 00-0083	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	185.94
33 05 84 00-0084	EA	>12" To 21", Bentonite Collar At Manhole Connection	294.78
33 05 84 00-0085	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	469.48
33 05 84 00-0086	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	1,100.10
33 05 84 00-0087	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,700.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0088	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	3,083.43	

33 05 84 00-0089 Waste Water Collection System Taps *(33 05 84)*
Note: For tapping existing structures only. Includes grout.

33 05 84 00-0090 Precast Concrete Manhole Tap *(33 05 84 00-0089)*

33 05 84 00-0091	EA	4" Tap In Existing Precast Concrete Manhole	1,038.69	
33 05 84 00-0092	EA	6" Tap In Existing Precast Concrete Manhole	1,164.42	
33 05 84 00-0093	EA	8" Tap In Existing Precast Concrete Manhole	1,300.78	
33 05 84 00-0094	EA	10" Tap In Existing Precast Concrete Manhole	1,424.02	
33 05 84 00-0095	EA	12" Tap In Existing Precast Concrete Manhole	1,547.01	
33 05 84 00-0096	EA	15" Tap In Existing Precast Concrete Manhole	1,672.99	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*
Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	10.13	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	13.72	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*
Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	10.11	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	13.39	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	20.58	

33 10 Water Utilities *(33)*

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*
See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*
Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	101.04	17.37
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*52.33*	
		For Cement Mortar Lining (CML), Add	*7.48*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*40.37*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.61*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.05*	
		For Class 52, Add	*22.72*	
		For Class 53, Add	*41.05*	
		For Class 54, Add	*58.61*	
		For Class 55, Add	*67.32*	
		For Class 56, Add	*75.87*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	110.14	18.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*57.49*	
		For Cement Mortar Lining (CML), Add	*8.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*44.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.16*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.51*	
		For Class 51, Add	*11.54*	
		For Class 52, Add	*24.94*	
		For Class 53, Add	*45.06*	
		For Class 54, Add	*64.34*	
		For Class 55, Add	*73.90*	
		For Class 56, Add	*83.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	118.48	19.41
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*62.41*	
		For Cement Mortar Lining (CML), Add	*8.92*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*48.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.92*	
		For Class 51, Add	*12.52*	
		For Class 52, Add	*27.04*	
		For Class 53, Add	*48.88*	
		For Class 54, Add	*69.79*	
		For Class 55, Add	*80.15*	
		For Class 56, Add	*90.32*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	144.59	20.17
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*79.82*	
		For Cement Mortar Lining (CML), Add	*11.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*61.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.55*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.23*	
		For Class 51, Add	*15.92*	
		For Class 52, Add	*34.41*	
		For Class 53, Add	*62.25*	
		For Class 54, Add	*88.92*	
		For Class 55, Add	*102.09*	
		For Class 56, Add	*115.01*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	192.11	28.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*89.02*	
		For Cement Mortar Lining (CML), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*74.18*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.13*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.61*	
		For Class 51, Add	*20.77*	
		For Class 52, Add	*44.87*	
		For Class 53, Add	*81.15*	
		For Class 54, Add	*115.89*	
		For Class 55, Add	*133.07*	
		For Class 56, Add	*149.94*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	238.10	32.09
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*94.74*	
		For Cement Mortar Lining (CML), Add	*18.95*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*75.79*	
		For Fusion Bonded Epoxy Lining (206N), Add	*34.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.91*	
		For Class 51, Add	*26.43*	
		For Class 52, Add	*57.13*	
		For Class 53, Add	*103.37*	
		For Class 54, Add	*147.65*	
		For Class 55, Add	*169.50*	
		For Class 56, Add	*190.95*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	289.67	36.03
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*103.39*	
		For Cement Mortar Lining (CML), Add	*23.50*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*79.89*	
		For Fusion Bonded Epoxy Lining (206N), Add	*42.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.62*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-14.48*	
		For Class 51, Add	*32.71*	
		For Class 52, Add	*70.71*	
		For Class 53, Add	*127.98*	
		For Class 54, Add	*182.82*	
		For Class 55, Add	*209.85*	
		For Class 56, Add	*236.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	325.93	41.27
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*108.01*	
		For Cement Mortar Lining (CML), Add	*26.34*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*81.66*	
		For Fusion Bonded Epoxy Lining (206N), Add	*47.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.76*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.30*	
		For Class 51, Add	*36.69*	
		For Class 52, Add	*79.30*	
		For Class 53, Add	*143.52*	
		For Class 54, Add	*205.02*	
		For Class 55, Add	*235.33*	
		For Class 56, Add	*265.09*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	410.76	48.12
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*138.51*	
		For Cement Mortar Lining (CML), Add	*33.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*104.73*	
		For Fusion Bonded Epoxy Lining (206N), Add	*60.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.34*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-20.54*	
		For Class 51, Add	*46.96*	
		For Class 52, Add	*101.52*	
		For Class 53, Add	*183.78*	
		For Class 54, Add	*262.57*	
		For Class 55, Add	*301.35*	
		For Class 56, Add	*339.42*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	459.55	57.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*141.38*	
		For Cement Mortar Lining (CML), Add	*37.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*104.17*	
		For Fusion Bonded Epoxy Lining (206N), Add	*66.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.90*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-22.98*	
		For Class 51, Add	*51.80*	
		For Class 52, Add	*111.98*	
		For Class 53, Add	*202.66*	
		For Class 54, Add	*289.51*	
		For Class 55, Add	*332.31*	
		For Class 56, Add	*374.33*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	608.71	72.19
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*154.79*	
		For Cement Mortar Lining (CML), Add	*49.93*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*104.86*	
		For Fusion Bonded Epoxy Lining (206N), Add	*89.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-30.44*	
		For Class 51, Add	*69.43*	
		For Class 52, Add	*150.09*	
		For Class 53, Add	*271.69*	
		For Class 54, Add	*388.16*	
		For Class 55, Add	*445.50*	
		For Class 56, Add	*501.79*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	820.80	77.73
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*218.28*	
		For Cement Mortar Lining (CML), Add	*70.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.81*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-41.04*	
		For Class 51, Add	*97.43*	
		For Class 52, Add	*210.71*	
		For Class 53, Add	*381.72*	
		For Class 54, Add	*545.48*	
		For Class 55, Add	*625.87*	
		For Class 56, Add	*704.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	1,004.43	82.55
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*272.95*	
		For Cement Mortar Lining (CML), Add	*88.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.04*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-50.22*	
		For Class 51, Add	*121.56*	
		For Class 52, Add	*262.93*	
		For Class 53, Add	*476.49*	
		For Class 54, Add	*680.99*	
		For Class 55, Add	*781.24*	
		For Class 56, Add	*879.64*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,265.48	87.35
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*351.61*	
		For Cement Mortar Lining (CML), Add	*113.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.07*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-63.27*	
		For Class 51, Add	*156.24*	
		For Class 52, Add	*337.99*	
		For Class 53, Add	*612.76*	
		For Class 54, Add	*875.84*	
		For Class 55, Add	*1,004.62*	
		For Class 56, Add	*1,131.03*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,584.24	92.31
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*448.16*	
		For Cement Mortar Lining (CML), Add	*144.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*260.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*108.43*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-79.21*	
		For Class 51, Add	*198.78*	
		For Class 52, Add	*430.09*	
		For Class 53, Add	*779.94*	
		For Class 54, Add	*1,114.90*	
		For Class 55, Add	*1,278.70*	
		For Class 56, Add	*1,439.46*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	210.57	54.85
		For Cement Mortar Lining (CML), Add	*12.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	238.02	65.55
		For Cement Mortar Lining (CML), Add	*13.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	373.48	96.88
		For Cement Mortar Lining (CML), Add	*22.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	504.06	114.91
		For Cement Mortar Lining (CML), Add	*32.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	718.78	128.05
		For Cement Mortar Lining (CML), Add	*52.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	934.12	150.21
		For Cement Mortar Lining (CML), Add	*70.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*127.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.00*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,437.90	168.45
		For Cement Mortar Lining (CML), Add	*118.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,897.97	192.51
		For Cement Mortar Lining (CML), Add	*160.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,342.58	269.51
		For Cement Mortar Lining (CML), Add	*193.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*348.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,207.55	336.89
		For Cement Mortar Lining (CML), Add	*269.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*485.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*202.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,705.84	448.60
		For Cement Mortar Lining (CML), Add	*402.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*724.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,189.98	481.27
		For Cement Mortar Lining (CML), Add	*646.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,162.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*484.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,857.66	499.65
		For Cement Mortar Lining (CML), Add	*1,010.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,818.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*757.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,195.62	577.53
		For Cement Mortar Lining (CML), Add	*1,732.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,117.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,299.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	24,026.26	614.42
		For Cement Mortar Lining (CML), Add	*2,309.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,157.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,732.15*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	197.45	54.85
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	213.65	65.55
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	330.37	96.88
		For Cement Mortar Lining (CML), Add	*18.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.78*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	442.21	114.91
		For Cement Mortar Lining (CML), Add	*26.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	585.70	128.05
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	812.29	150.21
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,175.49	168.45
		For Cement Mortar Lining (CML), Add	*92.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,438.76	192.51
		For Cement Mortar Lining (CML), Add	*114.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	2,053.93	269.51
		For Cement Mortar Lining (CML), Add	*164.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*296.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,268.51	336.89
		For Cement Mortar Lining (CML), Add	*175.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,350.71	448.60
		For Cement Mortar Lining (CML), Add	*267.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,155.36	481.27
		For Cement Mortar Lining (CML), Add	*542.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*976.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,690.95	499.65
		For Cement Mortar Lining (CML), Add	*793.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,428.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	13,065.61	577.53
		For Cement Mortar Lining (CML), Add	*1,219.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,194.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	16,905.72	614.42
		For Cement Mortar Lining (CML), Add	*1,597.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,875.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,198.11*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	173.09	54.85
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	208.03	65.55
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	315.38	96.88
		For Cement Mortar Lining (CML), Add	*16.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	436.58	114.91
		For Cement Mortar Lining (CML), Add	*26.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	583.83	128.05
		For Cement Mortar Lining (CML), Add	*38.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	739.19	150.21
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,186.74	168.45
		For Cement Mortar Lining (CML), Add	*93.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,391.91	192.51
		For Cement Mortar Lining (CML), Add	*110.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,759.66	269.51
		For Cement Mortar Lining (CML), Add	*135.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*243.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,347.23	336.89
		For Cement Mortar Lining (CML), Add	*183.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,144.53	448.60
		For Cement Mortar Lining (CML), Add	*246.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*443.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,276.30	481.27
		For Cement Mortar Lining (CML), Add	*454.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*818.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*341.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,422.03	499.65
		For Cement Mortar Lining (CML), Add	*666.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,199.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*499.88*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,938.25	577.53
		For Cement Mortar Lining (CML), Add	*1,006.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,034.26	614.42
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067		Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	173.09	54.85
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	202.41	65.55
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	321.00	96.88
		For Cement Mortar Lining (CML), Add	*17.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	412.22	114.91
		For Cement Mortar Lining (CML), Add	*23.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	580.08	128.05
		For Cement Mortar Lining (CML), Add	*38.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	707.33	150.21
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,317.94	168.45
		For Cement Mortar Lining (CML), Add	*106.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,455.63	192.51
		For Cement Mortar Lining (CML), Add	*116.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,115.79	269.51
		For Cement Mortar Lining (CML), Add	*170.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,240.40	336.89
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,987.09	448.60
		For Cement Mortar Lining (CML), Add	*230.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*415.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,358.77	481.27
		For Cement Mortar Lining (CML), Add	*462.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*833.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*347.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,084.65	499.65
		For Cement Mortar Lining (CML), Add	*632.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,138.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*474.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,479.05	577.53
		For Cement Mortar Lining (CML), Add	*960.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,728.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*720.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,944.29	614.42
		For Cement Mortar Lining (CML), Add	*1,301.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,342.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*976.01*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	216.20	54.85
		For Cement Mortar Lining (CML), Add	*13.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	264.26	65.55
		For Cement Mortar Lining (CML), Add	*16.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	420.34	96.88
		For Cement Mortar Lining (CML), Add	*27.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	565.91	114.91
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	808.75	128.05
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,031.58	150.21
		For Cement Mortar Lining (CML), Add	*80.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,750.91	168.45
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,660.82	192.51
		For Cement Mortar Lining (CML), Add	*236.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*426.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,099.80	269.51
		For Cement Mortar Lining (CML), Add	*269.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,204.68	336.89
		For Cement Mortar Lining (CML), Add	*369.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,118.19	448.60
		For Cement Mortar Lining (CML), Add	*443.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*798.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*332.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,469.15	481.27
		For Cement Mortar Lining (CML), Add	*874.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,573.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*655.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	16,862.98	499.65
		For Cement Mortar Lining (CML), Add	*1,610.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,899.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,207.95*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	199.33	54.85
		For Cement Mortar Lining (CML), Add	*11.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	219.28	65.55
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	350.99	96.88
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	502.19	114.91
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	681.29	128.05
		For Cement Mortar Lining (CML), Add	*48.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*87.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	921.00	150.21
		For Cement Mortar Lining (CML), Add	*69.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.01*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,554.10	168.45
		For Cement Mortar Lining (CML), Add	*129.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,351.56	192.51
		For Cement Mortar Lining (CML), Add	*205.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*370.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,786.79	269.51
		For Cement Mortar Lining (CML), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,616.15	336.89
		For Cement Mortar Lining (CML), Add	*310.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*559.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,550.27	448.60
		For Cement Mortar Lining (CML), Add	*387.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,331.44	481.27
		For Cement Mortar Lining (CML), Add	*760.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,368.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*570.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	14,769.37	499.65
		For Cement Mortar Lining (CML), Add	*1,401.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,522.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,050.93*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	342.10	82.30
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	356.77	91.96
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	328.50	96.88
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	436.05	122.02
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	498.01	127.06
		For Cement Mortar Lining (CML), Add	*30.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.91*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	543.44	142.25
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	577.35	147.25
		For Cement Mortar Lining (CML), Add	*35.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	654.62	162.38
		For Cement Mortar Lining (CML), Add	*40.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	754.26	172.50
		For Cement Mortar Lining (CML), Add	*49.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*88.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	784.66	159.14
		For Cement Mortar Lining (CML), Add	*54.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	789.68	173.58
		For Cement Mortar Lining (CML), Add	*52.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	894.24	183.20
		For Cement Mortar Lining (CML), Add	*61.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	996.42	192.51
		For Cement Mortar Lining (CML), Add	*70.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	935.67	178.40
		For Cement Mortar Lining (CML), Add	*66.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	1,060.62	192.82
		For Cement Mortar Lining (CML), Add	*76.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,294.51	202.45
		For Cement Mortar Lining (CML), Add	*98.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,385.44	211.75
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,319.43	221.38
		For Cement Mortar Lining (CML), Add	*98.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.80*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,405.02	224.68
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,560.21	234.32
		For Cement Mortar Lining (CML), Add	*120.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,979.15	243.61
		For Cement Mortar Lining (CML), Add	*161.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,113.69	253.23
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	2,045.99	269.22
		For Cement Mortar Lining (CML), Add	*163.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*294.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*122.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,782.09	269.49
		For Cement Mortar Lining (CML), Add	*137.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*247.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,914.90	279.14
		For Cement Mortar Lining (CML), Add	*149.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*268.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*111.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,221.38	288.43
		For Cement Mortar Lining (CML), Add	*178.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*133.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,427.14	298.05
		For Cement Mortar Lining (CML), Add	*197.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,910.48	313.99
		For Cement Mortar Lining (CML), Add	*243.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,760.75	336.46
		For Cement Mortar Lining (CML), Add	*225.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*405.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*168.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,468.12	344.91
		For Cement Mortar Lining (CML), Add	*194.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,643.93	354.53
		For Cement Mortar Lining (CML), Add	*210.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*379.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.01*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,856.69	363.84
		For Cement Mortar Lining (CML), Add	*230.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	3,068.08	373.46
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,157.81	389.39
		For Cement Mortar Lining (CML), Add	*256.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*462.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,369.82	411.81
		For Cement Mortar Lining (CML), Add	*274.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,938.63	449.48
		For Cement Mortar Lining (CML), Add	*325.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*586.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,938.60	494.60
		For Cement Mortar Lining (CML), Add	*218.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	3,001.94	504.24
		For Cement Mortar Lining (CML), Add	*223.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*402.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,261.56	513.53
		For Cement Mortar Lining (CML), Add	*248.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*447.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,519.81	523.15
		For Cement Mortar Lining (CML), Add	*272.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*490.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*204.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,564.55	539.08
		For Cement Mortar Lining (CML), Add	*274.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,620.99	561.49
		For Cement Mortar Lining (CML), Add	*277.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*498.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*207.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,525.33	599.20
		For Cement Mortar Lining (CML), Add	*361.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	4,023.95	674.07
		For Cement Mortar Lining (CML), Add	*300.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*540.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,608.93	643.84
		For Cement Mortar Lining (CML), Add	*263.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,657.27	654.38
		For Cement Mortar Lining (CML), Add	*266.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	4,016.23	662.77
		For Cement Mortar Lining (CML), Add	*301.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*542.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	4,115.14	672.40
		For Cement Mortar Lining (CML), Add	*309.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,615.35	688.32
		For Cement Mortar Lining (CML), Add	*357.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*643.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,977.32	710.72
		For Cement Mortar Lining (CML), Add	*390.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*702.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*292.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,641.73	748.44
		For Cement Mortar Lining (CML), Add	*450.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*811.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	6,251.83	823.27
		For Cement Mortar Lining (CML), Add	*500.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*900.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,817.57	897.94
		For Cement Mortar Lining (CML), Add	*445.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	6,179.57	759.51
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,502.92	768.81
		For Cement Mortar Lining (CML), Add	*533.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*960.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*400.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,826.77	778.43
		For Cement Mortar Lining (CML), Add	*564.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,016.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*423.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,289.50	794.38
		For Cement Mortar Lining (CML), Add	*608.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,095.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*456.44*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,792.04	1,056.90
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	8,006.60	854.47
		For Cement Mortar Lining (CML), Add	*671.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,208.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,339.31	929.33
		For Cement Mortar Lining (CML), Add	*693.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,247.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*519.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,769.13	1,003.95
		For Cement Mortar Lining (CML), Add	*724.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,304.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*543.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	10,944.95	1,056.90
		For Cement Mortar Lining (CML), Add	*934.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,681.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*700.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,449.88	749.88
		For Cement Mortar Lining (CML), Add	*531.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*956.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*398.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,533.07	842.54
		For Cement Mortar Lining (CML), Add	*625.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,360.62	851.85
		For Cement Mortar Lining (CML), Add	*706.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,272.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*530.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,810.04	861.47
		For Cement Mortar Lining (CML), Add	*750.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,350.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*562.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	9,135.94	877.40
		For Cement Mortar Lining (CML), Add	*780.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,405.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*585.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,467.92	899.82
		For Cement Mortar Lining (CML), Add	*810.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,458.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*607.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	10,102.33	937.51
		For Cement Mortar Lining (CML), Add	*868.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,562.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*651.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,794.90	1,012.36
		For Cement Mortar Lining (CML), Add	*926.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.58*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	11,935.08	1,086.97
		For Cement Mortar Lining (CML), Add	*1,028.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,851.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*771.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	13,179.38	1,181.59
		For Cement Mortar Lining (CML), Add	*1,145.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,061.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*858.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	15,350.89	1,181.59
		For Cement Mortar Lining (CML), Add	*1,356.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,440.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,017.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	17,149.86	907.89
		For Cement Mortar Lining (CML), Add	*1,577.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,183.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	17,492.63	923.82
		For Cement Mortar Lining (CML), Add	*1,609.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,896.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,206.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	19,421.52	946.22
		For Cement Mortar Lining (CML), Add	*1,798.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,237.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,349.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	18,185.37	983.92
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	18,298.78	1,058.78
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	18,717.35	1,133.39
		For Cement Mortar Lining (CML), Add	*1,700.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,060.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,275.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	22,651.29	1,186.42
		For Cement Mortar Lining (CML), Add	*2,085.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,753.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,564.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	23,589.50	1,227.94
		For Cement Mortar Lining (CML), Add	*2,172.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,911.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,629.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	24,942.30	1,251.16
		For Cement Mortar Lining (CML), Add	*2,304.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,148.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,728.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	20,183.99	981.85
		For Cement Mortar Lining (CML), Add	*1,869.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,365.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,402.23*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	20,545.51	997.78
		For Cement Mortar Lining (CML), Add	*1,903.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,426.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,427.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	21,057.41	1,020.19
		For Cement Mortar Lining (CML), Add	*1,951.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,512.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,463.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	21,590.62	1,057.89
		For Cement Mortar Lining (CML), Add	*1,998.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,597.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,499.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	22,181.97	1,132.74
		For Cement Mortar Lining (CML), Add	*2,046.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,683.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,534.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	22,358.75	1,207.35
		For Cement Mortar Lining (CML), Add	*2,052.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,695.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,539.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	27,160.50	1,260.38
		For Cement Mortar Lining (CML), Add	*2,525.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,545.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,893.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	30,934.55	1,301.90
		For Cement Mortar Lining (CML), Add	*2,896.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,213.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,172.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	32,439.19	1,325.09
		For Cement Mortar Lining (CML), Add	*3,043.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,477.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,282.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	32,984.43	1,362.14
		For Cement Mortar Lining (CML), Add	*3,092.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,565.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,319.05*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	298.67	91.96
		For Cement Mortar Lining (CML), Add	*15.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	444.70	96.81
		For Cement Mortar Lining (CML), Add	*29.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	436.05	122.02
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	499.89	127.06
		For Cement Mortar Lining (CML), Add	*30.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	665.27	142.17
		For Cement Mortar Lining (CML), Add	*44.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	843.50	147.25
		For Cement Mortar Lining (CML), Add	*62.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	765.21	162.38
		For Cement Mortar Lining (CML), Add	*51.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	917.32	172.46
		For Cement Mortar Lining (CML), Add	*65.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,285.11	159.14
		For Cement Mortar Lining (CML), Add	*104.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*187.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,361.35	173.58
		For Cement Mortar Lining (CML), Add	*109.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*197.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,559.62	183.20
		For Cement Mortar Lining (CML), Add	*128.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,751.78	192.51
		For Cement Mortar Lining (CML), Add	*146.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*262.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*109.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,632.92	178.40
		For Cement Mortar Lining (CML), Add	*136.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,844.09	192.82
		For Cement Mortar Lining (CML), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*279.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*116.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,212.92	202.45
		For Cement Mortar Lining (CML), Add	*190.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*343.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,277.62	211.75
		For Cement Mortar Lining (CML), Add	*195.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.76*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,072.90	221.37
		For Cement Mortar Lining (CML), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*312.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,432.15	224.68
		For Cement Mortar Lining (CML), Add	*209.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,776.64	234.32
		For Cement Mortar Lining (CML), Add	*242.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,606.06	243.61
		For Cement Mortar Lining (CML), Add	*323.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*582.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*242.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,860.55	253.23
		For Cement Mortar Lining (CML), Add	*347.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*625.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*260.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,779.73	269.16
		For Cement Mortar Lining (CML), Add	*337.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*606.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*252.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,511.33	269.49
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,758.34	279.14
		For Cement Mortar Lining (CML), Add	*233.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*420.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,239.14	288.43
		For Cement Mortar Lining (CML), Add	*280.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,615.46	298.05
		For Cement Mortar Lining (CML), Add	*316.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*569.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*237.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,505.53	313.99
		For Cement Mortar Lining (CML), Add	*402.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,355.79	336.39
		For Cement Mortar Lining (CML), Add	*384.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*692.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*288.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,928.22	344.91
		For Cement Mortar Lining (CML), Add	*340.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*613.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.42*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,223.98	354.53
		For Cement Mortar Lining (CML), Add	*368.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*663.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,509.84	363.84
		For Cement Mortar Lining (CML), Add	*395.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*712.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*296.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,820.57	373.46
		For Cement Mortar Lining (CML), Add	*425.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*765.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,878.43	389.39
		For Cement Mortar Lining (CML), Add	*428.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*771.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,934.88	411.81
		For Cement Mortar Lining (CML), Add	*431.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*775.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*323.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,538.43	449.50
		For Cement Mortar Lining (CML), Add	*385.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*694.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,689.21	494.60
		For Cement Mortar Lining (CML), Add	*393.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*709.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*295.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,791.91	504.24
		For Cement Mortar Lining (CML), Add	*402.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,248.34	513.53
		For Cement Mortar Lining (CML), Add	*447.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*804.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*335.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,701.51	523.15
		For Cement Mortar Lining (CML), Add	*490.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*883.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,763.13	539.08
		For Cement Mortar Lining (CML), Add	*494.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*890.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,836.44	561.49
		For Cement Mortar Lining (CML), Add	*498.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*897.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*373.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,744.52	599.20
		For Cement Mortar Lining (CML), Add	*583.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,050.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*437.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,426.83	674.04
		For Cement Mortar Lining (CML), Add	*540.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*973.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*405.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,715.67	643.84
		For Cement Mortar Lining (CML), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*853.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,790.24	653.46
		For Cement Mortar Lining (CML), Add	*480.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*864.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*360.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,424.73	662.77
		For Cement Mortar Lining (CML), Add	*542.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*975.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,716.69	672.40
		For Cement Mortar Lining (CML), Add	*569.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,722.98	688.32
		For Cement Mortar Lining (CML), Add	*668.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,202.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*501.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,561.02	710.72
		For Cement Mortar Lining (CML), Add	*748.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,347.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,562.81	748.44
		For Cement Mortar Lining (CML), Add	*842.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,517.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*632.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,506.54	823.27
		For Cement Mortar Lining (CML), Add	*925.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,382.54	897.89
		For Cement Mortar Lining (CML), Add	*802.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,443.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*601.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,593.01	749.88
		For Cement Mortar Lining (CML), Add	*1,045.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,882.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*784.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,968.36	759.51
		For Cement Mortar Lining (CML), Add	*1,181.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,709.68	768.81
		For Cement Mortar Lining (CML), Add	*1,254.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,258.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*940.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,451.50	778.43
		For Cement Mortar Lining (CML), Add	*1,327.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,388.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*995.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,504.64	794.38
		For Cement Mortar Lining (CML), Add	*1,430.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,574.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,072.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	16,640.70	816.78
		For Cement Mortar Lining (CML), Add	*1,540.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,772.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,155.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	17,067.06	854.47
		For Cement Mortar Lining (CML), Add	*1,577.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,182.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	17,695.91	929.33
		For Cement Mortar Lining (CML), Add	*1,628.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,931.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,221.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,553.08	1,003.95
		For Cement Mortar Lining (CML), Add	*1,703.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,065.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,277.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	20,097.26	1,056.97
		For Cement Mortar Lining (CML), Add	*1,849.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,329.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,387.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	21,943.40	861.47
		For Cement Mortar Lining (CML), Add	*2,063.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,714.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,547.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	22,797.86	877.40
		For Cement Mortar Lining (CML), Add	*2,146.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,864.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,610.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	23,650.90	899.82
		For Cement Mortar Lining (CML), Add	*2,228.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,011.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,671.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	25,295.57	937.51
		For Cement Mortar Lining (CML), Add	*2,387.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,297.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,790.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	27,002.14	1,012.36
		For Cement Mortar Lining (CML), Add	*2,546.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,584.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,910.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	29,939.80	1,086.97
		For Cement Mortar Lining (CML), Add	*2,829.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,092.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,121.96*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	33,512.00	1,140.00
		For Cement Mortar Lining (CML), Add	*3,178.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,721.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,383.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	39,930.72	1,181.52
		For Cement Mortar Lining (CML), Add	*3,814.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,865.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,860.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,143.29	1,058.78
		For Cement Mortar Lining (CML), Add	*3,353.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,037.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,515.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	36,037.94	1,133.39
		For Cement Mortar Lining (CML), Add	*3,432.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,177.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,574.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	38,487.42	1,186.42
		For Cement Mortar Lining (CML), Add	*3,668.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,604.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,751.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	43,967.11	1,227.94
		For Cement Mortar Lining (CML), Add	*4,210.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,579.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,158.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	51,788.18	1,251.14
		For Cement Mortar Lining (CML), Add	*4,989.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,980.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,741.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,700.55	1,132.74
		For Cement Mortar Lining (CML), Add	*3,298.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,937.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,473.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	39,274.48	1,207.35
		For Cement Mortar Lining (CML), Add	*3,744.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,740.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,808.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	41,849.54	1,260.38
		For Cement Mortar Lining (CML), Add	*3,993.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,189.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,995.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	47,657.24	1,301.90
		For Cement Mortar Lining (CML), Add	*4,568.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,223.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	62,180.90	1,325.09
		For Cement Mortar Lining (CML), Add	*6,017.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10,831.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,512.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	68,234.75	1,362.09
		For Cement Mortar Lining (CML), Add	*6,617.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,910.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,962.82*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0286		Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	408.03	109.72
		For Cement Mortar Lining (CML), Add	*24.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	490.17	119.39
		For Cement Mortar Lining (CML), Add	*30.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	575.10	121.01
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	687.83	149.59
		For Cement Mortar Lining (CML), Add	*46.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	671.82	161.35
		For Cement Mortar Lining (CML), Add	*42.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	785.42	201.69
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	692.89	176.50
		For Cement Mortar Lining (CML), Add	*42.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross	825.22	216.84
		For Cement Mortar Lining (CML), Add	*49.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross	874.41	231.95
		For Cement Mortar Lining (CML), Add	*52.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross	836.80	186.12
		For Cement Mortar Lining (CML), Add	*55.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross	962.60	224.63
		For Cement Mortar Lining (CML), Add	*62.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,134.44	239.07
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.92*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,226.80	256.67
		For Cement Mortar Lining (CML), Add	*83.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross	1,007.26	202.13
		For Cement Mortar Lining (CML), Add	*70.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,172.43	240.64
		For Cement Mortar Lining (CML), Add	*80.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,661.03	255.09
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,687.79	272.75
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,908.86	288.76
		For Cement Mortar Lining (CML), Add	*147.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,945.48	264.69
		For Cement Mortar Lining (CML), Add	*154.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*278.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,278.52	279.14
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,342.75	296.80
		For Cement Mortar Lining (CML), Add	*189.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,472.00	312.81
		For Cement Mortar Lining (CML), Add	*199.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,731.47	336.89
		For Cement Mortar Lining (CML), Add	*222.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*399.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,223.29	298.36
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,520.71	312.81
		For Cement Mortar Lining (CML), Add	*204.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*368.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.51*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross	3,002.14	330.46
		For Cement Mortar Lining (CML), Add	*250.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,338.33	346.49
		For Cement Mortar Lining (CML), Add	*281.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*506.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross	4,015.80	370.54
		For Cement Mortar Lining (CML), Add	*345.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*621.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,690.94	404.27
		For Cement Mortar Lining (CML), Add	*407.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*734.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,629.03	352.80
		For Cement Mortar Lining (CML), Add	*309.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,834.63	367.26
		For Cement Mortar Lining (CML), Add	*327.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross	4,015.06	384.90
		For Cement Mortar Lining (CML), Add	*343.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*617.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,346.72	400.93
		For Cement Mortar Lining (CML), Add	*373.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross	5,056.05	424.97
		For Cement Mortar Lining (CML), Add	*441.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*794.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,384.47	458.63
		For Cement Mortar Lining (CML), Add	*468.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*844.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,650.63	513.07
		For Cement Mortar Lining (CML), Add	*487.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*877.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*365.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,561.79	442.65
		For Cement Mortar Lining (CML), Add	*389.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*700.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,769.24	457.10
		For Cement Mortar Lining (CML), Add	*407.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,917.82	474.76
		For Cement Mortar Lining (CML), Add	*419.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*755.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,247.61	490.78
		For Cement Mortar Lining (CML), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*810.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*337.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,345.89	514.84
		For Cement Mortar Lining (CML), Add	*456.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,439.04	548.50
		For Cement Mortar Lining (CML), Add	*560.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,009.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*420.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,705.20	602.95
		For Cement Mortar Lining (CML), Add	*579.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,042.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*434.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,270.58	692.73
		For Cement Mortar Lining (CML), Add	*622.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,119.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*466.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,201.43	553.74
		For Cement Mortar Lining (CML), Add	*536.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*965.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*402.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,347.46	568.19
		For Cement Mortar Lining (CML), Add	*548.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*987.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*411.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,587.45	585.84
		For Cement Mortar Lining (CML), Add	*569.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,795.41	601.86
		For Cement Mortar Lining (CML), Add	*588.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,059.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*441.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,923.68	625.92
		For Cement Mortar Lining (CML), Add	*597.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,075.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*448.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross	7,190.25	659.59
		For Cement Mortar Lining (CML), Add	*619.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,114.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*464.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,448.81	714.01
		For Cement Mortar Lining (CML), Add	*836.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,506.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*627.52*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,982.33	803.88
		For Cement Mortar Lining (CML), Add	*876.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross	11,009.06	914.99
		For Cement Mortar Lining (CML), Add	*962.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,732.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*721.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross	11,744.84	736.27
		For Cement Mortar Lining (CML), Add	*1,062.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,913.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*797.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross	11,979.64	753.93
		For Cement Mortar Lining (CML), Add	*1,083.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,950.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*812.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross	12,210.09	769.95
		For Cement Mortar Lining (CML), Add	*1,104.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,987.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*828.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,484.56	794.01
		For Cement Mortar Lining (CML), Add	*1,128.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,030.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*846.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross	12,801.73	827.67
		For Cement Mortar Lining (CML), Add	*1,154.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,078.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*866.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross	13,180.36	882.11
		For Cement Mortar Lining (CML), Add	*1,184.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,131.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*888.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,670.76	971.98
		For Cement Mortar Lining (CML), Add	*1,219.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,195.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,514.61	1,083.04
		For Cement Mortar Lining (CML), Add	*1,587.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,857.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,190.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross	20,142.17	1,251.16
		For Cement Mortar Lining (CML), Add	*1,824.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,284.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,368.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,310.85	798.24
		For Cement Mortar Lining (CML), Add	*1,510.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,718.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,132.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross	16,543.76	815.89
		For Cement Mortar Lining (CML), Add	*1,530.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,755.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,148.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross	16,744.23	831.91
		For Cement Mortar Lining (CML), Add	*1,548.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,787.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,161.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross	16,986.84	855.97
		For Cement Mortar Lining (CML), Add	*1,568.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,824.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,176.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,274.02	889.64
		For Cement Mortar Lining (CML), Add	*1,592.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,866.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,194.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross	17,620.79	944.06
		For Cement Mortar Lining (CML), Add	*1,619.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,914.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross	18,081.19	1,033.93
		For Cement Mortar Lining (CML), Add	*1,651.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,972.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,238.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross	18,868.02	1,145.02
		For Cement Mortar Lining (CML), Add	*1,713.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,083.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,284.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross	25,334.20	1,313.09
		For Cement Mortar Lining (CML), Add	*2,334.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,750.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross	27,812.21	1,375.12
		For Cement Mortar Lining (CML), Add	*2,572.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,631.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,929.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross	21,821.70	867.73
		For Cement Mortar Lining (CML), Add	*2,050.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,691.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,538.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross	24,642.90	891.80
		For Cement Mortar Lining (CML), Add	*2,329.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,192.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,746.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross	22,330.86	925.46
		For Cement Mortar Lining (CML), Add	*2,092.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,767.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,569.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross	22,640.14	979.89
		For Cement Mortar Lining (CML), Add	*2,115.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,807.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,586.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross	23,085.56	1,069.76
		For Cement Mortar Lining (CML), Add	*2,146.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,863.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,609.85*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross	23,818.02	1,180.83
		For Cement Mortar Lining (CML), Add	*2,202.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,965.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,652.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross	30,437.90	1,348.92
		For Cement Mortar Lining (CML), Add	*2,839.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,110.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,129.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	39,631.60	1,410.88
		For Cement Mortar Lining (CML), Add	*3,749.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,748.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,812.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	42,444.87	1,446.73
		For Cement Mortar Lining (CML), Add	*4,025.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,245.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,018.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	29,446.39	1,009.97
		For Cement Mortar Lining (CML), Add	*2,791.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,024.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,093.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	29,651.52	1,034.03
		For Cement Mortar Lining (CML), Add	*2,808.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,055.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,106.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	29,927.46	1,067.69
		For Cement Mortar Lining (CML), Add	*2,830.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,095.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,123.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	30,234.85	1,122.13
		For Cement Mortar Lining (CML), Add	*2,853.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,136.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,140.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	30,654.03	1,211.99
		For Cement Mortar Lining (CML), Add	*2,881.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,187.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,161.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	31,356.51	1,323.07
		For Cement Mortar Lining (CML), Add	*2,935.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,283.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,201.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	33,217.49	1,491.17
		For Cement Mortar Lining (CML), Add	*3,095.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,572.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,321.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	40,606.22	1,553.12
		For Cement Mortar Lining (CML), Add	*3,825.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,885.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,868.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	52,069.48	1,588.95
		For Cement Mortar Lining (CML), Add	*4,966.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,939.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,724.65*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	55,467.59	1,731.12
		For Cement Mortar Lining (CML), Add	*5,284.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,512.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,963.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378		Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*		
33 14 13 13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	199.16	59.70
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	233.34	74.83
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	251.91	79.67
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	316.07	89.76
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	350.09	104.88
		For Cement Mortar Lining (CML), Add	*19.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	378.19	94.97
		For Cement Mortar Lining (CML), Add	*23.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	413.17	109.41
		For Cement Mortar Lining (CML), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	452.14	119.03
		For Cement Mortar Lining (CML), Add	*27.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	454.61	104.59
		For Cement Mortar Lining (CML), Add	*29.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	506.47	119.03
		For Cement Mortar Lining (CML), Add	*32.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	530.45	128.66
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	580.15	137.96
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	927.97	134.96
		For Cement Mortar Lining (CML), Add	*72.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	905.08	144.60
		For Cement Mortar Lining (CML), Add	*68.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	817.96	153.89
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	860.65	163.51
		For Cement Mortar Lining (CML), Add	*61.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,089.37	157.36
		For Cement Mortar Lining (CML), Add	*85.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,072.11	167.00
		For Cement Mortar Lining (CML), Add	*81.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,056.21	176.31
		For Cement Mortar Lining (CML), Add	*78.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*142.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,143.90	185.93
		For Cement Mortar Lining (CML), Add	*86.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,271.11	201.86
		For Cement Mortar Lining (CML), Add	*96.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,361.64	204.70
		For Cement Mortar Lining (CML), Add	*105.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,521.93	214.00
		For Cement Mortar Lining (CML), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,472.79	223.63
		For Cement Mortar Lining (CML), Add	*113.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.05*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,562.52	239.55
		For Cement Mortar Lining (CML), Add	*119.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,648.97	261.97
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,919.27	279.56
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,847.14	288.85
		For Cement Mortar Lining (CML), Add	*140.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,713.65	298.47
		For Cement Mortar Lining (CML), Add	*126.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,728.43	314.40
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,788.62	336.81
		For Cement Mortar Lining (CML), Add	*127.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,136.26	374.51
		For Cement Mortar Lining (CML), Add	*156.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,497.71	373.08
		For Cement Mortar Lining (CML), Add	*193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*347.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,570.58	389.02
		For Cement Mortar Lining (CML), Add	*198.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,630.78	411.43
		For Cement Mortar Lining (CML), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,599.81	449.13
		For Cement Mortar Lining (CML), Add	*191.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*345.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*143.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,170.55	523.98
		For Cement Mortar Lining (CML), Add	*237.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*427.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,061.51	464.46
		For Cement Mortar Lining (CML), Add	*435.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*784.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,291.08	502.15
		For Cement Mortar Lining (CML), Add	*453.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*815.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*339.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,153.32	577.00
		For Cement Mortar Lining (CML), Add	*427.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*770.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,062.07	651.62
		For Cement Mortar Lining (CML), Add	*407.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,566.62	618.52
		For Cement Mortar Lining (CML), Add	*662.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,313.29	693.13
		For Cement Mortar Lining (CML), Add	*526.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*947.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*394.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,854.71	746.16
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,753.53	529.18
		For Cement Mortar Lining (CML), Add	*895.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,611.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*671.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,728.19	566.88
		For Cement Mortar Lining (CML), Add	*886.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,596.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*665.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,811.60	641.73
		For Cement Mortar Lining (CML), Add	*883.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,591.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,949.92	716.35
		For Cement Mortar Lining (CML), Add	*986.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,775.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*739.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,084.71	769.36
		For Cement Mortar Lining (CML), Add	*791.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,425.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*593.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,511.23	810.89
		For Cement Mortar Lining (CML), Add	*828.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,490.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*621.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,097.13	566.16
		For Cement Mortar Lining (CML), Add	*1,223.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,203.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*917.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,715.66	603.86
		For Cement Mortar Lining (CML), Add	*1,180.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,124.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*885.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,154.30	678.71
		For Cement Mortar Lining (CML), Add	*1,112.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,002.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*834.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,550.39	753.32
		For Cement Mortar Lining (CML), Add	*1,140.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,053.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*855.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,968.00	806.35
		For Cement Mortar Lining (CML), Add	*1,374.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,474.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,030.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,154.71	847.87
		For Cement Mortar Lining (CML), Add	*1,187.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,136.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*890.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,423.17	871.07
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436		**Mechanical Joint Ductile Iron Caps** *(33 14 13 13-0002)*		
33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps	239.72	126.06
		For Cement Mortar Lining (CML), Add	*4.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps	274.71	147.91
		For Cement Mortar Lining (CML), Add	*5.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps	370.09	184.89
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps	470.10	211.31
		For Cement Mortar Lining (CML), Add	*15.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps	675.44	320.84
		For Cement Mortar Lining (CML), Add	*18.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps	813.35	350.02
		For Cement Mortar Lining (CML), Add	*28.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps	1,012.58	385.02
		For Cement Mortar Lining (CML), Add	*42.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps	1,223.60	427.75
		For Cement Mortar Lining (CML), Add	*57.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*103.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps	1,432.07	481.27
		For Cement Mortar Lining (CML), Add	*70.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps	1,742.42	549.96
		For Cement Mortar Lining (CML), Add	*90.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps	2,220.56	641.69
		For Cement Mortar Lining (CML), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps	4,021.31	770.03
		For Cement Mortar Lining (CML), Add	*285.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*513.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps	6,650.27	962.54
		For Cement Mortar Lining (CML), Add	*519.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*934.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*389.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	42" Mechanical Joint Ductile Iron Caps	9,624.10	1,155.05
		For Cement Mortar Lining (CML), Add	*787.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,417.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*590.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" Mechanical Joint Ductile Iron Caps	11,432.34	1,283.39
		For Cement Mortar Lining (CML), Add	*948.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,707.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*711.59*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0452 Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*

33 14 13 13-0453	EA	3" Mechanical Joint Ductile Iron Plug	247.22	126.06
		For Cement Mortar Lining (CML), Add	*5.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	4" Mechanical Joint Ductile Iron Plug	285.95	147.91
		For Cement Mortar Lining (CML), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.64*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0455	EA	6" Mechanical Joint Ductile Iron Plug	400.08	184.89
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	8" Mechanical Joint Ductile Iron Plug	500.08	211.31
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	10" Mechanical Joint Ductile Iron Plug	797.27	320.84
		For Cement Mortar Lining (CML), Add	*31.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	12" Mechanical Joint Ductile Iron Plug	847.09	350.02
		For Cement Mortar Lining (CML), Add	*31.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	14" Mechanical Joint Ductile Iron Plug	1,228.13	385.02
		For Cement Mortar Lining (CML), Add	*64.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	16" Mechanical Joint Ductile Iron Plug	730.65	427.75
		For Cement Mortar Lining (CML), Add	*8.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	18" Mechanical Joint Ductile Iron Plug	1,752.58	481.27
		For Cement Mortar Lining (CML), Add	*102.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	20" Mechanical Joint Ductile Iron Plug	2,179.13	549.96
		For Cement Mortar Lining (CML), Add	*134.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*242.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug	2,839.09	641.69
		For Cement Mortar Lining (CML), Add	*186.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug	4,872.25	770.03
		For Cement Mortar Lining (CML), Add	*370.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*667.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug	7,182.57	962.54
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug	9,691.57	1,155.05
		For Cement Mortar Lining (CML), Add	*794.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,429.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug	12,530.69	1,283.39
		For Cement Mortar Lining (CML), Add	*1,058.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,905.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.96*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0468		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*		
33 14 13 13-0469	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	412.14	191.61
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	467.35	221.86
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	602.01	277.32
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	755.74	316.90
		For Cement Mortar Lining (CML), Add	*27.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,209.03	481.27
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,410.27	525.03
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,851.55	577.53
		For Cement Mortar Lining (CML), Add	*97.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,087.48	641.69
		For Cement Mortar Lining (CML), Add	*111.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,799.43	721.91
		For Cement Mortar Lining (CML), Add	*170.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,281.81	825.02
		For Cement Mortar Lining (CML), Add	*203.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*365.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,960.62	962.54
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,355.28	1,155.05
		For Cement Mortar Lining (CML), Add	*460.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*828.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.39*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0481	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,787.08	1,443.82
		For Cement Mortar Lining (CML), Add	*659.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,187.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*494.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,701.14	1,650.03
		For Cement Mortar Lining (CML), Add	*920.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,656.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*690.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,440.11	1,925.08
		For Cement Mortar Lining (CML), Add	*1,152.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,074.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*864.25*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

33 14 13 13-0485	EA	3" Mechanical Joint Ductile Iron Long Sleeves	393.40	191.61
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	4" Mechanical Joint Ductile Iron Long Sleeves	457.98	221.86
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	6" Mechanical Joint Ductile Iron Long Sleeves	624.50	277.32
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	8" Mechanical Joint Ductile Iron Long Sleeves	815.72	316.90
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489	EA	10" Mechanical Joint Ductile Iron Long Sleeves	1,128.43	481.27
		For Cement Mortar Lining (CML), Add	*39.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,335.29	525.03
		For Cement Mortar Lining (CML), Add	*53.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,690.36	577.53
		For Cement Mortar Lining (CML), Add	*81.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	16" Mechanical Joint Ductile Iron Long Sleeves	2,005.01	641.69
		For Cement Mortar Lining (CML), Add	*103.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,415.20	721.91
		For Cement Mortar Lining (CML), Add	*132.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,845.10	825.02
		For Cement Mortar Lining (CML), Add	*159.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*287.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*119.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,559.51	962.54
		For Cement Mortar Lining (CML), Add	*210.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves	6,150.98	1,155.05
		For Cement Mortar Lining (CML), Add	*440.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*792.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves	8,367.23	1,443.82
		For Cement Mortar Lining (CML), Add	*617.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,112.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*463.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,763.00	1,648.13
		For Cement Mortar Lining (CML), Add	*826.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,487.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*619.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves	14,528.20	1,925.08
		For Cement Mortar Lining (CML), Add	*1,161.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,090.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*870.86*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0500 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0501 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0500)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	37.49
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28
33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78
33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50
33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59
33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39

33 14 13 13-0517 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0500)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0518	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	63.73
33 14 13 13-0519	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0520	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16
33 14 13 13-0521	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0522	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46	
33 14 13 13-0523	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72	
33 14 13 13-0524	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51	
33 14 13 13-0525	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73	
33 14 13 13-0526	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0527	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95	
33 14 13 13-0528	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47	
33 14 13 13-0529		**Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0530	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	41.24	
33 14 13 13-0531	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98	
33 14 13 13-0532	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09	
33 14 13 13-0533	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63	
33 14 13 13-0534	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54	
33 14 13 13-0535	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81	
33 14 13 13-0536	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59	
33 14 13 13-0537	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71	
33 14 13 13-0538	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64	
33 14 13 13-0539	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85	
33 14 13 13-0540	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31	
33 14 13 13-0541	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63	
33 14 13 13-0542	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10	
33 14 13 13-0543	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04	
33 14 13 13-0544	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69	
33 14 13 13-0545		**Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	241.99	96.11
33 14 13 13-0547	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	277.16	113.83
33 14 13 13-0548	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	343.75	140.88
33 14 13 13-0549	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	425.91	164.41
33 14 13 13-0550	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	617.35	240.64
33 14 13 13-0551	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	755.50	275.05
33 14 13 13-0552	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	873.51	296.05
33 14 13 13-0553	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	1,065.08	320.84
33 14 13 13-0554	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,359.78	385.02
33 14 13 13-0555	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,598.05	427.61
33 14 13 13-0556	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	2,059.26	493.38
33 14 13 13-0557	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,903.12	591.67
33 14 13 13-0558	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,822.45	740.43
33 14 13 13-0559	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	7,055.58	854.33
33 14 13 13-0560	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	9,036.68	1,098.76
33 14 13 13-0561		**Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** *(33 14 13 13-0002)*		
33 14 13 13-0562	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,660.95	78.66
33 14 13 13-0563	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,857.30	98.32
33 14 13 13-0564	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,048.50	145.31
33 14 13 13-0565	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,573.17	172.35
33 14 13 13-0566	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,062.11	192.07
33 14 13 13-0567	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,080.53	225.33
33 14 13 13-0568	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,803.06	252.66
33 14 13 13-0569	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,425.43	288.76
33 14 13 13-0570	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,429.82	404.27
33 14 13 13-0571	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,546.71	505.34
33 14 13 13-0572	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,247.53	673.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0573		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)*		
		Note: Includes machined bolts and gasket.		
33 14 13 13-0574	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	240.43	96.11
33 14 13 13-0575	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	306.02	113.83
33 14 13 13-0576	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	393.80	140.88
33 14 13 13-0577	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	450.43	164.41
33 14 13 13-0578	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	781.11	252.11
33 14 13 13-0579	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	884.78	288.18
33 14 13 13-0580		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)*		
		Note: Includes nuts, bolts and gasket.		
33 14 13 13-0581	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	338.47	96.11
33 14 13 13-0582	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	419.45	113.83
33 14 13 13-0583	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	576.18	140.88
33 14 13 13-0584	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	822.32	164.41
33 14 13 13-0585	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,195.17	252.11
33 14 13 13-0586	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,479.08	288.18
33 14 13 13-0587	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,242.47	310.18
33 14 13 13-0588	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,115.81	336.15
33 14 13 13-0589	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,530.54	403.38
33 14 13 13-0590	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,900.62	448.00
33 14 13 13-0591	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,711.97	516.91
33 14 13 13-0592	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	6,049.88	619.90
33 14 13 13-0593	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,995.24	775.75
33 14 13 13-0594	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	23,155.12	895.08
33 14 13 13-0595	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,659.69	1,151.17
33 14 13 13-0596		**Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint** *(33 14 13 13-0002)*		
		Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0597	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,301.41	147.91
33 14 13 13-0598	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,051.87	184.89
33 14 13 13-0599	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,709.98	211.31
33 14 13 13-0600	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,755.27	320.84
33 14 13 13-0601	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,887.87	350.02
33 14 13 13-0602	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,654.43	385.02
33 14 13 13-0603	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,285.06	427.75
33 14 13 13-0604	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,948.84	481.27
33 14 13 13-0605	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,162.54	549.96
33 14 13 13-0606	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	15,905.08	641.69
33 14 13 13-0607	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	55,191.86	770.03
33 14 13 13-0608	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	78,319.16	962.54
33 14 13 13-0609		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)*		
		See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0610		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0611	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	482.35	54.85
33 14 13 13-0612	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	577.27	65.70
33 14 13 13-0613	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	894.53	96.26
33 14 13 13-0614	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,218.18	114.60
33 14 13 13-0615	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,663.44	128.34
33 14 13 13-0616	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,105.57	150.21
33 14 13 13-0617	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,980.46	169.17
33 14 13 13-0618	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,612.98	192.51
33 14 13 13-0619	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,376.23	269.80
33 14 13 13-0620	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,454.87	336.89
33 14 13 13-0621	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,704.76	449.19
33 14 13 13-0622	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,269.39	481.27
33 14 13 13-0623	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,011.94	500.23
33 14 13 13-0624	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,606.48	577.53
33 14 13 13-0625	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,689.08	613.98
33 14 13 13-0626		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0627	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	461.73	54.85
33 14 13 13-0628	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	541.66	65.70
33 14 13 13-0629	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	832.68	96.26
33 14 13 13-0630	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,122.59	114.60
33 14 13 13-0631	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,461.01	128.34
33 14 13 13-0632	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,923.76	150.21
33 14 13 13-0633	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,590.60	169.17
33 14 13 13-0634	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,099.41	192.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0635	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,677.10	269.80
33 14 13 13-0636	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,467.10	336.89
33 14 13 13-0637	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,888.55	449.19
33 14 13 13-0638	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,738.07	481.27
33 14 13 13-0639	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,801.23	500.23
33 14 13 13-0640	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,948.01	577.53
33 14 13 13-0641	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	28,061.68	613.98
33 14 13 13-0642		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0643	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	362.39	54.85
33 14 13 13-0644	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	536.04	65.70
33 14 13 13-0645	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	810.19	96.26
33 14 13 13-0646	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,115.09	114.60
33 14 13 13-0647	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,459.14	128.34
33 14 13 13-0648	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,815.05	150.21
33 14 13 13-0649	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,605.60	169.17
33 14 13 13-0650	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,031.94	192.51
33 14 13 13-0651	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,660.24	269.80
33 14 13 13-0652	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,622.67	336.89
33 14 13 13-0653	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,764.84	449.19
33 14 13 13-0654	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,570.37	481.27
33 14 13 13-0655	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,020.63	500.23
33 14 13 13-0656	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,594.85	577.53
33 14 13 13-0657	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,775.11	613.98
33 14 13 13-0658		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0659	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	362.39	54.85
33 14 13 13-0660	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	639.12	65.70
33 14 13 13-0661	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	817.69	96.26
33 14 13 13-0662	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,081.35	114.60
33 14 13 13-0663	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,455.39	128.34
33 14 13 13-0664	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,764.44	150.21
33 14 13 13-0665	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,802.40	169.17
33 14 13 13-0666	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,123.78	192.51
33 14 13 13-0667	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,192.54	269.80
33 14 13 13-0668	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,461.48	336.89
33 14 13 13-0669	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,766.71	449.19
33 14 13 13-0670	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,694.07	481.27
33 14 13 13-0671	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,666.38	500.23
33 14 13 13-0672	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,088.78	577.53
33 14 13 13-0673	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,640.16	613.98
33 14 13 13-0674		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0675	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	424.25	54.85
33 14 13 13-0676	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	620.38	65.70
33 14 13 13-0677	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	965.76	96.26
33 14 13 13-0678	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,308.14	114.60
33 14 13 13-0679	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,794.64	128.34
33 14 13 13-0680	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,249.89	150.21
33 14 13 13-0681	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,016.96	169.17
33 14 13 13-0682	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,250.14	192.51
33 14 13 13-0683	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,155.84	269.80
33 14 13 13-0684	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,255.10	336.89
33 14 13 13-0685	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,949.31	449.19
33 14 13 13-0686		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0687	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	424.25	54.85
33 14 13 13-0688	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	549.16	65.70
33 14 13 13-0689	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	862.68	96.26
33 14 13 13-0690	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,214.43	114.60
33 14 13 13-0691	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,605.33	128.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0692	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,084.95	150.21
33 14 13 13-0693	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,770.54	169.17
33 14 13 13-0694	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,326.20	192.51
33 14 13 13-0695	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,199.93	269.80
33 14 13 13-0696	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,519.47	336.89
33 14 13 13-0697	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,816.32	449.19

33 14 13 13-0698 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0609)*

33 14 13 13-0699	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	598.88	82.30
33 14 13 13-0700	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	654.14	92.78
33 14 13 13-0701	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	690.24	96.26
33 14 13 13-0702	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	979.60	122.02
33 14 13 13-0703	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,060.31	126.82
33 14 13 13-0704	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,120.73	142.10
33 14 13 13-0705	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,298.96	146.68
33 14 13 13-0706	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,406.22	161.97
33 14 13 13-0707	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,545.22	172.66
33 14 13 13-0708	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,734.94	158.96
33 14 13 13-0709	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,736.22	173.55
33 14 13 13-0710	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,880.13	183.76
33 14 13 13-0711	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,027.30	192.51
33 14 13 13-0712	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,084.63	177.92
33 14 13 13-0713	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,106.49	192.51
33 14 13 13-0714	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,276.65	202.72
33 14 13 13-0715	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,618.75	211.46
33 14 13 13-0716	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,627.70	221.68
33 14 13 13-0717	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,970.08	224.59
33 14 13 13-0718	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,211.48	234.80
33 14 13 13-0719	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,887.21	243.55
33 14 13 13-0720	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,102.34	253.76
33 14 13 13-0721	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,809.72	269.80
33 14 13 13-0722	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,553.32	269.80
33 14 13 13-0723	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,744.24	278.56
33 14 13 13-0724	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,479.94	288.76
33 14 13 13-0725	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,209.62	297.52
33 14 13 13-0726	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,472.68	313.55
33 14 13 13-0727	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,964.95	336.89
33 14 13 13-0728	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,662.95	345.64
33 14 13 13-0729	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,915.60	354.39
33 14 13 13-0730	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,235.21	363.14
33 14 13 13-0731	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,530.93	373.35
33 14 13 13-0732	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,684.39	389.39
33 14 13 13-0733	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,072.59	411.27
33 14 13 13-0734	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,776.35	449.19
33 14 13 13-0735	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,386.46	494.40
33 14 13 13-0736	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,477.91	504.60
33 14 13 13-0737	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,009.32	513.36
33 14 13 13-0738	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,301.30	523.56
33 14 13 13-0739	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,366.66	539.61
33 14 13 13-0740	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,293.78	561.48
33 14 13 13-0741	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,015.31	599.40
33 14 13 13-0742	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,876.67	673.77
33 14 13 13-0743	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,549.74	643.16
33 14 13 13-0744	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,613.07	654.81
33 14 13 13-0745	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,732.12	662.12
33 14 13 13-0746	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,907.87	672.32
33 14 13 13-0747	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,837.31	688.37
33 14 13 13-0748	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,173.04	710.24
33 14 13 13-0749	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,025.76	748.16
33 14 13 13-0750	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,364.09	823.99
33 14 13 13-0751	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,755.52	898.37
33 14 13 13-0752	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,366.22	749.61
33 14 13 13-0753	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,833.51	759.83
33 14 13 13-0754	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,441.76	768.57
33 14 13 13-0755	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,052.37	778.79
33 14 13 13-0756	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,919.95	794.83
33 14 13 13-0757	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,857.34	1,057.33
33 14 13 13-0758	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,805.75	854.62
33 14 13 13-0759	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,808.57	929.00
33 14 13 13-0760	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,395.83	1,003.38
33 14 13 13-0761	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,148.95	1,057.33
33 14 13 13-0762	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,748.42	842.95
33 14 13 13-0763	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,123.26	851.71
33 14 13 13-0764	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,866.95	861.91
33 14 13 13-0765	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,395.28	877.96
33 14 13 13-0766	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,927.81	899.83
33 14 13 13-0767	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,952.08	937.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0768	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,034.51	1,012.12
33 14 13 13-0769	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,866.32	1,086.51
33 14 13 13-0770	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,285.81	1,181.30
33 14 13 13-0771	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	24,493.82	1,181.30
33 14 13 13-0772	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	27,784.75	908.58
33 14 13 13-0773	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,343.07	923.17
33 14 13 13-0774	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,154.76	946.50
33 14 13 13-0775	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,489.09	984.42
33 14 13 13-0776	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,602.50	1,058.79
33 14 13 13-0777	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,511.56	1,133.17
33 14 13 13-0778	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,047.36	1,187.13
33 14 13 13-0779	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	37,168.95	1,227.96
33 14 13 13-0780	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,168.39	1,251.30
33 14 13 13-0781	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,383.94	981.50
33 14 13 13-0782	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,964.75	997.54
33 14 13 13-0783	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,789.67	1,020.88
33 14 13 13-0784	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,632.14	1,057.33
33 14 13 13-0785	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,536.50	1,133.17
33 14 13 13-0786	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,754.51	1,207.55
33 14 13 13-0787	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,382.05	1,260.05
33 14 13 13-0788	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,934.55	1,302.35
33 14 13 13-0789	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,721.91	1,325.68
33 14 13 13-0790	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	51,495.20	1,362.14

33 14 13 13-0791 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0609)*

33 14 13 13-0792	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	671.66	91.96
33 14 13 13-0793	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	737.26	91.96
33 14 13 13-0794	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	862.67	96.26
33 14 13 13-0795	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	955.24	122.02
33 14 13 13-0796	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,064.06	126.82
33 14 13 13-0797	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,298.79	142.10
33 14 13 13-0798	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,698.19	146.68
33 14 13 13-0799	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,571.16	161.97
33 14 13 13-0800	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,764.51	172.66
33 14 13 13-0801	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,482.80	158.96
33 14 13 13-0802	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,587.16	173.55
33 14 13 13-0803	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,892.27	183.76
33 14 13 13-0804	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,155.64	192.51
33 14 13 13-0805	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,027.41	177.92
33 14 13 13-0806	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,431.64	192.51
33 14 13 13-0807	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,057.25	202.72
33 14 13 13-0808	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,061.97	211.46
33 14 13 13-0809	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,752.30	221.68
33 14 13 13-0810	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,454.54	224.59
33 14 13 13-0811	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,117.67	234.80
33 14 13 13-0812	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,734.30	243.55
33 14 13 13-0813	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,221.21	253.76
33 14 13 13-0814	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,039.17	269.80
33 14 13 13-0815	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,642.43	269.80
33 14 13 13-0816	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,125.61	278.56
33 14 13 13-0817	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,078.73	288.76
33 14 13 13-0818	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,271.37	297.52
33 14 13 13-0819	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,761.22	313.55
33 14 13 13-0820	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,345.33	336.89
33 14 13 13-0821	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,574.76	345.64
33 14 13 13-0822	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,089.81	354.39
33 14 13 13-0823	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,587.48	363.14
33 14 13 13-0824	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,126.87	373.35
33 14 13 13-0825	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,210.98	389.39
33 14 13 13-0826	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,306.78	411.27
33 14 13 13-0827	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,537.34	449.19
33 14 13 13-0828	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,751.85	494.40
33 14 13 13-0829	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,922.03	504.60
33 14 13 13-0830	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,723.33	513.36
33 14 13 13-0831	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,517.63	523.56
33 14 13 13-0832	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,607.36	539.61
33 14 13 13-0833	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,712.53	561.48
33 14 13 13-0834	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,280.38	599.40
33 14 13 13-0835	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,629.05	673.77
33 14 13 13-0836	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,400.58	643.16
33 14 13 13-0837	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,522.01	653.36
33 14 13 13-0838	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,638.20	662.12
33 14 13 13-0839	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,145.71	672.32
33 14 13 13-0840	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,914.84	688.37
33 14 13 13-0841	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,378.91	710.24
33 14 13 13-0842	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,113.56	748.16
33 14 13 13-0843	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,703.93	823.99
33 14 13 13-0844	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,618.40	898.37
33 14 13 13-0845	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,721.94	749.61
33 14 13 13-0846	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,154.40	759.83
33 14 13 13-0847	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,459.90	768.57
33 14 13 13-0848	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,767.76	778.79
33 14 13 13-0849	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,621.23	794.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0850	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,613.86	816.70
33 14 13 13-0851	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,326.99	854.62
33 14 13 13-0852	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,356.94	929.00
33 14 13 13-0853	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,791.40	1,003.38
33 14 13 13-0854	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,473.29	1,057.33
33 14 13 13-0855	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,985.70	861.91
33 14 13 13-0856	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,484.93	877.96
33 14 13 13-0857	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,975.24	899.83
33 14 13 13-0858	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,853.21	937.75
33 14 13 13-0859	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	46,798.71	1,012.12
33 14 13 13-0860	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,931.20	1,086.51
33 14 13 13-0861	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	58,217.41	1,140.46
33 14 13 13-0862	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,576.84	1,181.30
33 14 13 13-0863	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	61,213.21	1,058.79
33 14 13 13-0864	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,715.14	1,133.17
33 14 13 13-0865	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	67,005.20	1,187.13
33 14 13 13-0866	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,696.48	1,227.96
33 14 13 13-0867	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,569.74	1,251.30
33 14 13 13-0868	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,339.38	1,133.17
33 14 13 13-0869	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,380.80	1,207.55
33 14 13 13-0870	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,893.91	1,260.05
33 14 13 13-0871	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	83,168.10	1,302.35
33 14 13 13-0872	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,952.68	1,325.68
33 14 13 13-0873	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,667.97	1,362.14

33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0609)*

33 14 13 13-0875	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,190.08	142.10
33 14 13 13-0876	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,477.45	161.97
33 14 13 13-0877	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,111.08	173.55
33 14 13 13-0878	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,428.87	192.51
33 14 13 13-0879	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,208.12	224.59
33 14 13 13-0880	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,907.70	269.80
33 14 13 13-0881	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,616.09	345.64
33 14 13 13-0882	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,209.28	494.40
33 14 13 13-0883	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,250.91	643.16
33 14 13 13-0884	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	13,126.20	749.61

33 14 13 13-0885 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0609)*

33 14 13 13-0886	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	670.43	109.72
33 14 13 13-0887	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	835.05	119.39
33 14 13 13-0888	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,039.93	120.71
33 14 13 13-0889	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,105.81	149.65
33 14 13 13-0890	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,292.22	161.97
33 14 13 13-0891	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,430.18	201.69
33 14 13 13-0892	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,373.27	177.24
33 14 13 13-0893	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,619.94	216.97
33 14 13 13-0894	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,605.39	232.25
33 14 13 13-0895	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,612.77	186.68
33 14 13 13-0896	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,809.80	224.59
33 14 13 13-0897	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,146.57	239.18
33 14 13 13-0898	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,325.15	256.67
33 14 13 13-0899	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,068.12	202.72
33 14 13 13-0900	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,394.49	240.64
33 14 13 13-0901	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,598.19	255.22
33 14 13 13-0902	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,027.93	272.72
33 14 13 13-0903	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,455.18	288.76
33 14 13 13-0904	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,568.64	263.97
33 14 13 13-0905	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,227.81	278.56
33 14 13 13-0906	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,331.41	297.52
33 14 13 13-0907	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,571.23	312.10
33 14 13 13-0908	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,065.00	336.89
33 14 13 13-0909	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,994.52	298.97
33 14 13 13-0910	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,567.46	312.10
33 14 13 13-0911	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,503.26	331.06
33 14 13 13-0912	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,151.69	347.10
33 14 13 13-0913	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,468.30	370.43
33 14 13 13-0914	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,796.70	403.98
33 14 13 13-0915	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,880.98	352.93
33 14 13 13-0916	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,279.63	367.51
33 14 13 13-0917	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,621.25	385.02
33 14 13 13-0918	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,277.17	401.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0919	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,693.12	424.39
33 14 13 13-0920	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,312.06	457.93
33 14 13 13-0921	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,771.27	513.36
33 14 13 13-0922	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,651.55	443.35
33 14 13 13-0923	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,053.93	456.48
33 14 13 13-0924	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,329.97	475.44
33 14 13 13-0925	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,980.27	491.47
33 14 13 13-0926	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,144.15	514.81
33 14 13 13-0927	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,331.90	548.36
33 14 13 13-0928	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,791.12	602.31
33 14 13 13-0929	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,808.21	692.73
33 14 13 13-0930	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,837.51	554.19
33 14 13 13-0931	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,112.87	568.77
33 14 13 13-0932	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,577.77	586.28
33 14 13 13-0933	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,978.79	602.31
33 14 13 13-0934	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,202.65	625.65
33 14 13 13-0935	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,696.01	659.19
33 14 13 13-0936	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,241.25	714.62
33 14 13 13-0937	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,192.74	803.57
33 14 13 13-0938	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,122.89	914.41
33 14 13 13-0939	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,355.57	736.49
33 14 13 13-0940	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,719.69	753.99
33 14 13 13-0941	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,077.60	770.03
33 14 13 13-0942	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,500.14	793.37
33 14 13 13-0943	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,984.12	828.37
33 14 13 13-0944	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,546.44	882.33
33 14 13 13-0945	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,256.14	971.29
33 14 13 13-0946	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,386.65	1,083.58
33 14 13 13-0947	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,489.30	1,251.30
33 14 13 13-0948	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,703.06	797.74
33 14 13 13-0949	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,063.43	815.24
33 14 13 13-0950	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,374.48	831.29
33 14 13 13-0951	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,744.55	856.07
33 14 13 13-0952	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,177.92	889.63
33 14 13 13-0953	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,689.63	943.58
33 14 13 13-0954	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,352.47	1,034.01
33 14 13 13-0955	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,523.53	1,144.84
33 14 13 13-0956	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,852.68	1,312.55
33 14 13 13-0957	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,813.28	1,375.27
33 14 13 13-0958	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,574.57	867.74
33 14 13 13-0959	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,295.13	891.08
33 14 13 13-0960	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,715.38	926.08
33 14 13 13-0961	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,298.31	980.04
33 14 13 13-0962	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,349.14	1,070.46
33 14 13 13-0963	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,566.06	1,181.30
33 14 13 13-0964	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,095.87	1,349.02
33 14 13 13-0965	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,950.01	1,410.26
33 14 13 13-0966	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,478.29	1,446.73
33 14 13 13-0967	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,808.22	1,010.67
33 14 13 13-0968	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,118.31	1,034.01
33 14 13 13-0969	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,532.95	1,067.55
33 14 13 13-0970	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,980.91	1,121.50
33 14 13 13-0971	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,576.28	1,211.93
33 14 13 13-0972	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,610.51	1,322.76
33 14 13 13-0973	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	52,470.51	1,490.48
33 14 13 13-0974	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	64,396.96	1,553.19
33 14 13 13-0975	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,954.53	1,589.65
33 14 13 13-0976	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	88,331.91	1,731.12

33 14 13 13-0977 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0609)*

33 14 13 13-0978	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	474.69	59.70
33 14 13 13-0979	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	662.56	74.83
33 14 13 13-0980	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	727.99	79.46
33 14 13 13-0981	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	953.34	90.15
33 14 13 13-0982	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	992.98	105.43
33 14 13 13-0983	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,165.40	94.80
33 14 13 13-0984	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,221.00	109.38
33 14 13 13-0985	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,271.21	119.58
33 14 13 13-0986	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,346.79	105.00
33 14 13 13-0987	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,490.49	119.58
33 14 13 13-0988	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,516.35	128.34
33 14 13 13-0989	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,584.78	138.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0990	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,324.34	135.63
33 14 13 13-0991	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,338.94	144.38
33 14 13 13-0992	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,040.01	154.59
33 14 13 13-0993	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,082.71	163.34
33 14 13 13-0994	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,785.63	157.50
33 14 13 13-0995	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,704.64	167.72
33 14 13 13-0996	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,542.54	176.47
33 14 13 13-0997	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,514.03	185.21
33 14 13 13-0998	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,841.80	201.26
33 14 13 13-0999	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,033.54	204.17
33 14 13 13-1000	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,418.74	214.39
33 14 13 13-1001	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,268.39	223.13
33 14 13 13-1002	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,903.55	239.18
33 14 13 13-1003	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,425.82	262.51
33 14 13 13-1004	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,041.00	280.01
33 14 13 13-1005	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,073.83	288.76
33 14 13 13-1006	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,706.05	298.97
33 14 13 13-1007	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,705.83	315.01
33 14 13 13-1008	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,619.83	336.89
33 14 13 13-1009	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,278.60	374.81
33 14 13 13-1010	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,093.65	373.35
33 14 13 13-1011	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,170.26	389.39
33 14 13 13-1012	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,264.20	411.27
33 14 13 13-1013	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,190.12	449.19
33 14 13 13-1014	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,987.65	523.56
33 14 13 13-1015	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,261.87	463.77
33 14 13 13-1016	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,658.25	501.69
33 14 13 13-1017	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,318.06	577.53
33 14 13 13-1018	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,920.41	651.90
33 14 13 13-1019	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,216.81	618.36
33 14 13 13-1020	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,372.08	692.73
33 14 13 13-1021	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,142.17	746.70
33 14 13 13-1022	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,021.16	529.40
33 14 13 13-1023	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,920.85	567.32
33 14 13 13-1024	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,976.14	641.69
33 14 13 13-1025	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,687.11	716.07
33 14 13 13-1026	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,296.21	770.03
33 14 13 13-1027	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,007.62	810.86
33 14 13 13-1028	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,697.40	565.86
33 14 13 13-1029	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,971.05	603.78
33 14 13 13-1030	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	20,881.14	678.15
33 14 13 13-1031	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,498.39	753.99
33 14 13 13-1032	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,749.09	806.49
33 14 13 13-1033	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,288.27	847.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1034	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	24,505.14	870.67
33 14 13 13-1035		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps** *(33 14 13 13-0609)*		
33 14 13 13-1036	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	447.77	126.06
33 14 13 13-1037	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	538.99	148.21
33 14 13 13-1038	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	782.44	184.89
33 14 13 13-1039	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,041.76	210.86
33 14 13 13-1040	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,395.18	320.84
33 14 13 13-1041	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,748.64	350.02
33 14 13 13-1042	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,985.35	385.02
33 14 13 13-1043	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,408.17	427.31
33 14 13 13-1044	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,817.19	481.27
33 14 13 13-1045	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,391.82	549.81
33 14 13 13-1046	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,336.67	641.69
33 14 13 13-1047	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,792.44	770.03
33 14 13 13-1048	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,715.57	962.54
33 14 13 13-1049	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	18,281.58	1,155.05
33 14 13 13-1050	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	21,750.47	1,283.39
33 14 13 13-1051		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0609)*		
33 14 13 13-1052	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	449.65	126.06
33 14 13 13-1053	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	557.73	148.21
33 14 13 13-1054	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	831.17	184.89
33 14 13 13-1055	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,090.50	210.86
33 14 13 13-1056	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,674.45	320.84
33 14 13 13-1057	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,812.36	350.02
33 14 13 13-1058	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,392.08	385.02
33 14 13 13-1059	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,878.62	427.31
33 14 13 13-1060	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,418.85	481.27
33 14 13 13-1061	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,205.27	549.81
33 14 13 13-1062	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,495.00	641.69
33 14 13 13-1063	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,393.11	770.03
33 14 13 13-1064	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,710.83	962.54
33 14 13 13-1065	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,407.16	1,155.05
33 14 13 13-1066	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	24,413.88	1,283.39
33 14 13 13-1067		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0609)*		
33 14 13 13-1068	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	614.57	191.61
33 14 13 13-1069	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	806.60	221.55
33 14 13 13-1070	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,104.33	278.09
33 14 13 13-1071	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,441.75	316.28
33 14 13 13-1072	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,131.19	481.27
33 14 13 13-1073	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,534.86	525.03
33 14 13 13-1074	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,292.90	577.53
33 14 13 13-1075	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,735.02	641.69
33 14 13 13-1076	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,876.18	721.91
33 14 13 13-1077	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,652.83	825.45
33 14 13 13-1078	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,835.82	962.54
33 14 13 13-1079	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,681.21	1,155.05
33 14 13 13-1080	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,503.76	1,443.82
33 14 13 13-1081	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,670.77	1,649.44
33 14 13 13-1082	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	24,422.74	1,925.08
33 14 13 13-1083		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0609)*		
33 14 13 13-1084	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	637.06	191.61
33 14 13 13-1085	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	778.49	221.55
33 14 13 13-1086	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,136.19	278.09
33 14 13 13-1087	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,527.96	316.28
33 14 13 13-1088	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,011.23	481.27
33 14 13 13-1089	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,422.40	525.03
33 14 13 13-1090	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,052.99	577.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1091	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,607.56	641.69
33 14 13 13-1092	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,298.89	721.91
33 14 13 13-1093	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,002.44	825.45
33 14 13 13-1094	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,239.79	962.54
33 14 13 13-1095	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,371.95	1,155.05
33 14 13 13-1096	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,471.01	1,443.82
33 14 13 13-1097	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	17,489.94	1,647.99
33 14 13 13-1098	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	25,875.34	1,925.08

33 14 13 13-1099 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1100 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1099)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1101	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	41.28	12.60
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.53*	
		For Cement Mortar Lining (CML), Add	*2.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*11.98*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.54*	
		For >1,000, Deduct	*-2.06*	
		For Class 51, Add	*3.26*	
		For Class 52, Add	*7.02*	
		For Class 53, Add	*12.60*	
		For Class 54, Add	*17.95*	
		For Class 55, Add	*20.68*	
		For Class 56, Add	*23.36*	
33 14 13 13-1102	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	45.27	13.91
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.04*	
		For Cement Mortar Lining (CML), Add	*2.43*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.83*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.56*	
		For >1,000, Deduct	*-2.26*	
		For Class 51, Add	*3.58*	
		For Class 52, Add	*7.71*	
		For Class 53, Add	*13.83*	
		For Class 54, Add	*19.70*	
		For Class 55, Add	*22.69*	
		For Class 56, Add	*25.63*	
33 14 13 13-1103	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	56.19	15.27
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.29*	
		For Cement Mortar Lining (CML), Add	*3.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*15.80*	
		For >1,000, Deduct	*-2.81*	
		For Class 51, Add	*4.82*	
		For Class 52, Add	*10.39*	
		For Class 53, Add	*18.69*	
		For Class 54, Add	*26.64*	
		For Class 55, Add	*30.66*	
		For Class 56, Add	*34.61*	
33 14 13 13-1104	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	79.75	21.73
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.16*	
		For Cement Mortar Lining (CML), Add	*4.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.47*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.52*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*22.30*	
		For >1,000, Deduct	*-3.99*	
		For Class 51, Add	*6.81*	
		For Class 52, Add	*14.67*	
		For Class 53, Add	*26.39*	
		For Class 54, Add	*37.62*	
		For Class 55, Add	*43.29*	
		For Class 56, Add	*48.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1105	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	92.42	24.07
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*27.98*	
		For Cement Mortar Lining (CML), Add	*5.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*22.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*26.58*	
		For >1,000, Deduct	*-4.62*	
		For Class 51, Add	*8.08*	
		For Class 52, Add	*17.43*	
		For Class 53, Add	*31.36*	
		For Class 54, Add	*44.71*	
		For Class 55, Add	*51.44*	
		For Class 56, Add	*58.05*	
33 14 13 13-1106	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	112.31	27.12
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.39*	
		For Cement Mortar Lining (CML), Add	*7.13*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.35*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*33.88*	
		For >1,000, Deduct	*-5.62*	
		For Class 51, Add	*10.23*	
		For Class 52, Add	*22.07*	
		For Class 53, Add	*39.76*	
		For Class 54, Add	*56.72*	
		For Class 55, Add	*65.22*	
		For Class 56, Add	*73.58*	
33 14 13 13-1107	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	132.93	30.92
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*35.31*	
		For Cement Mortar Lining (CML), Add	*8.61*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*26.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*40.91*	
		For >1,000, Deduct	*-6.65*	
		For Class 51, Add	*12.32*	
		For Class 52, Add	*26.58*	
		For Class 53, Add	*47.91*	
		For Class 54, Add	*68.34*	
		For Class 55, Add	*78.58*	
		For Class 56, Add	*88.64*	
33 14 13 13-1108	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	154.71	36.17
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*41.01*	
		For Cement Mortar Lining (CML), Add	*10.00*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.01*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*47.51*	
		For >1,000, Deduct	*-7.74*	
		For Class 51, Add	*14.32*	
		For Class 52, Add	*30.88*	
		For Class 53, Add	*55.65*	
		For Class 54, Add	*79.39*	
		For Class 55, Add	*91.29*	
		For Class 56, Add	*102.97*	
33 14 13 13-1109	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	178.77	43.32
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.99*	
		For Cement Mortar Lining (CML), Add	*11.31*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.68*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.49*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*53.74*	
		For >1,000, Deduct	*-8.94*	
		For Class 51, Add	*16.24*	
		For Class 52, Add	*35.03*	
		For Class 53, Add	*63.09*	
		For Class 54, Add	*89.99*	
		For Class 55, Add	*103.50*	
		For Class 56, Add	*116.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1110	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	226.06	54.10
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.62*	
		For Cement Mortar Lining (CML), Add	*14.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*25.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.80*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*68.38*	
		For >1,000, Deduct	*-11.30*	
		For Class 51, Add	*20.65*	
		For Class 52, Add	*44.53*	
		For Class 53, Add	*80.22*	
		For Class 54, Add	*114.43*	
		For Class 55, Add	*131.59*	
		For Class 56, Add	*148.45*	
33 14 13 13-1111		**Push-On Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-1099)*		
33 14 13 13-1112	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	312.19	49.20
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1113	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	452.56	72.57
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1114	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	605.77	86.18
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1115	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	916.76	95.97
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	
33 14 13 13-1116	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,183.00	112.59
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1117	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,345.29	126.29
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1118	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,651.23	144.38
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1119	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,130.74	202.13
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1120	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,645.54	254.78
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1121	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,800.64	318.51
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	

33 14 13 13-1122 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1099)*

33 14 13 13-1123	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	258.15	49.20
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	
33 14 13 13-1124	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	379.90	72.57
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1125	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	527.60	86.18
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1126	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	808.84	95.97
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	
33 14 13 13-1127	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	1,045.47	112.59
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1128	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,486.57	126.29
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1129	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,201.58	144.38
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1130	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,531.13	202.13
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	
33 14 13 13-1131	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,550.35	254.78
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1132	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,405.74	318.51
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	
33 14 13 13-1133		**Push-On Joint Ductile Iron Tee** *(33 14 13 13-1099)*		
33 14 13 13-1134	EA	4" Tee, Push-On Joint Ductile Iron	477.44	72.57
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1135	EA	6" Tee, Push-On Joint Ductile Iron	664.42	106.66
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1136	EA	8" Tee, Push-On Joint Ductile Iron	908.79	129.26
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1137	EA	10" Tee, Push-On Joint Ductile Iron	1,340.32	145.84
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	
33 14 13 13-1138	EA	12" Tee, Push-On Joint Ductile Iron	1,669.60	168.15
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1139	EA	14" Tee, Push-On Joint Ductile Iron	2,692.09	202.13
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1140	EA	16" Tee, Push-On Joint Ductile Iron	3,893.01	252.74
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1141	EA	18" Tee, Push-On Joint Ductile Iron	4,892.21	337.18
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	
33 14 13 13-1142	EA	20" Tee, Push-On Joint Ductile Iron	5,764.42	411.41
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1143	EA	24" Tee, Push-On Joint Ductile Iron	7,551.11	514.23
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1144		Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1099)*		
33 14 13 13-1145	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	498.58	170.68
		For Cement Mortar Lining (CML), Add	*24.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1146	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	611.06	211.31
		For Cement Mortar Lining (CML), Add	*29.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1147	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	791.68	246.46
		For Cement Mortar Lining (CML), Add	*41.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1148	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	1,092.35	360.95
		For Cement Mortar Lining (CML), Add	*54.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,315.93	412.58
		For Cement Mortar Lining (CML), Add	*69.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,509.47	444.23
		For Cement Mortar Lining (CML), Add	*83.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,783.74	481.27
		For Cement Mortar Lining (CML), Add	*105.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	2,111.38	577.53
		For Cement Mortar Lining (CML), Add	*123.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,444.98	641.69
		For Cement Mortar Lining (CML), Add	*147.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1154	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	3,049.10	740.43
		For Cement Mortar Lining (CML), Add	*192.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1155	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,805.09	888.45
		For Cement Mortar Lining (CML), Add	*345.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*622.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1156	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,618.00	1,110.56
		For Cement Mortar Lining (CML), Add	*493.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*888.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1157	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	8,335.02	1,283.39
		For Cement Mortar Lining (CML), Add	*639.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,150.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*479.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1158	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,641.13	1,650.03
		For Cement Mortar Lining (CML), Add	*814.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,465.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*610.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1159	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,908.77	1,925.51
		For Cement Mortar Lining (CML), Add	*999.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,798.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*749.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1160 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1099)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1161	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	63.96	26.57
33 14 13 13-1162	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	84.04	34.67
33 14 13 13-1163	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	109.92	35.69
33 14 13 13-1164	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	129.55	37.91
33 14 13 13-1165	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	153.74	42.10
33 14 13 13-1166	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	193.46	47.37
33 14 13 13-1167	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	228.03	54.14
33 14 13 13-1168	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	256.76	58.65
33 14 13 13-1169	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	299.64	70.38
33 14 13 13-1170	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	358.88	73.09
33 14 13 13-1171	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	459.10	81.21
33 14 13 13-1172	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	597.43	87.97
33 14 13 13-1173	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	736.56	96.26
33 14 13 13-1174	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	868.59	108.28
33 14 13 13-1175	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,197.41	117.43

33 14 13 13-1176 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1099)*

33 14 13 13-1177	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	284.45	98.44
33 14 13 13-1178	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	371.78	120.17
33 14 13 13-1179	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	475.94	146.56
33 14 13 13-1180	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	703.34	178.79
33 14 13 13-1181	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	871.20	218.03
33 14 13 13-1182	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,465.35	266.01
33 14 13 13-1183	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,679.90	324.64
33 14 13 13-1184	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,916.33	395.96
33 14 13 13-1185	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,586.38	483.16
33 14 13 13-1186	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,290.01	589.33
33 14 13 13-1187	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,578.94	719.13
33 14 13 13-1188	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,868.12	877.23
33 14 13 13-1189	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	14,117.91	1,070.31
33 14 13 13-1190	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	18,237.91	1,305.70

33 14 13 13-1191 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1192 WEKO Seals *(33 14 13 13-1191)*

Note: Internal joint seal.

33 14 13 13-1193	EA	16" WEKO Internal Joint Seal	2,685.18	255.58
		For Extra Wide Seals, Add	*89.36*	
33 14 13 13-1194	EA	18" WEKO Internal Joint Seal	2,861.24	269.87
		For Extra Wide Seals, Add	*90.45*	
33 14 13 13-1195	EA	20" WEKO Internal Joint Seal	3,037.06	284.17
		For Extra Wide Seals, Add	*91.53*	
33 14 13 13-1196	EA	24" WEKO Internal Joint Seal	3,216.32	306.90
		For Extra Wide Seals, Add	*93.25*	
33 14 13 13-1197	EA	30" WEKO Internal Joint Seal	3,317.31	329.64
		For Extra Wide Seals, Add	*94.97*	
33 14 13 13-1198	EA	36" WEKO Internal Joint Seal	3,477.75	358.06
		For Extra Wide Seals, Add	*97.13*	
33 14 13 13-1199	EA	42" WEKO Internal Joint Seal	3,705.55	392.15
		For Extra Wide Seals, Add	*99.71*	
33 14 13 13-1200	EA	48" WEKO Internal Joint Seal	4,002.97	420.57
		For Extra Wide Seals, Add	*101.86*	
33 14 13 13-1201	EA	54" WEKO Internal Joint Seal	4,150.93	443.30
		For Extra Wide Seals, Add	*103.58*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

Note: Includes detectable tracer wire.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0001		AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002		AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	13.46	5.01
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	19.15	6.08
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	25.75	6.84
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	33.41	7.59
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	42.78	8.51
33 14 13 23-0008		AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	14.69	5.01
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	21.71	6.08
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	30.05	6.84
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	40.10	7.59
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	52.12	8.51
33 14 13 23-0014		AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	15.90	5.01
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	24.25	6.08
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	34.35	6.84
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	46.64	7.59
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	61.46	8.51
33 14 13 23-0020		AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	66.99	12.76
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	81.55	15.19
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	108.71	18.23
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	155.47	21.27
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	213.02	24.31
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	268.35	25.82
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	338.30	27.79
33 14 13 23-0028		AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	49.47	9.57
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	61.66	10.63
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	76.34	12.76
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	93.69	15.19
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	127.43	18.23
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	182.32	21.27
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	248.97	24.31
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	328.14	25.82
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	415.88	27.79
33 14 13 23-0038		AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	56.66	9.57
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	71.65	10.63
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	88.74	12.76
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	109.78	15.19
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	150.53	18.23
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	217.03	21.27
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	299.64	24.31
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	388.17	25.82
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	494.21	27.79
33 14 13 23-0048		AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	68.96	9.57
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	86.25	10.63
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	107.54	12.76
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	132.49	15.19
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	183.28	18.23
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	268.42	21.27
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	378.65	24.31
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	504.03	25.82
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	649.69	27.79
33 14 13 23-0058		AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	78.20	9.57
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	98.27	10.63
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	122.71	12.76
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	151.37	15.19
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	210.44	18.23
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	310.21	21.27
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	439.70	24.31
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	587.71	25.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0067		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	87.20	9.57
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	109.97	10.63
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	137.44	12.76
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	169.75	15.19
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	236.87	18.23
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	350.87	21.27
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	499.11	24.31
33 14 13 23-0075		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0077	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	224.56	17.21
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0078	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	453.77	19.36
		For DR 25, Deduct	*-24.90*	
33 14 13 23-0079	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	678.74	21.52
		For DR 25, Deduct	*-38.14*	
33 14 13 23-0080	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,036.28	33.81
		For DR 25, Deduct	*-58.12*	
33 14 13 23-0081	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,353.00	56.35
		For DR 25, Deduct	*-74.42*	
33 14 13 23-0082	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,026.81	70.43
		For DR 25, Deduct	*-113.16*	
33 14 13 23-0083	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,418.93	84.51
		For DR 25, Deduct	*-134.99*	
33 14 13 23-0084	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,139.21	112.69
		For DR 25, Deduct	*-234.83*	
33 14 13 23-0085	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	5,096.28	140.86
		For DR 25, Deduct	*-288.87*	
33 14 13 23-0086	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,444.12	190.16
		For DR 25, Deduct	*-483.83*	
33 14 13 23-0087		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0088	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	199.73	17.21
		For DR 25, Deduct	*-9.92*	
33 14 13 23-0089	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	341.17	19.36
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0090	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	431.20	21.52
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0091	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	610.57	33.81
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0092	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	820.31	56.35
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0093	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,563.46	70.43
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0094	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,979.96	84.51
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0095	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,405.28	112.69
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0096	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,229.84	140.86
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0097	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,966.03	190.16
		For DR 25, Deduct	*-335.14*	
33 14 13 23-0098		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0099	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	196.71	17.21
		For DR 25, Deduct	*-9.74*	
33 14 13 23-0100	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	341.18	19.36
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0101	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	431.21	21.52
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0102	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	610.59	33.81
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0103	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	820.32	56.35
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0104	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,557.80	67.62
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0105	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,979.93	84.51
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0106	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	3,405.28	112.69
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0107	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	4,229.84	140.86
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0108	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	5,966.03	190.16
		For DR 25, Deduct	*-335.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0109		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0110	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	174.48	17.21
		For DR 25, Deduct	*-8.40*	
33 14 13 23-0111	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	341.18	19.36
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0112	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	431.21	21.52
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0113	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	610.59	33.81
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0114	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	820.32	56.35
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0115	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,557.80	67.62
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0116	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,979.93	84.51
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0117	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	3,405.28	112.69
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0118	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	4,229.84	140.86
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0119	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	5,966.03	190.16
		For DR 25, Deduct	*-335.14*	
33 14 13 23-0120		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes** *(33 14 13 23-0075)*		
33 14 13 23-0121	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	266.48	19.36
		For DR 25, Deduct	*-13.67*	
33 14 13 23-0122	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	508.62	21.52
		For DR 25, Deduct	*-27.94*	
33 14 13 23-0123	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	707.61	24.38
		For DR 25, Deduct	*-39.53*	
33 14 13 23-0124	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,455.21	42.26
		For DR 25, Deduct	*-82.24*	
33 14 13 23-0125	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,788.05	84.51
		For DR 25, Deduct	*-97.14*	
33 14 13 23-0126	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,212.29	105.65
		For DR 25, Deduct	*-180.06*	
33 14 13 23-0127	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,977.30	126.77
		For DR 25, Deduct	*-223.42*	
33 14 13 23-0128	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	5,021.68	169.04
		For DR 25, Deduct	*-281.02*	
33 14 13 23-0129	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	6,033.41	211.29
		For DR 25, Deduct	*-336.65*	
33 14 13 23-0130	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	8,224.79	143.68
		For DR 25, Deduct	*-476.25*	
33 14 13 23-0131		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes** *(33 14 13 23-0075)*		
33 14 13 23-0132	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	508.94	27.97
		For DR 25, Deduct	*-27.18*	
33 14 13 23-0133	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	689.25	30.12
		For DR 25, Deduct	*-37.74*	
33 14 13 23-0134	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	706.64	31.20
		For DR 25, Deduct	*-38.65*	
33 14 13 23-0135	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	916.88	42.26
		For DR 25, Deduct	*-49.94*	
33 14 13 23-0136	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,236.74	43.32
		For DR 25, Deduct	*-69.01*	
33 14 13 23-0137	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,322.32	44.37
		For DR 25, Deduct	*-74.01*	
33 14 13 23-0138	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,408.31	64.80
		For DR 25, Deduct	*-76.72*	
33 14 13 23-0139	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,613.53	65.86
		For DR 25, Deduct	*-88.91*	
33 14 13 23-0140	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,710.71	66.91
		For DR 25, Deduct	*-94.61*	
33 14 13 23-0141	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye)	1,744.78	73.25
		For DR 25, Deduct	*-95.90*	
33 14 13 23-0142	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,637.06	76.06
		For DR 25, Deduct	*-149.10*	
33 14 13 23-0143	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,742.41	77.12
		For DR 25, Deduct	*-155.29*	
33 14 13 23-0144	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,848.01	78.18
		For DR 25, Deduct	*-161.50*	
33 14 13 23-0145	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,963.59	84.51
		For DR 25, Deduct	*-167.67*	
33 14 13 23-0146	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,089.41	95.79
		For DR 25, Deduct	*-173.87*	
33 14 13 23-0147	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,290.26	92.96
		For DR 25, Deduct	*-186.26*	
33 14 13 23-0148	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,393.46	92.96
		For DR 25, Deduct	*-192.45*	
33 14 13 23-0149	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,498.81	94.02
		For DR 25, Deduct	*-198.65*	

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33 14 13 23-0150	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,604.17	95.08
		For DR 25, Deduct	*-204.84*	
33 14 13 23-0151	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,742.59	112.69
		For DR 25, Deduct	*-211.03*	
33 14 13 23-0152	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,857.08	118.32
		For DR 25, Deduct	*-217.23*	
33 14 13 23-0153	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,068.48	121.14
		For DR 25, Deduct	*-229.57*	
33 14 13 23-0154	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,174.54	122.20
		For DR 25, Deduct	*-235.81*	
33 14 13 23-0155	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,279.89	123.26
		For DR 25, Deduct	*-242.00*	
33 14 13 23-0156	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,395.79	129.59
		For DR 25, Deduct	*-248.20*	
33 14 13 23-0157	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,521.53	140.86
		For DR 25, Deduct	*-254.39*	
33 14 13 23-0158	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,635.32	146.50
		For DR 25, Deduct	*-260.54*	
33 14 13 23-0159	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,780.40	154.95
		For DR 25, Deduct	*-268.23*	
33 14 13 23-0160	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,158.51	149.31
		For DR 25, Deduct	*-291.59*	
33 14 13 23-0161	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,336.90	150.37
		For DR 25, Deduct	*-302.17*	
33 14 13 23-0162	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,407.35	151.43
		For DR 25, Deduct	*-306.27*	
33 14 13 23-0163	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,488.44	157.76
		For DR 25, Deduct	*-310.38*	
33 14 13 23-0164	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,579.36	169.04
		For DR 25, Deduct	*-314.48*	
33 14 13 23-0165	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,701.44	174.67
		For DR 25, Deduct	*-321.13*	
33 14 13 23-0166	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,829.21	183.12
		For DR 25, Deduct	*-327.78*	
33 14 13 23-0167	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,931.30	197.20
		For DR 25, Deduct	*-332.21*	
33 14 13 23-0168	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,081.97	198.61
		For DR 25, Deduct	*-341.08*	
33 14 13 23-0169	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,158.04	199.67
		For DR 25, Deduct	*-345.52*	
33 14 13 23-0170	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,234.10	200.73
		For DR 25, Deduct	*-349.96*	
33 14 13 23-0171	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,547.45	207.07
		For DR 25, Deduct	*-368.00*	
33 14 13 23-0172	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,870.65	218.34
		For DR 25, Deduct	*-386.04*	
33 14 13 23-0173	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,182.61	223.97
		For DR 25, Deduct	*-404.08*	
33 14 13 23-0174	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,500.20	232.42
		For DR 25, Deduct	*-422.12*	
33 14 13 23-0175	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,829.06	246.51
		For DR 25, Deduct	*-440.16*	
33 14 13 23-0176	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	8,157.91	260.59
		For DR 25, Deduct	*-458.20*	

33 14 13 23-0177 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross *(33 14 13 23-0075)*

33 14 13 23-0178	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	372.53	34.42
		For DR 25, Deduct	*-18.22*	
33 14 13 23-0179	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	660.26	38.73
		For DR 25, Deduct	*-34.97*	
33 14 13 23-0180	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	910.03	43.03
		For DR 25, Deduct	*-49.44*	
33 14 13 23-0181	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	1,847.87	67.62
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0182	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	2,193.24	84.51
		For DR 25, Deduct	*-121.45*	
33 14 13 23-0183	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	3,976.86	112.69
		For DR 25, Deduct	*-225.09*	
33 14 13 23-0184	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	4,935.60	140.86
		For DR 25, Deduct	*-279.25*	
33 14 13 23-0185	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	6,306.15	225.38
		For DR 25, Deduct	*-351.32*	
33 14 13 23-0186	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	7,577.09	281.73
		For DR 25, Deduct	*-420.82*	
33 14 13 23-0187	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	10,681.83	380.32
		For DR 25, Deduct	*-595.27*	

33 14 13 23-0188 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross *(33 14 13 23-0075)*

33 14 13 23-0189	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	639.85	36.58
		For DR 25, Deduct	*-34.00*	
33 14 13 23-0190	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	864.69	38.73
		For DR 25, Deduct	*-47.23*	
33 14 13 23-0191	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	887.24	40.88
		For DR 25, Deduct	*-48.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0192	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,325.65	50.71
		For DR 25, Deduct	*-73.45*	
33 14 13 23-0193	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,543.48	52.82
		For DR 25, Deduct	*-86.27*	
33 14 13 23-0194	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,694.44	54.93
		For DR 25, Deduct	*-95.07*	
33 14 13 23-0195	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,745.43	73.25
		For DR 25, Deduct	*-95.94*	
33 14 13 23-0196	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,002.92	75.37
		For DR 25, Deduct	*-111.13*	
33 14 13 23-0197	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,126.01	77.47
		For DR 25, Deduct	*-118.26*	
33 14 13 23-0198	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,177.99	90.15
		For DR 25, Deduct	*-119.86*	
33 14 13 23-0199	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,275.19	84.51
		For DR 25, Deduct	*-186.37*	
33 14 13 23-0200	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,408.06	86.63
		For DR 25, Deduct	*-194.09*	
33 14 13 23-0201	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,542.37	88.74
		For DR 25, Deduct	*-201.89*	
33 14 13 23-0202	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,697.24	101.42
		For DR 25, Deduct	*-209.66*	
33 14 13 23-0203	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,870.88	123.95
		For DR 25, Deduct	*-217.38*	
33 14 13 23-0204	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,082.60	101.42
		For DR 25, Deduct	*-232.79*	
33 14 13 23-0205	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,217.24	103.53
		For DR 25, Deduct	*-240.61*	
33 14 13 23-0206	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,350.42	105.65
		For DR 25, Deduct	*-248.35*	
33 14 13 23-0207	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,505.19	118.32
		For DR 25, Deduct	*-256.11*	
33 14 13 23-0208	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,586.93	140.86
		For DR 25, Deduct	*-258.31*	
33 14 13 23-0209	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,830.20	152.13
		For DR 25, Deduct	*-271.56*	
33 14 13 23-0210	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,042.56	129.59
		For DR 25, Deduct	*-287.00*	
33 14 13 23-0211	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,176.87	131.70
		For DR 25, Deduct	*-294.81*	
33 14 13 23-0212	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,310.26	133.82
		For DR 25, Deduct	*-302.56*	
33 14 13 23-0213	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,463.10	146.50
		For DR 25, Deduct	*-310.21*	
33 14 13 23-0214	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,638.27	169.04
		For DR 25, Deduct	*-318.01*	
33 14 13 23-0215	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,789.37	180.30
		For DR 25, Deduct	*-325.73*	
33 14 13 23-0216	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,983.16	197.20
		For DR 25, Deduct	*-335.33*	
33 14 13 23-0217	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,391.00	157.76
		For DR 25, Deduct	*-364.53*	
33 14 13 23-0218	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,615.20	159.88
		For DR 25, Deduct	*-377.73*	
33 14 13 23-0219	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,705.49	161.99
		For DR 25, Deduct	*-382.89*	
33 14 13 23-0220	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,815.98	174.67
		For DR 25, Deduct	*-388.00*	
33 14 13 23-0221	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,946.21	197.20
		For DR 25, Deduct	*-393.11*	
33 14 13 23-0222	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,106.33	208.48
		For DR 25, Deduct	*-401.36*	
33 14 13 23-0223	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,280.47	225.38
		For DR 25, Deduct	*-409.78*	
33 14 13 23-0224	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,428.97	253.55
		For DR 25, Deduct	*-415.31*	
33 14 13 23-0225	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,479.02	207.07
		For DR 25, Deduct	*-423.89*	
33 14 13 23-0226	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,617.17	209.18
		For DR 25, Deduct	*-431.93*	
33 14 13 23-0227	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,714.21	211.29
		For DR 25, Deduct	*-437.50*	
33 14 13 23-0228	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,114.99	223.97
		For DR 25, Deduct	*-460.02*	
33 14 13 23-0229	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,535.61	246.51
		For DR 25, Deduct	*-482.56*	
33 14 13 23-0230	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,933.63	257.78
		For DR 25, Deduct	*-505.08*	
33 14 13 23-0231	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,344.53	274.67
		For DR 25, Deduct	*-527.71*	
33 14 13 23-0232	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,775.54	302.85
		For DR 25, Deduct	*-550.19*	
33 14 13 23-0233	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	10,208.18	331.02
		For DR 25, Deduct	*-572.77*	

33 14 13 23-0234 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0075)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0235	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	136.83	17.21
		For DR 25, Deduct	*-6.14*	
33 14 13 23-0236	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	250.09	19.36
		For DR 25, Deduct	*-12.68*	
33 14 13 23-0237	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	300.33	21.52
		For DR 25, Deduct	*-15.44*	
33 14 13 23-0238	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	427.53	33.81
		For DR 25, Deduct	*-21.59*	
33 14 13 23-0239	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	675.90	42.26
		For DR 25, Deduct	*-35.48*	
33 14 13 23-0240	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,166.50	56.35
		For DR 25, Deduct	*-63.23*	
33 14 13 23-0241	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,383.19	70.43
		For DR 25, Deduct	*-74.54*	
33 14 13 23-0242	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,291.06	112.69
		For DR 25, Deduct	*-183.94*	
33 14 13 23-0243	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,694.79	140.86
		For DR 25, Deduct	*-204.78*	
33 14 13 23-0244	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	5,199.36	190.16
		For DR 25, Deduct	*-289.14*	

33 14 13 23-0245 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter *(33 14 13 23-0075)*

33 14 13 23-0246	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	168.00	17.21
		For DR 25, Deduct	*-8.01*	
33 14 13 23-0247	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	226.69	19.36
		For DR 25, Deduct	*-11.28*	
33 14 13 23-0248	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	326.98	21.52
		For DR 25, Deduct	*-17.04*	
33 14 13 23-0249	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	448.32	33.81
		For DR 25, Deduct	*-22.84*	
33 14 13 23-0250	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	719.22	56.35
		For DR 25, Deduct	*-36.39*	
33 14 13 23-0251	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	1,879.36	67.62
		For DR 25, Deduct	*-104.65*	
33 14 13 23-0252	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	2,541.47	84.51
		For DR 25, Deduct	*-142.35*	
33 14 13 23-0253	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,134.55	112.69
		For DR 25, Deduct	*-174.55*	
33 14 13 23-0254	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,747.20	140.86
		For DR 25, Deduct	*-207.93*	
33 14 13 23-0255	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	5,090.00	190.16
		For DR 25, Deduct	*-282.58*	

33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0256)*

33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.17	1.15
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.49	1.24
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.01	1.35
		For >1,000, Deduct	*-0.20*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.61	1.49
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.79	1.66
		For >1,000, Deduct	*-0.29*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.24*	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.32	1.90
		For >1,000, Deduct	*-0.37*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.39*	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.88	2.15
		For >1,000, Deduct	*-0.44*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.53*	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	12.37	2.65
		For >1,000, Deduct	*-0.62*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.86*	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	20.92	3.36
		For >1,000, Deduct	*-1.05*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.88*	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	32.50	4.51
		For >1,000, Deduct	*-1.63*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.18*	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	48.08	6.03
		For >1,000, Deduct	*-2.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*4.95*	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	66.79	8.11
		For >1,000, Deduct	*-3.34*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*6.98*	

33 14 13 23-0270 Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows *(33 14 13 23-0256)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	34.77	13.77
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	43.88	17.21
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	55.17	21.52
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	77.84	23.81
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	84.72	26.68
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	99.54	30.26
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	112.78	34.43
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	153.16	42.29
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	216.08	53.73
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	339.59	70.54
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	422.35	94.36
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	559.70	127.01
33 14 13 23-0283		**Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0256)*		
33 14 13 23-0284	EA	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	35.26	13.77
33 14 13 23-0285	EA	1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	44.23	17.21
33 14 13 23-0286	EA	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	55.38	21.52
33 14 13 23-0287	EA	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	71.42	23.81
33 14 13 23-0288	EA	2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	85.31	26.68
33 14 13 23-0289	EA	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	101.96	30.26
33 14 13 23-0290	EA	3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	111.75	34.43
33 14 13 23-0291	EA	4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	150.95	42.29
33 14 13 23-0292	EA	6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	211.62	53.73
33 14 13 23-0293	EA	8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	331.11	70.54
33 14 13 23-0294	EA	10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	387.19	94.36
33 14 13 23-0295	EA	12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	511.05	127.01
33 14 13 23-0296		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes** *(33 14 13 23-0256)*		
33 14 13 23-0297	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	52.13	20.66
33 14 13 23-0298	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	65.72	25.96
33 14 13 23-0299	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	82.31	32.42
33 14 13 23-0300	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	108.87	35.86
33 14 13 23-0301	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	123.43	39.88
33 14 13 23-0302	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	143.05	45.47
33 14 13 23-0303	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	171.88	51.53
33 14 13 23-0304	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	223.20	63.51
33 14 13 23-0305	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	354.86	80.73
33 14 13 23-0306	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	522.47	105.80
33 14 13 23-0307	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	621.92	144.66
33 14 13 23-0308	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	785.49	194.67
33 14 13 23-0309		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings** *(33 14 13 23-0256)*		
33 14 13 23-0310	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	23.27	9.18
33 14 13 23-0311	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	31.37	12.33
33 14 13 23-0312	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	41.71	16.21
33 14 13 23-0313	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	55.45	17.93
33 14 13 23-0314	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	61.28	19.94
33 14 13 23-0315	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	69.71	22.67
33 14 13 23-0316	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	80.58	25.76
33 14 13 23-0317	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	108.36	31.69
33 14 13 23-0318	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	151.84	40.36
33 14 13 23-0319	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	248.44	52.90
33 14 13 23-0320	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	297.17	72.40
33 14 13 23-0321	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	381.62	97.33
33 14 13 23-0322		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0323		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0322)*		
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.42	1.15
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.96	1.24
		For >1,000, Deduct	*-0.20*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.05	1.49
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.95	1.66
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.58	1.90
		For >1,000, Deduct	*-0.38*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.43*	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	9.05	2.15
		For >1,000, Deduct	*-0.45*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.55*	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	11.92	2.65
		For >1,000, Deduct	*-0.60*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.80*	
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	17.65	3.36
		For >1,000, Deduct	*-0.88*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0332		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0333	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	34.95	13.77
33 14 13 23-0334	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	43.99	17.21
33 14 13 23-0335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	61.08	23.81
33 14 13 23-0336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	68.80	26.68
33 14 13 23-0337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	81.66	30.26
33 14 13 23-0338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	93.22	34.43
33 14 13 23-0339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	120.42	42.29
33 14 13 23-0340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	181.02	53.73
33 14 13 23-0341		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0342	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	34.90	13.77
33 14 13 23-0343	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	43.94	17.21
33 14 13 23-0344	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	61.10	23.81
33 14 13 23-0345	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	68.63	26.68
33 14 13 23-0346	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	81.21	30.26
33 14 13 23-0347	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	92.68	34.43
33 14 13 23-0348	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	119.33	42.29
33 14 13 23-0349	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	177.57	53.73
33 14 13 23-0350		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0322)*		
33 14 13 23-0351	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	52.32	20.66
33 14 13 23-0352	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	65.86	25.96
33 14 13 23-0353	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	91.41	35.86
33 14 13 23-0354	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	102.61	39.88
33 14 13 23-0355	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	122.76	45.47
33 14 13 23-0356	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	142.01	51.53
33 14 13 23-0357	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	176.22	63.51
33 14 13 23-0358	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	274.86	80.73
33 14 13 23-0359		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0322)*		
33 14 13 23-0360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	23.35	9.18
33 14 13 23-0361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	31.44	12.33
33 14 13 23-0362	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	45.60	17.93
33 14 13 23-0363	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	51.29	19.94
33 14 13 23-0364	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	59.79	22.67
33 14 13 23-0365	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	69.09	25.76
33 14 13 23-0366	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	85.47	31.69
33 14 13 23-0367	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	122.08	40.36
33 14 13 23-0368		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0322)*		
33 14 13 23-0369	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	69.92	27.55
33 14 13 23-0370	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Cross	87.70	34.58
33 14 13 23-0371	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	121.85	47.77
33 14 13 23-0372	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Cross	136.80	53.22
33 14 13 23-0373	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	163.63	60.54
33 14 13 23-0374	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Cross	189.27	68.74
33 14 13 23-0375	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Cross	234.86	84.59
33 14 13 23-0376	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Cross	366.04	107.59
33 14 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0377)*		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.23	1.24
		For >1,000, Deduct	*-0.21*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.17*	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.59	1.49
		For >1,000, Deduct	*-0.28*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.28*	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.86	1.66
		For >1,000, Deduct	*-0.34*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.76	1.90
		For >1,000, Deduct	*-0.44*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.60*	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	10.70	2.15
		For >1,000, Deduct	*-0.54*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.80*	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	14.45	2.65
		For >1,000, Deduct	*-0.72*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.17*	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	23.29	3.36
		For >1,000, Deduct	*-1.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.23*	
33 14 13 23-0386		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0387	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	45.39	17.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0388	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	61.08	23.81
33 14 13 23-0389	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	70.21	26.68
33 14 13 23-0390	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	84.64	30.26
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	95.98	34.43
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	121.08	42.29
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	177.86	53.73
33 14 13 23-0394		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	51.14	17.21
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	66.62	23.81
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	75.53	26.68
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	94.63	30.26
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	108.99	34.43
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	147.23	42.29
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	176.11	53.73
33 14 13 23-0402		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0377)*		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	68.80	25.96
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	100.35	35.86
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	113.26	39.88
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	128.40	45.47
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	147.41	51.53
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	180.11	63.51
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	274.72	80.73
33 14 13 23-0410		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0377)*		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	33.54	12.33
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	49.21	17.93
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	54.69	19.94
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	68.52	22.67
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	77.88	25.76
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	96.16	31.69
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	137.01	40.36
33 14 13 23-0418		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0377)*		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	91.61	34.58
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	133.72	47.77
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	150.94	53.22
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	171.12	60.54
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	196.44	68.74
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	240.03	84.59
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	365.86	107.59
33 14 13 23-0426		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0427		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	61.17	4.42
33 14 13 23-0429	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	86.29	4.75
33 14 13 23-0430	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	116.07	5.51
33 14 13 23-0431	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	157.87	7.06
33 14 13 23-0432	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	180.94	8.61
33 14 13 23-0433		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0434	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	779.54	64.08
33 14 13 23-0435	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,625.43	107.43
33 14 13 23-0436	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,791.06	117.26
33 14 13 23-0437	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,531.29	126.86
33 14 13 23-0438	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,824.54	136.48
33 14 13 23-0439		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,079.86	64.08
33 14 13 23-0441	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,322.46	107.43
33 14 13 23-0442	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,772.87	117.26
33 14 13 23-0443	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,412.59	126.86
33 14 13 23-0444	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,859.22	136.48
33 14 13 23-0445		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0426)*		
33 14 13 23-0446	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,500.33	102.52
33 14 13 23-0447	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,213.14	153.22
33 14 13 23-0448	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,906.17	163.40
33 14 13 23-0449	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,957.77	173.01
33 14 13 23-0450	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,778.28	182.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0451		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0426)*		
33 14 13 23-0452	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,472.81	97.39
33 14 13 23-0453	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,621.97	138.27
33 14 13 23-0454	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,844.26	145.55
33 14 13 23-0455	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,079.01	140.10
33 14 13 23-0456	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,304.04	147.46
33 14 13 23-0457	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,621.71	155.23
33 14 13 23-0458	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,013.42	140.93
33 14 13 23-0459	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,399.58	148.34
33 14 13 23-0460	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,890.82	156.14
33 14 13 23-0461	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,457.96	164.37
33 14 13 23-0462	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,073.72	141.31
33 14 13 23-0463	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,766.48	148.74
33 14 13 23-0464	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,313.11	156.58
33 14 13 23-0465	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,153.86	164.80
33 14 13 23-0466	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	9,034.98	173.48
33 14 13 23-0467		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0468	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,514.72	102.52
33 14 13 23-0469	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,544.85	153.22
33 14 13 23-0470	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,419.60	163.40
33 14 13 23-0471	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,901.35	173.01
33 14 13 23-0472	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,587.82	182.61
33 14 13 23-0473		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0474	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,323.20	97.39
33 14 13 23-0475	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,843.71	138.27
33 14 13 23-0476	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,127.93	145.55
33 14 13 23-0477	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,436.12	140.10
33 14 13 23-0478	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,570.34	147.46
33 14 13 23-0479	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,098.74	155.23
33 14 13 23-0480	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,281.89	140.93
33 14 13 23-0481	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,703.39	148.34
33 14 13 23-0482	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,907.18	164.37
33 14 13 23-0483	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,299.65	141.31
33 14 13 23-0484	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,276.51	148.74
33 14 13 23-0485	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,151.27	156.58
33 14 13 23-0486	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,827.94	164.80
33 14 13 23-0487	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	11,020.69	173.48
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	710.78	64.08
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	974.60	107.43
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,333.55	117.26
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,594.16	126.86
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,837.70	136.48
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0495	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	953.42	60.86
33 14 13 23-0496	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	707.70	57.82
33 14 13 23-0497	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	993.03	102.06
33 14 13 23-0498	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,870.23	96.96
33 14 13 23-0499	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,744.23	92.11
33 14 13 23-0500	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,377.31	87.51
33 14 13 23-0501	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	896.26	111.38
33 14 13 23-0502	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,496.45	105.83
33 14 13 23-0503	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,109.48	100.53
33 14 13 23-0504	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,829.15	95.49
33 14 13 23-0505	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,692.57	120.51
33 14 13 23-0506	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,282.56	114.49
33 14 13 23-0507	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,696.74	108.77
33 14 13 23-0508	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,538.81	103.33
33 14 13 23-0509	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,354.50	98.16
33 14 13 23-0510	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,086.44	129.66
33 14 13 23-0511		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0512	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	872.15	108.77
33 14 13 23-0513	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,490.07	103.33
33 14 13 23-0514	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,143.26	103.33
33 14 13 23-0515	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,833.23	98.16
33 14 13 23-0516	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,924.13	93.26
33 14 13 23-0517	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,834.24	88.59
33 14 13 23-0518	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,688.67	98.16
33 14 13 23-0519	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	3,032.56	93.26
33 14 13 23-0520	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,966.26	88.59
33 14 13 23-0521	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,166.96	84.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0522	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,019.40	93.26
33 14 13 23-0523	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,334.77	88.59
33 14 13 23-0524	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,154.27	84.16
33 14 13 23-0525	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,053.00	79.96
33 14 13 23-0526	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,852.22	75.96
33 14 13 23-0527	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,597.38	123.18

33 14 13 23-0528 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges *(33 14 13 23-0426)*

33 14 13 23-0529	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	932.58	64.08
33 14 13 23-0530	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,128.00	107.43
33 14 13 23-0531	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,083.24	117.26
33 14 13 23-0532	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,461.14	126.86
33 14 13 23-0533	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,271.21	136.48
33 14 13 23-0534	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0535	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0536	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0537	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0538	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0539	EA	Zinc Coated Flange Hardware Kit	179.88	

33 14 13 23-0540 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0541 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0540)*

33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	9.75	3.95
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.40*	
		For SDR 15.5, Add	*0.58*	
		For SDR 13.5, Add	*0.90*	
		For SDR 11, Add	*1.46*	
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	11.66	5.01
		For SDR 26, Deduct	*-0.30*	
		For SDR 19, Add	*0.15*	
		For SDR 17, Add	*0.36*	
		For SDR 15.5, Add	*0.53*	
		For SDR 13.5, Add	*0.83*	
		For SDR 11, Add	*1.34*	
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	15.69	6.08
		For SDR 26, Deduct	*-0.65*	
		For SDR 19, Add	*0.32*	
		For SDR 17, Add	*0.79*	
		For SDR 15.5, Add	*1.15*	
		For SDR 13.5, Add	*1.80*	
		For SDR 11, Add	*2.89*	
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	19.68	6.84
		For SDR 26, Deduct	*-1.10*	
		For SDR 19, Add	*0.54*	
		For SDR 17, Add	*1.34*	
		For SDR 15.5, Add	*1.96*	
		For SDR 13.5, Add	*3.05*	
		For SDR 11, Add	*4.91*	
33 14 13 23-0546	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	24.54	7.59
		For SDR 26, Deduct	*-1.71*	
		For SDR 19, Add	*0.84*	
		For SDR 17, Add	*2.08*	
		For SDR 15.5, Add	*3.04*	
		For SDR 13.5, Add	*4.75*	
		For SDR 11, Add	*7.64*	
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.34	8.51
		For SDR 26, Deduct	*-2.47*	
		For SDR 19, Add	*1.21*	
		For SDR 17, Add	*3.00*	
		For SDR 15.5, Add	*4.39*	
		For SDR 13.5, Add	*6.85*	
		For SDR 11, Add	*11.02*	
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	34.82	9.57
		For SDR 26, Deduct	*-2.90*	
		For SDR 19, Add	*1.43*	
		For SDR 17, Add	*3.52*	
		For SDR 15.5, Add	*5.15*	
		For SDR 13.5, Add	*8.05*	
		For SDR 11, Add	*12.95*	
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	41.97	10.63
		For SDR 26, Deduct	*-3.79*	
		For SDR 19, Add	*1.86*	
		For SDR 17, Add	*4.60*	
		For SDR 15.5, Add	*6.74*	
		For SDR 13.5, Add	*10.51*	
		For SDR 11, Add	*16.92*	
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	51.75	12.76
		For SDR 26, Deduct	*-4.80*	
		For SDR 19, Add	*2.35*	
		For SDR 17, Add	*5.81*	
		For SDR 15.5, Add	*8.51*	
		For SDR 13.5, Add	*13.29*	
		For SDR 11, Add	*21.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	87.78	15.19
		For SDR 26, Deduct	*-10.52*	
		For SDR 19, Add	*5.17*	
		For SDR 17, Add	*12.75*	
		For SDR 15.5, Add	*18.68*	
		For SDR 13.5, Add	*29.15*	
		For SDR 11, Add	*46.92*	
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	83.00	18.23
		For SDR 26, Deduct	*-8.53*	
		For SDR 19, Add	*4.19*	
		For SDR 17, Add	*10.34*	
		For SDR 15.5, Add	*15.15*	
		For SDR 13.5, Add	*23.64*	
		For SDR 11, Add	*38.05*	

33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*

33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	78.32	21.52
		For SDR 26, Deduct	*-2.52*	
		For SDR 19, Add	*1.24*	
		For SDR 17, Add	*3.06*	
		For SDR 15.5, Add	*4.48*	
		For SDR 13.5, Add	*6.99*	
		For SDR 11, Add	*11.25*	
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	88.12	23.93
		For SDR 26, Deduct	*-3.00*	
		For SDR 19, Add	*1.48*	
		For SDR 17, Add	*3.64*	
		For SDR 15.5, Add	*5.33*	
		For SDR 13.5, Add	*8.32*	
		For SDR 11, Add	*13.40*	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	125.52	27.32
		For SDR 26, Deduct	*-7.99*	
		For SDR 19, Add	*3.92*	
		For SDR 17, Add	*9.69*	
		For SDR 15.5, Add	*14.19*	
		For SDR 13.5, Add	*22.14*	
		For SDR 11, Add	*35.64*	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	186.79	31.91
		For SDR 26, Deduct	*-16.70*	
		For SDR 19, Add	*8.20*	
		For SDR 17, Add	*20.25*	
		For SDR 15.5, Add	*29.65*	
		For SDR 13.5, Add	*46.28*	
		For SDR 11, Add	*74.50*	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	279.63	42.61
		For SDR 26, Deduct	*-27.88*	
		For SDR 19, Add	*13.69*	
		For SDR 17, Add	*33.80*	
		For SDR 15.5, Add	*49.50*	
		For SDR 13.5, Add	*77.26*	
		For SDR 11, Add	*124.35*	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	413.94	63.76
		For SDR 26, Deduct	*-40.83*	
		For SDR 19, Add	*20.05*	
		For SDR 17, Add	*49.49*	
		For SDR 15.5, Add	*72.48*	
		For SDR 13.5, Add	*113.13*	
		For SDR 11, Add	*182.09*	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	520.68	85.09
		For SDR 26, Deduct	*-48.67*	
		For SDR 19, Add	*23.90*	
		For SDR 17, Add	*59.00*	
		For SDR 15.5, Add	*86.40*	
		For SDR 13.5, Add	*134.86*	
		For SDR 11, Add	*217.07*	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	700.39	127.53
		For SDR 26, Deduct	*-58.29*	
		For SDR 19, Add	*28.62*	
		For SDR 17, Add	*70.66*	
		For SDR 15.5, Add	*103.47*	
		For SDR 13.5, Add	*161.50*	
		For SDR 11, Add	*259.95*	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	863.07	143.44
		For SDR 26, Deduct	*-79.32*	
		For SDR 19, Add	*38.94*	
		For SDR 17, Add	*96.15*	
		For SDR 15.5, Add	*140.80*	
		For SDR 13.5, Add	*219.77*	
		For SDR 11, Add	*353.74*	
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,144.14	162.81
		For SDR 26, Deduct	*-119.28*	
		For SDR 19, Add	*58.56*	
		For SDR 17, Add	*144.59*	
		For SDR 15.5, Add	*211.74*	
		For SDR 13.5, Add	*330.50*	
		For SDR 11, Add	*531.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,442.50	191.36
		For SDR 26, Deduct	*-159.23*	
		For SDR 19, Add	*78.18*	
		For SDR 17, Add	*193.03*	
		For SDR 15.5, Add	*282.68*	
		For SDR 13.5, Add	*441.22*	
		For SDR 11, Add	*710.17*	
33 14 13 23-0565		Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*		
33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	85.41	22.53
		For SDR 26, Deduct	*-3.30*	
		For SDR 19, Add	*1.62*	
		For SDR 17, Add	*4.00*	
		For SDR 15.5, Add	*5.85*	
		For SDR 13.5, Add	*9.14*	
		For SDR 11, Add	*14.71*	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	97.64	25.51
		For SDR 26, Deduct	*-3.88*	
		For SDR 19, Add	*1.91*	
		For SDR 17, Add	*4.71*	
		For SDR 15.5, Add	*6.89*	
		For SDR 13.5, Add	*10.76*	
		For SDR 11, Add	*17.31*	
33 14 13 23-0568	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	143.59	29.43
		For SDR 26, Deduct	*-10.15*	
		For SDR 19, Add	*4.98*	
		For SDR 17, Add	*12.30*	
		For SDR 15.5, Add	*18.01*	
		For SDR 13.5, Add	*28.12*	
		For SDR 11, Add	*45.26*	
33 14 13 23-0569	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	244.72	34.79
		For SDR 26, Deduct	*-25.74*	
		For SDR 19, Add	*12.64*	
		For SDR 17, Add	*31.21*	
		For SDR 15.5, Add	*45.70*	
		For SDR 13.5, Add	*71.33*	
		For SDR 11, Add	*114.81*	
33 14 13 23-0570	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	338.06	51.07
		For SDR 26, Deduct	*-33.91*	
		For SDR 19, Add	*16.65*	
		For SDR 17, Add	*41.11*	
		For SDR 15.5, Add	*60.21*	
		For SDR 13.5, Add	*93.97*	
		For SDR 11, Add	*151.25*	
33 14 13 23-0571	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	482.20	76.61
		For SDR 26, Deduct	*-46.31*	
		For SDR 19, Add	*22.74*	
		For SDR 17, Add	*56.14*	
		For SDR 15.5, Add	*82.21*	
		For SDR 13.5, Add	*128.32*	
		For SDR 11, Add	*206.53*	
33 14 13 23-0572	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	584.12	95.68
		For SDR 26, Deduct	*-54.48*	
		For SDR 19, Add	*26.75*	
		For SDR 17, Add	*66.04*	
		For SDR 15.5, Add	*96.72*	
		For SDR 13.5, Add	*150.96*	
		For SDR 11, Add	*242.98*	
33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	783.49	143.44
		For SDR 26, Deduct	*-64.70*	
		For SDR 19, Add	*31.77*	
		For SDR 17, Add	*78.43*	
		For SDR 15.5, Add	*114.85*	
		For SDR 13.5, Add	*179.26*	
		For SDR 11, Add	*288.54*	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	991.66	167.12
		For SDR 26, Deduct	*-89.89*	
		For SDR 19, Add	*44.14*	
		For SDR 17, Add	*108.97*	
		For SDR 15.5, Add	*159.58*	
		For SDR 13.5, Add	*249.08*	
		For SDR 11, Add	*400.91*	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,354.84	197.38
		For SDR 26, Deduct	*-138.58*	
		For SDR 19, Add	*68.04*	
		For SDR 17, Add	*167.99*	
		For SDR 15.5, Add	*246.02*	
		For SDR 13.5, Add	*384.00*	
		For SDR 11, Add	*618.07*	
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,738.93	239.27
		For SDR 26, Deduct	*-187.28*	
		For SDR 19, Add	*91.95*	
		For SDR 17, Add	*227.02*	
		For SDR 15.5, Add	*332.46*	
		For SDR 13.5, Add	*518.92*	
		For SDR 11, Add	*835.23*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	113.21	36.83
		For <100, Add	*14.03*	
		For >1,000, Deduct	*-5.66*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	131.48	36.83
		For <100, Add	*14.95*	
		For >1,000, Deduct	*-6.57*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.74	40.18
		For <100, Add	*15.77*	
		For >1,000, Deduct	*-6.64*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	155.84	40.18
		For <100, Add	*16.92*	
		For >1,000, Deduct	*-7.79*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	157.20	42.10
		For <100, Add	*17.43*	
		For >1,000, Deduct	*-7.86*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	175.17	42.10
		For <100, Add	*18.33*	
		For >1,000, Deduct	*-8.76*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	188.07	46.53
		For <100, Add	*19.98*	
		For >1,000, Deduct	*-9.40*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	202.43	46.53
		For <100, Add	*20.70*	
		For >1,000, Deduct	*-10.12*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	199.46	49.12
		For <100, Add	*21.14*	
		For >1,000, Deduct	*-9.97*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	210.55	49.12
		For <100, Add	*21.69*	
		For >1,000, Deduct	*-10.53*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	244.18	55.26
		For <100, Add	*24.77*	
		For >1,000, Deduct	*-12.21*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	262.35	55.26
		For <100, Add	*25.68*	
		For >1,000, Deduct	*-13.12*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	208.92	68.89
		For <100, Add	*21.27*	
		For >1,000, Deduct	*-10.45*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	246.07	75.78
		For <100, Add	*24.27*	
		For >1,000, Deduct	*-12.30*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	271.97	79.23
		For <100, Add	*26.23*	
		For >1,000, Deduct	*-13.60*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	306.71	89.56
		For <100, Add	*29.54*	
		For >1,000, Deduct	*-15.34*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	319.03	89.56
		For <100, Add	*30.16*	
		For >1,000, Deduct	*-15.95*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	330.43	89.56
		For <100, Add	*30.73*	
		For >1,000, Deduct	*-16.52*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	343.57	89.56
		For <100, Add	*31.39*	
		For >1,000, Deduct	*-17.18*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	397.75	103.34
		For <100, Add	*36.13*	
		For >1,000, Deduct	*-19.89*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	438.41	103.34
		For <100, Add	*38.16*	
		For >1,000, Deduct	*-21.92*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	538.19	103.34
		For <100, Add	*43.15*	
		For >1,000, Deduct	*-26.91*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	491.77	120.56
		For <100, Add	*43.53*	
		For >1,000, Deduct	*-24.59*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	508.40	120.56
		For <100, Add	*44.37*	
		For >1,000, Deduct	*-25.42*	

33 14 13 36-0029 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0030	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	176.23	37.48
		For 7" Length, Add	*10.41*	
33 14 13 36-0031	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	252.89	72.09
		For 7" Length, Add	*10.87*	
33 14 13 36-0032	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	336.48	95.14
		For 7" Length, Add	*14.43*	
33 14 13 36-0033	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	539.78	144.16
		For 7" Length, Add	*25.15*	
33 14 13 36-0034	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	709.57	181.65
		For 7" Length, Add	*34.92*	
33 14 13 36-0035	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	981.48	218.76
		For 7" Length, Add	*54.40*	
33 14 13 36-0036	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,161.00	274.18
		For 7" Length, Add	*61.41*	
33 14 13 36-0037	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,250.75	274.18
		For 10" Length, Add	*40.04*	
33 14 13 36-0038	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,320.29	313.55
		For 10" Length, Add	*41.72*	
33 14 13 36-0039	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,448.82	335.43
		For 10" Length, Add	*46.68*	
33 14 13 36-0040	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,580.66	379.18
		For 10" Length, Add	*51.09*	
33 14 13 36-0041	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,011.93	401.06
		For 10" Length, Add	*72.59*	

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	9.70	2.74
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	12.08	3.08
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	15.93	3.43
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	19.82	4.11
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	24.38	5.49
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	35.23	6.85
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	44.71	8.22
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	55.86	9.04
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	75.12	11.37
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	99.09	14.39
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	158.51	17.95
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	204.49	21.65
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	349.61	24.25

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	10.30	2.74
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	14.17	3.08
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	18.01	3.43
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	21.11	4.11
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	26.29	5.49
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	37.79	6.85
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	51.81	8.22
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	66.50	9.04
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	87.63	11.37
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	118.07	14.39
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	197.79	17.95
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	275.12	21.65
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	479.95	24.25

33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps *(33 14 13)*

33 14 13 43-0001 Pipe Coatings *(33 14 13 43)*

33 14 13 43-0002 Epoxy Wrap And Pipe Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.99	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.30	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.05	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.36	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.85	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.98	

33 14 13 43-0009 Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)*

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 14 13 43-0010	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.66	
33 14 13 43-0011	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.89	
33 14 13 43-0012	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.86	
33 14 13 43-0013	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	16.56	
33 14 13 43-0014	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0015	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.88	
33 14 13 43-0016	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.86	
33 14 13 43-0017	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.04	
33 14 13 43-0018	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	31.17	
33 14 13 43-0019	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	37.39	
33 14 13 43-0020	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.74	
33 14 13 43-0021	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	56.09	
33 14 13 43-0022	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	65.43	
33 14 13 43-0023	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	74.78	
33 14 13 43-0024	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	84.13	
33 14 13 43-0025	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	93.48	
33 14 13 43-0026	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	102.82	
33 14 13 43-0027	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	112.17	
33 14 13 43-0028	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	121.52	
33 14 13 43-0029	LF	84" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	130.87	
33 14 13 43-0030	LF	90" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	140.21	
33 14 13 43-0031	LF	96" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	149.56	
33 14 13 43-0032	LF	102" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	158.91	
33 14 13 43-0033	LF	108" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	168.26	
33 14 13 43-0034	LF	114" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	177.60	
33 14 13 43-0035	LF	120" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	186.95	
33 14 13 43-0036	LF	126" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	196.30	
33 14 13 43-0037	LF	132" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	205.65	
33 14 13 43-0038	LF	138" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	214.99	
33 14 13 43-0039	LF	144" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	224.34	

33 14 13 43-0040 Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

33 14 13 43-0041	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	12.84	
		For 1/2" Thick, Add	*0.43*	
33 14 13 43-0042	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	16.24	
		For 1/2" Thick, Add	*0.57*	
33 14 13 43-0043	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	23.79	
		For 1/2" Thick, Add	*0.74*	
33 14 13 43-0044	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	40.24	
		For 1/2" Thick, Add	*1.08*	
33 14 13 43-0045	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	61.57	
		For 1/2" Thick, Add	*1.60*	
33 14 13 43-0046	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	96.61	
		For 1/2" Thick, Add	*2.44*	
33 14 13 43-0047	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	149.71	
		For 1/2" Thick, Add	*3.15*	
33 14 13 43-0048	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	203.97	
		For 1/2" Thick, Add	*3.24*	
33 14 13 43-0049	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	279.52	
		For 1/2" Thick, Add	*3.88*	
33 14 13 43-0050	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	407.08	
		For 1/2" Thick, Add	*5.43*	

33 14 13 43-0051 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0052 Cement Pipe Lining *(33 14 13 43-0051)*

Note: Shop applied.

33 14 13 43-0053	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	17.15	
		For 1/2" Thick, Add	*1.29*	
33 14 13 43-0054	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	21.33	
		For 1/2" Thick, Add	*1.59*	
33 14 13 43-0055	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	25.99	
		For 1/2" Thick, Add	*1.98*	
33 14 13 43-0056	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	33.82	
		For 1/2" Thick, Add	*2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0057	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	41.69	
		For 1/2" Thick, Add	*2.98*	
33 14 13 43-0058	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	53.60	
		For 1/2" Thick, Add	*3.49*	
33 14 13 43-0059	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	70.04	
		For 1/2" Thick, Add	*3.96*	
33 14 13 43-0060	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	83.97	
		For 1/2" Thick, Add	*3.80*	
33 14 13 43-0061	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	101.87	
		For 1/2" Thick, Add	*4.22*	
33 14 13 43-0062	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	123.58	
		For 1/2" Thick, Add	*5.06*	
33 14 13 43-0063	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	148.44	
		For 1/2" Thick, Add	*6.33*	
33 14 13 43-0064	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	178.66	
		For 1/2" Thick, Add	*7.60*	
33 14 13 43-0065	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	208.49	
		For 1/2" Thick, Add	*6.52*	
33 14 13 43-0066	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	238.18	
		For 1/2" Thick, Add	*7.45*	
33 14 13 43-0067	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	268.00	
		For 1/2" Thick, Add	*8.38*	
33 14 13 43-0068	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	297.81	
		For 1/2" Thick, Add	*9.31*	
33 14 13 43-0069	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	327.51	
		For 1/2" Thick, Add	*5.46*	
33 14 13 43-0070	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	357.33	
		For 1/2" Thick, Add	*5.96*	
33 14 13 43-0071	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	387.16	
		For 1/2" Thick, Add	*6.45*	
33 14 13 43-0072	LF	84" Outside Diameter, 7/16" Thick Cement Pipe Lining	416.84	
		For 1/2" Thick, Add	*6.95*	
33 14 13 43-0073	LF	90" Outside Diameter, 7/16" Thick Cement Pipe Lining	446.66	
		For 1/2" Thick, Add	*7.45*	
33 14 13 43-0074	LF	96" Outside Diameter, 1/2" Thick Cement Pipe Lining	476.49	
33 14 13 43-0075	LF	102" Outside Diameter, 1/2" Thick Cement Pipe Lining	506.17	
33 14 13 43-0076	LF	108" Outside Diameter, 1/2" Thick Cement Pipe Lining	536.00	
33 14 13 43-0077	LF	114" Outside Diameter, 1/2" Thick Cement Pipe Lining	565.82	
33 14 13 43-0078	LF	120" Outside Diameter, 1/2" Thick Cement Pipe Lining	595.51	
33 14 13 43-0079	LF	126" Outside Diameter, 1/2" Thick Cement Pipe Lining	625.32	
33 14 13 43-0080	LF	132" Outside Diameter, 1/2" Thick Cement Pipe Lining	655.15	
33 14 13 43-0081	LF	138" Outside Diameter, 1/2" Thick Cement Pipe Lining	684.84	
33 14 13 43-0082	LF	144" Outside Diameter, 1/2" Thick Cement Pipe Lining	714.67	

33 14 13 43-0083 Cement Fitting Lining *(33 14 13 43-0051)*

Note: Shop applied.

33 14 13 43-0084	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	18.14	
		For 1/2" Thick, Add	*1.49*	
33 14 13 43-0085	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	23.31	
		For 1/2" Thick, Add	*1.98*	
33 14 13 43-0086	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	32.98	
		For 1/2" Thick, Add	*2.58*	
33 14 13 43-0087	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	54.64	
		For 1/2" Thick, Add	*3.96*	
33 14 13 43-0088	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	83.38	
		For 1/2" Thick, Add	*5.96*	
33 14 13 43-0089	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	124.50	
		For 1/2" Thick, Add	*8.02*	
33 14 13 43-0090	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	185.47	
		For 1/2" Thick, Add	*10.30*	
33 14 13 43-0091	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	251.92	
		For 1/2" Thick, Add	*11.40*	
33 14 13 43-0092	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	339.40	
		For 1/2" Thick, Add	*14.06*	
33 14 13 43-0093	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	494.31	
		For 1/2" Thick, Add	*20.26*	

33 14 13 43-0094 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0095	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.15	
33 14 13 43-0096	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.94	
33 14 13 43-0097	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	2.45	
33 14 13 43-0098	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	3.12	
33 14 13 43-0099	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	4.36	
33 14 13 43-0100	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	5.64	
33 14 13 43-0101	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	7.17	
33 14 13 43-0102	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	8.53	
33 14 13 43-0103	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	10.22	
33 14 13 43-0104	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	11.48	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	313.15	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	421.88	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	437.75	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	368.16	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	455.65	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	385.96	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	477.92	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	430.69	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	503.60	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	450.20	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	514.95	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.78	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.93	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	292.66	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	278.54	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	297.82	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	326.68	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	347.13	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	319.58	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	348.66	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	366.69	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	337.45	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	367.31	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	385.29	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	355.78	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	384.91	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	402.70	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	554.71	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	570.58	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	382.99	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	417.35	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	434.14	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	648.57	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	423.23	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	463.65	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	717.01	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	457.04	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	499.56	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	518.16	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	792.63	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	522.69	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	556.88	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	596.23	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	954.28	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	538.57	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	603.85	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	628.83	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	1,021.54	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	562.42	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	629.97	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	655.49	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	1,062.50	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	615.82	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	703.74	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	691.24	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	761.62	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	721.12	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	807.61	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	365.13	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	396.86	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	413.80	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	445.79	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	456.40	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	479.59	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	448.86	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	476.06	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	550.72	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	592.36	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	787.69	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	881.83	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	909.00	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	1,006.94	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	380.20	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	415.88	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	431.60	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	466.12	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	478.40	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	502.77	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	532.73	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	568.21	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	570.88	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	615.12	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	837.65	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	952.48	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	968.28	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,049.96	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,026.59	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,026.59	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,106.25	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,106.25	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,260.23	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,260.23	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,602.11	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,939.27	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,308.78	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,434.06	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,576.60	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,748.71	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,827.13	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,814.68	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,986.12	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,392.30	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,501.42	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,291.00	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,483.67	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,574.75	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,618.51	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,896.44	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,896.83	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,928.59	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,142.96	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,199.67	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,261.27	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,403.80	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,670.58	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,873.53	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,347.42	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,502.87	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,948.35	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,290.95	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,945.13	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,130.88	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,208.32	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,562.02	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,059.10	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,350.89	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,385.26	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,562.07	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,616.19	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,197.75	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,425.19	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,488.68	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,962.04	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	18,195.37	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,317.24	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,417.63	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,540.18	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,600.07	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,665.09	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,887.19	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,755.17	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,818.69	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,014.87	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,692.32	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,985.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,075.30	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,268.49	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,876.19	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,116.43	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,563.22	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,638.62	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,044.21	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,545.19	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,873.69	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,025.12	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,102.70	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,373.84	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,087.02	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,261.53	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,241.76	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,375.97	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,559.39	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,397.23	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,571.55	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,881.09	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,958.53	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,360.43	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,034.64	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,325.22	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,206.81	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,367.20	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,581.05	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,534.71	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,716.13	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,498.29	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,646.30	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,739.44	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,791.35	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,897.45	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,198.91	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,051.30	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,168.11	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,439.12	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,216.12	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,349.34	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,505.72	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,861.25	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,322.08	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,676.24	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,683.00	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,873.08	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,272.41	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,733.68	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,981.31	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,242.70	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,499.68	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,697.36	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,192.74	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,531.30	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,592.95	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,973.18	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,179.15	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,615.41	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,190.07	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,901.83	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,281.11	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,449.91	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,255.03	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,706.63	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,589.82	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,650.47	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,851.35	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,810.87	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	6,326.63	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	372.45	81.59
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	466.98	102.87
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	617.44	141.88
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	791.41	166.72
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,205.07	188.01
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,347.68	212.84

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	524.31	81.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	623.24	102.87
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	834.50	141.88
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,017.32	166.72
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,234.05	188.01
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,434.83	212.84
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,695.10	234.12
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,996.40	255.40
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,347.11	280.94
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,761.88	309.04
33 14 13 53-0240		Steel Body, Flanged-Lock Restrained Coupling Adapters *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	477.14	102.87
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	642.51	141.88
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	716.39	166.72
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,017.51	188.01
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,282.29	212.84
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,435.87	234.12
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,677.68	255.40
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,879.83	280.94
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,244.48	309.04
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,687.09	339.97
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,425.07	373.87
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,273.76	411.34
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	178.60	56.76
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	218.96	67.40
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	270.12	81.59
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	339.42	102.87
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	455.25	141.88
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	550.19	166.72
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	676.93	188.01
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	788.02	212.84
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,074.42	234.12
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,321.47	255.40

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0002 Angle Valves *(33 14 19 00-0001)*

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0002)*

Note: NIBCO T-335Y

33 14 19 00-0004	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	117.23	25.05
33 14 19 00-0005	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	158.11	33.66
33 14 19 00-0006	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	210.57	41.48
33 14 19 00-0007	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	270.66	52.13
33 14 19 00-0008	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	335.44	60.27
33 14 19 00-0009	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	490.80	70.44
33 14 19 00-0010	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	776.92	96.16
33 14 19 00-0011	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,161.33	111.00

33 14 19 00-0012 Butterfly Valves *(33 14 19 00-0001)*

33 14 19 00-0013 Lug Type Flanged, Cast Iron Disc, Butterfly Valves *(33 14 19 00-0012)*

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,210.01	266.13
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,464.26	266.13
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,516.99	411.88
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,769.07	411.88
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,910.49	501.22
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,162.57	501.22
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,307.66	640.45
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,558.29	640.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,142.93	779.67
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	4,142.93	779.67
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,756.76	945.05
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	5,008.83	945.05
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,350.07	1,296.00
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	7,009.24	1,296.00
33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,376.96	1,425.60
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	8,185.34	1,425.60
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	9,199.72	1,581.13
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,055.91	1,581.13
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,535.92	1,782.01
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	11,390.66	1,782.01
33 14 19 00-0034		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0012)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	17,419.24	2,187.01
33 14 19 00-0036	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,708.76	2,187.01
33 14 19 00-0037	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	17,368.39	2,187.01
33 14 19 00-0038	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	28,526.53	3,481.96
33 14 19 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	55,837.40	4,642.61
33 14 19 00-0040	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	66,398.16	6,963.91
33 14 19 00-0041	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	84,200.03	8,704.88
33 14 19 00-0042	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	117,208.29	10,445.86
33 14 19 00-0043	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	146,729.57	12,535.03
33 14 19 00-0044	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	209,795.14	15,042.03
33 14 19 00-0045	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00	
33 14 19 00-0046	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.00	
33 14 19 00-0047		**Check Valves** *(33 14 19 00-0001)*		
33 14 19 00-0048		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0047)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,864.82	209.04
33 14 19 00-0050	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,909.43	245.08
33 14 19 00-0051	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,593.98	309.95
33 14 19 00-0052	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,678.35	466.37
33 14 19 00-0053	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,809.51	520.85
33 14 19 00-0054	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,624.57	518.98
33 14 19 00-0055	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,764.40	589.94
33 14 19 00-0056	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,959.04	663.15
33 14 19 00-0057	EA	8" Flanged, Swing Type Gravity Operated Check Valve	5,176.09	663.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0058	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,818.42	807.32
33 14 19 00-0059	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,435.25	605.49
33 14 19 00-0060	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,910.01	1,296.00
33 14 19 00-0061	EA	16" Flanged, Swing Type Gravity Operated Check Valve	25,215.53	1,425.60
33 14 19 00-0062	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,684.06	1,581.13
33 14 19 00-0063	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,722.37	1,782.01
33 14 19 00-0064		**Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0047)*		
		Note: Class 125. Watts WCV-2, NIBCO T-413.		
33 14 19 00-0065	EA	1/4" Diameter Threaded, Bronze, Swing Type Check Valve	63.65	25.20
33 14 19 00-0066	EA	3/8" Diameter Threaded, Bronze, Swing Type Check Valve	66.04	25.20
33 14 19 00-0067	EA	1/2" Diameter Threaded, Bronze, Swing Type Check Valve	63.70	25.20
33 14 19 00-0068	EA	3/4" Diameter Threaded, Bronze, Swing Type Check Valve	84.92	34.05
33 14 19 00-0069	EA	1" Diameter Threaded, Bronze, Swing Type Check Valve	99.76	41.17
33 14 19 00-0070	EA	1-1/4" Diameter Threaded, Bronze, Swing Type Check Valve	137.66	52.13
33 14 19 00-0071	EA	1-1/2" Diameter Threaded, Bronze, Swing Type Check Valve	165.90	60.27
33 14 19 00-0072	EA	2" Diameter Threaded, Bronze, Swing Type Check Valve	212.55	70.44
33 14 19 00-0073	EA	2-1/2" Diameter Threaded, Bronze, Swing Type Check Valve	310.87	96.16
33 14 19 00-0074		**Combination Air Release Valves** *(33 14 19 00-0001)*		
33 14 19 00-0075	EA	1" Combination Air Release Valve	643.10	30.28
33 14 19 00-0076	EA	2" Combination Air Release Valve	1,039.61	51.90
33 14 19 00-0077		**Corporation Stop And Curb Valve** *(33 14 19 00-0001)*		
		Note: AWWA C800		
33 14 19 00-0078		**Ball Corporation Valves** *(33 14 19 00-0077)*		
		Note: Mueller B-25000.		
33 14 19 00-0079	EA	3/4" Ball Corporation Valve (Mueller B-25000)	97.55	30.28
33 14 19 00-0080	EA	1" Ball Corporation Valve (Mueller B-25000)	122.06	37.48
33 14 19 00-0081	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	209.79	54.78
33 14 19 00-0082	EA	2" Ball Corporation Valve (Mueller B-25000)	303.75	64.88
33 14 19 00-0083		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0084		**Gate Valve, Flanged** *(33 14 19 00-0083)*		
		Note: Mueller A-2380-6.		
33 14 19 00-0085	EA	2" Gate Valve, Flanged	1,144.50	192.17
33 14 19 00-0086	EA	2-1/2" Gate Valve, Flanged	1,341.82	209.04
33 14 19 00-0087	EA	3" Gate Valve, Flanged	1,588.04	245.08
33 14 19 00-0088	EA	4" Gate Valve, Flanged	2,045.97	307.06
33 14 19 00-0089	EA	6" Gate Valve, Flanged	2,565.12	518.98
33 14 19 00-0090	EA	8" Gate Valve, Flanged	3,814.84	663.15
33 14 19 00-0091	EA	10" Gate Valve, Flanged	5,762.26	807.32
33 14 19 00-0092	EA	12" Gate Valve, Flanged	6,949.67	605.49
33 14 19 00-0093	EA	14" Gate Valve, Flanged	15,325.53	1,296.00
33 14 19 00-0094	EA	16" Gate Valve, Flanged	20,096.63	1,425.60
33 14 19 00-0095	EA	18" Gate Valve, Flanged	31,954.26	1,581.13
33 14 19 00-0096	EA	20" Gate Valve, Flanged	38,231.52	1,782.01
33 14 19 00-0097		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0083)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0098	EA	2" Resilient Wedge Gate Valve, Flanged	1,093.35	192.17
33 14 19 00-0099	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,280.70	209.04
33 14 19 00-0100	EA	3" Resilient Wedge Gate Valve, Flanged	1,515.52	245.08
33 14 19 00-0101	EA	4" Resilient Wedge Gate Valve, Flanged	1,964.90	307.06
33 14 19 00-0102	EA	6" Resilient Wedge Gate Valve, Flanged	2,456.75	518.98
33 14 19 00-0103	EA	8" Resilient Wedge Gate Valve, Flanged	3,645.56	663.15
33 14 19 00-0104	EA	10" Resilient Wedge Gate Valve, Flanged	5,493.24	807.32
33 14 19 00-0105	EA	12" Resilient Wedge Gate Valve, Flanged	6,624.86	605.49
33 14 19 00-0106		**Gate Valve, Mechanical Joint** *(33 14 19 00-0083)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0107	EA	2" Gate Valve, Mechanical Joint	1,338.69	153.54
33 14 19 00-0108	EA	2-1/2" Gate Valve, Mechanical Joint	1,443.81	192.45
33 14 19 00-0109	EA	3" Gate Valve, Mechanical Joint	1,816.35	232.82
33 14 19 00-0110	EA	4" Gate Valve, Mechanical Joint	2,159.15	307.06
33 14 19 00-0111	EA	6" Gate Valve, Mechanical Joint	2,720.75	360.41
33 14 19 00-0112	EA	8" Gate Valve, Mechanical Joint	3,976.32	432.49
33 14 19 00-0113	EA	10" Gate Valve, Mechanical Joint	5,844.34	504.57
33 14 19 00-0114	EA	12" Gate Valve, Mechanical Joint	7,322.46	605.49
33 14 19 00-0115	EA	14" Gate Valve, Mechanical Joint	16,309.87	793.80
33 14 19 00-0116	EA	16" Gate Valve, Mechanical Joint	21,138.22	891.00
33 14 19 00-0117	EA	18" Gate Valve, Mechanical Joint	33,817.66	988.20
33 14 19 00-0118	EA	20" Gate Valve, Mechanical Joint	40,244.54	1,113.75
33 14 19 00-0119		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0083)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0120	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,280.28	153.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0121	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,739.89	232.82
33 14 19 00-0122	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	2,071.69	307.06
33 14 19 00-0123	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,607.56	360.41
33 14 19 00-0124	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,800.23	432.49
33 14 19 00-0125	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,570.67	504.57
33 14 19 00-0126	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,976.47	605.49
33 14 19 00-0127		Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint *(33 14 19 00-0083)*		
		Note: Mueller A-2361.		
33 14 19 00-0128	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,935.38	1,296.00
33 14 19 00-0129	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,888.58	1,425.60
33 14 19 00-0130	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,516.38	1,581.13
33 14 19 00-0131	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	22,096.96	1,782.01
33 14 19 00-0132	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	31,374.40	2,187.01
33 14 19 00-0133		Gate Valve, Threaded, WW-V-51 Class A, Type 1 *(33 14 19 00-0083)*		
		Note: NIBCO T-113.		
33 14 19 00-0134	EA	1/4" Diameter Threaded, Bronze, Gate Valve	72.50	25.20
33 14 19 00-0135	EA	3/8" Diameter Threaded, Bronze, Gate Valve	74.89	25.20
33 14 19 00-0136	EA	1/2" Diameter Threaded, Bronze, Gate Valve	74.86	25.20
33 14 19 00-0137	EA	3/4" Diameter Threaded, Bronze, Gate Valve	97.10	34.05
33 14 19 00-0138	EA	1" Diameter Threaded, Bronze, Gate Valve	119.37	41.17
33 14 19 00-0139	EA	1-1/4" Diameter Threaded, Bronze, Gate Valve	160.50	52.13
33 14 19 00-0140	EA	1-1/2" Diameter Threaded, Bronze, Gate Valve	186.09	60.27
33 14 19 00-0141	EA	2" Diameter Threaded, Bronze, Gate Valve	224.93	70.44
33 14 19 00-0142	EA	2-1/2" Diameter Threaded, Bronze, Gate Valve	414.66	96.16
33 14 19 00-0143	EA	3" Diameter Threaded, Bronze, Gate Valve	495.07	110.29
33 14 19 00-0144		Globe Valve, AWWA *(33 14 19 00-0001)*		
33 14 19 00-0145		Globe Valve, Threaded, WW-V-51 Class B, Type 1 *(33 14 19 00-0144)*		
		Note: NIBCO T-235.		
33 14 19 00-0146	EA	1/8" Diameter Threaded, Globe Valve	99.33	25.20
33 14 19 00-0147	EA	1/4" Diameter Threaded, Globe Valve	94.52	25.20
33 14 19 00-0148	EA	3/8" Diameter Threaded, Globe Valve	96.91	25.20
33 14 19 00-0149	EA	1/2" Diameter Threaded, Globe Valve	99.33	25.20
33 14 19 00-0150	EA	3/4" Diameter Threaded, Globe Valve	134.83	34.05
33 14 19 00-0151	EA	1" Diameter Threaded, Globe Valve	186.14	41.17
33 14 19 00-0152	EA	1-1/4" Diameter Threaded, Globe Valve	268.44	52.13
33 14 19 00-0153	EA	1-1/2" Diameter Threaded, Globe Valve	319.52	60.27
33 14 19 00-0154	EA	2" Diameter Threaded, Globe Valve	439.59	70.44
33 14 19 00-0155	EA	2-1/2" Diameter Threaded, Globe Valve	791.70	96.16
33 14 19 00-0156	EA	3" Diameter Threaded, Globe Valve	1,074.40	110.86
33 14 19 00-0157		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0001)*		
33 14 19 00-0158		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0157)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0159	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,632.00	192.17
33 14 19 00-0160	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,103.16	245.08
33 14 19 00-0161	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,543.55	307.06
33 14 19 00-0162	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,325.48	518.98
33 14 19 00-0163	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,790.01	663.15
33 14 19 00-0164	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,947.32	807.32
33 14 19 00-0165	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,286.57	605.49
33 14 19 00-0166	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,757.85	1,296.00
33 14 19 00-0167	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,731.17	1,425.60
33 14 19 00-0168	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,398.92	1,581.13
33 14 19 00-0169		Accessories For Valves *(33 14 19)*		
33 14 19 00-0170	EA	1' Valve Extension Stem	127.58	
		For Each Additional LF, Add	*9.65*	
33 14 19 00-0171	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly	1,764.33	144.16
		Note: Excludes valve.		
33 14 19 00-0172	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,999.28	158.58
		Note: Excludes valve.		
33 14 19 00-0173		Fire Hydrants *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0174		Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0173)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0175	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,826.93	389.84
33 14 19 00-0176	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,896.60	389.84
33 14 19 00-0177	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,966.46	389.84
33 14 19 00-0178	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,063.82	417.68
33 14 19 00-0179	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,133.56	417.68
33 14 19 00-0180	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,238.18	452.49
33 14 19 00-0181	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,307.82	452.49
33 14 19 00-0182	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,412.45	487.29
33 14 19 00-0183	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,482.19	487.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0184	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,586.63	522.10
33 14 19 00-0185	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,691.16	556.91
33 14 19 00-0186	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,830.38	626.52
33 14 19 00-0187	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,890.51	389.84
33 14 19 00-0188	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,980.93	389.84
33 14 19 00-0189	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,071.13	389.84
33 14 19 00-0190	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,189.17	417.68
33 14 19 00-0191	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,279.37	417.68
33 14 19 00-0192	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,404.71	452.49
33 14 19 00-0193	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,494.80	452.49
33 14 19 00-0194	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,619.89	487.29
33 14 19 00-0195	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,710.06	487.29
33 14 19 00-0196	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,834.91	522.10
33 14 19 00-0197	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,960.15	556.91
33 14 19 00-0198	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	5,119.80	626.52
33 14 19 00-0199		**Two Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0173)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0200	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,444.47	389.84
33 14 19 00-0201	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,513.90	389.84
33 14 19 00-0202	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,583.73	389.84
33 14 19 00-0203	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,681.38	417.68
33 14 19 00-0204	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,750.90	417.68
33 14 19 00-0205	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,855.37	452.49
33 14 19 00-0206	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,925.11	452.49
33 14 19 00-0207	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,029.81	487.29
33 14 19 00-0208	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,099.40	487.29
33 14 19 00-0209	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,204.22	522.10
33 14 19 00-0210	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,308.30	556.91
33 14 19 00-0211	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,447.68	626.52
33 14 19 00-0212	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,542.69	389.84
33 14 19 00-0213	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,632.91	389.84
33 14 19 00-0214	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,723.00	389.84
33 14 19 00-0215	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,841.26	417.68
33 14 19 00-0216	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,931.23	417.68
33 14 19 00-0217	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,056.42	452.49
33 14 19 00-0218	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,146.44	452.49
33 14 19 00-0219	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,271.82	487.29
33 14 19 00-0220	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,361.79	487.29
33 14 19 00-0221	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,486.96	522.10
33 14 19 00-0222	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,611.74	556.91
33 14 19 00-0223	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,771.89	626.52
33 14 19 00-0224		**Three Way, Modern Model Fire Hydrant** *(33 14 19 00-0173)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0225	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,989.54	389.84
33 14 19 00-0226	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	4,079.62	389.84
33 14 19 00-0227	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,169.98	389.84
33 14 19 00-0228	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,288.06	417.68
33 14 19 00-0229	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,378.21	417.68
33 14 19 00-0230	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,503.22	452.49
33 14 19 00-0231	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,593.49	452.49
33 14 19 00-0232	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,718.51	487.29
33 14 19 00-0233	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,808.69	487.29
33 14 19 00-0234	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,933.69	487.29
33 14 19 00-0235	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	5,058.97	556.91
33 14 19 00-0236	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,217.68	556.91
33 14 19 00-0237		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0173)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0238	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,859.95	389.84
33 14 19 00-0239	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,928.50	389.84
33 14 19 00-0240	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,997.82	389.84
33 14 19 00-0241	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	3,093.41	417.68
33 14 19 00-0242	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,161.95	417.68
33 14 19 00-0243	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,265.29	452.49
33 14 19 00-0244	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,333.80	452.49
33 14 19 00-0245	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,437.22	487.29
33 14 19 00-0246	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,505.56	487.29
33 14 19 00-0247	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,608.92	522.10
33 14 19 00-0248	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,712.36	556.91
33 14 19 00-0249	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,849.65	626.52
33 14 19 00-0250		**Fire Hydrant Extension Kits** *(33 14 19 00-0173)*		
33 14 19 00-0251	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	607.72	34.81
33 14 19 00-0252	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	723.77	43.50
33 14 19 00-0253	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	793.16	52.21
33 14 19 00-0254	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	905.52	64.39
33 14 19 00-0255	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,343.61	67.01
33 14 19 00-0256	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,433.51	69.61
33 14 19 00-0257	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,457.23	73.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0258	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,540.01	78.32
33 14 19 00-0259	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,703.82	93.98
33 14 19 00-0260	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,808.99	113.12
33 14 19 00-0261	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	675.70	38.98
33 14 19 00-0262	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	802.26	47.34
33 14 19 00-0263	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	922.41	57.09
33 14 19 00-0264	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,036.53	71.00
33 14 19 00-0265	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,400.84	73.79
33 14 19 00-0266	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,492.01	76.57
33 14 19 00-0267	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,556.27	80.75
33 14 19 00-0268	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,814.25	86.32
33 14 19 00-0269	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,995.20	103.03
33 14 19 00-0270	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,109.03	123.91
33 14 19 00-0271		Removal And Reinstallation Of Standard Fire Hydrant *(33 14 19 00-0173)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0272	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,113.81	
33 14 19 00-0273	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,624.32	
33 14 19 00-0274	EA	Reset Fire Hydrant Upper Barrel	1,645.15	
		Note: Includes Safety Repair Kit		
33 14 19 00-0275		Yard Hydrants *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0276	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	419.15	46.97
33 14 19 00-0277	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	447.99	46.97
33 14 19 00-0278	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	476.82	46.97
33 14 19 00-0279	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	397.37	59.49
33 14 19 00-0280	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	414.57	59.49
33 14 19 00-0281	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	431.76	59.49
33 14 19 00-0282		Sanitary Yard Hydrants *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0283	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,795.67	97.84
33 14 19 00-0284	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,885.78	97.84
33 14 19 00-0285	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,975.89	97.84
33 14 19 00-0286		Flushing Hydrants *(33 14 19)*		
33 14 19 00-0287	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	935.61	60.39
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)*		
		Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0352 for Enclosures.		
33 14 23 00-0001		Roadway Or Curb Valve Boxes *(33 14 23)*		
		See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0002		Round Head, Cast Iron Service, Roadway Or Valve Boxes *(33 14 23 00-0001)*		
33 14 23 00-0003	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	244.68	19.03
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0004	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	282.00	19.03
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0005	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	283.72	19.03
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0006	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	76.33	9.52
33 14 23 00-0007	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	86.21	9.52
33 14 23 00-0008	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	101.08	9.52
33 14 23 00-0009	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box	365.36	23.78
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0010	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	626.97	33.30
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0011	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	696.57	33.30
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0012	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	379.16	23.78
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0013	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	395.79	23.78
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0014	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	383.09	23.78
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0015	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	139.49	9.52
33 14 23 00-0016	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	241.95	39.14
33 14 23 00-0017	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	249.51	40.70
33 14 23 00-0018	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	277.48	42.27
33 14 23 00-0019	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	373.17	44.62
33 14 23 00-0020	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	447.50	46.97
33 14 23 00-0021	EA	18" Cast Iron Service Box Extension Section	103.29	
33 14 23 00-0022		Plastic Roadway Grade Water Meter Box And Cover *(33 14 23 00-0001)*		
33 14 23 00-0023	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	344.08	54.79
33 14 23 00-0024	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	257.88	39.14
33 14 23 00-0025	EA	Cast Iron Lid For Plastic Meter Box	75.24	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001 Bronze Disk Type Water Service Meters *(33 19 13 23)*

33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	350.52	81.41
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	439.52	97.06
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	586.64	111.14
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,131.98	165.94
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,532.27	216.03

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001 Flanged Turbine Water Service Meter *(33 19 16 23)*

33 19 16 23-0002 Vertical Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,355.77	151.37
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,902.45	192.17
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,554.19	245.08
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,305.06	383.47
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,996.55	518.98

33 19 16 23-0008 Horizontal Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,133.16	151.37
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	3,012.27	192.17
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,999.14	245.08
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,893.22	383.47
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	12,139.48	518.98
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	16,228.79	663.15
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,649.77	807.32
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	27,357.45	1,272.96

33 19 19 Compound Water Meters *(33 19)*

33 19 19 00-0001 Flanged Compound Type Water Service Meter *(33 19 19)*

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,676.88	192.17
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,919.47	245.08
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,437.23	383.47
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,995.74	518.98
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,845.48	663.15
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	56,230.92	807.32

33 19 23 Magnetic Water Meters *(33 19)*

33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,049.47	192.17
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,814.75	245.08
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,763.24	383.47

33 19 26 Ultrasonic Water Meters *(33 19)*

33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,674.32	245.08
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,438.82	383.47
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,981.57	518.98
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,449.84	663.15

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

Note: Includes detectable tracer wire.

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.06	5.48
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	15.79	6.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	21.53	7.85
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	26.73	9.15
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	35.99	10.63
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	47.66	12.37
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	63.86	12.80
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	82.77	13.26
33 31 11 00-0011		**Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0001)*		
		Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.98	7.85
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.92	9.15
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	24.48	10.63
33 31 11 00-0015		**Polyvinyl Chloride (PVC) Sewer And Drain Fittings** *(33 31 11 00-0001)*		
33 31 11 00-0016		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0017	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	37.29	19.08
33 31 11 00-0018	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	47.95	24.68
33 31 11 00-0019	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	83.97	33.13
33 31 11 00-0020	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	129.93	38.30
33 31 11 00-0021	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	516.20	49.78
33 31 11 00-0022	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	856.61	66.99
33 31 11 00-0023	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	1,130.88	89.22
33 31 11 00-0024		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0025	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	39.29	19.08
33 31 11 00-0026	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	47.78	24.68
33 31 11 00-0027	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	80.97	33.13
33 31 11 00-0028	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	115.25	38.30
33 31 11 00-0029	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	478.84	49.78
33 31 11 00-0030	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	769.78	66.99
33 31 11 00-0031	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	875.45	89.22
33 31 11 00-0032	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	1,300.99	118.83
33 31 11 00-0033		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweeps** *(33 31 11 00-0015)*		
33 31 11 00-0034	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	61.64	18.79
33 31 11 00-0035	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	61.96	24.68
33 31 11 00-0036	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	119.99	33.13
33 31 11 00-0037	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	195.98	38.30
33 31 11 00-0038	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	388.62	49.78
33 31 11 00-0039	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	688.95	66.99
33 31 11 00-0040	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,127.87	89.22
33 31 11 00-0041	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,709.50	118.83
33 31 11 00-0042		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0043	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	43.56	19.08
33 31 11 00-0044	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	52.12	24.68
33 31 11 00-0045	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	93.44	33.13
33 31 11 00-0046	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	138.40	38.30
33 31 11 00-0047	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	640.47	49.78
33 31 11 00-0048	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,037.53	66.99
33 31 11 00-0049	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,172.07	89.22
33 31 11 00-0050	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,202.13	118.83
33 31 11 00-0051		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducers** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	50.06	21.78
33 31 11 00-0053	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	94.39	25.99
33 31 11 00-0054	EA	3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	89.39	28.66
33 31 11 00-0055	EA	4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	138.78	31.33
33 31 11 00-0056	EA	4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	149.26	35.55
33 31 11 00-0057	EA	6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	455.16	44.00
33 31 11 00-0058	EA	8" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	966.02	58.33
33 31 11 00-0059	EA	10" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	222.35	63.69
33 31 11 00-0060	EA	10" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	301.97	69.47
33 31 11 00-0061	EA	10" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	286.74	78.02
33 31 11 00-0062	EA	12" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,005.25	84.33
33 31 11 00-0063	EA	12" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,061.95	92.88
33 31 11 00-0064	EA	12" x 10" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,124.81	104.03
33 31 11 00-0065		**Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tees** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	58.72	28.83
33 31 11 00-0067	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	78.02	37.29
33 31 11 00-0068	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	132.90	49.20
33 31 11 00-0069	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	204.18	61.11
33 31 11 00-0070	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	755.22	66.99
33 31 11 00-0071	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	980.39	89.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0072		**Polyvinyl Chloride (PVC) Sewer And Drain, Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	74.23	28.83
33 31 11 00-0074	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	87.04	37.29
33 31 11 00-0075	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	144.42	49.20
33 31 11 00-0076	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	223.02	61.11
33 31 11 00-0077	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	684.51	66.99
33 31 11 00-0078	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	846.07	89.22
33 31 11 00-0079	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,113.03	119.06
33 31 11 00-0080	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,756.14	158.88
33 31 11 00-0081		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	98.58	28.83
33 31 11 00-0083	EA	2" x 2" x 1" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	110.72	37.29
33 31 11 00-0084	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	128.41	49.20
33 31 11 00-0085	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	197.17	61.11
33 31 11 00-0086	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	214.85	61.11
33 31 11 00-0087	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	353.47	100.70
33 31 11 00-0088		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0089	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	121.89	37.29
33 31 11 00-0090	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	158.76	49.20
33 31 11 00-0091	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	318.88	66.41
33 31 11 00-0092	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	565.15	80.33
33 31 11 00-0093	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	151.42	49.20
33 31 11 00-0094	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	262.84	66.41
33 31 11 00-0095	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	472.59	80.33
33 31 11 00-0096		**Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0097	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	93.58	28.83
33 31 11 00-0098	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	117.22	37.29
33 31 11 00-0099	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	235.14	49.20
33 31 11 00-0100	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	426.49	61.11
33 31 11 00-0101	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	182.94	37.29
33 31 11 00-0102	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	294.66	49.20
33 31 11 00-0103	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	211.86	49.20
33 31 11 00-0104	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	398.59	61.11
33 31 11 00-0105	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	424.11	61.11
33 31 11 00-0106		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0107	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	136.91	37.29
33 31 11 00-0108	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	160.43	49.20
33 31 11 00-0109	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	249.99	66.41
33 31 11 00-0110	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	913.06	80.33
33 31 11 00-0111	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	3,010.72	88.94
33 31 11 00-0112		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tees With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0113	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	723.48	155.25
33 31 11 00-0114	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	1,725.88	200.29
33 31 11 00-0115	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,198.27	282.26
33 31 11 00-0116	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	3,035.10	454.04
33 31 11 00-0117		**Polyvinyl Chloride (PVC) Sewer And Drain, Couplings** *(33 31 11 00-0015)*		
33 31 11 00-0118	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	36.25	19.08
33 31 11 00-0119	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	45.24	24.53
33 31 11 00-0120	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	71.08	32.85
33 31 11 00-0121	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	93.11	38.30
33 31 11 00-0122	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	271.89	49.78
33 31 11 00-0123	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	669.97	66.99
33 31 11 00-0124	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,016.49	89.22
33 31 11 00-0125	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,681.90	118.83
33 31 11 00-0126		**Polyvinyl Chloride (PVC) Sewer And Drain, Adapters** *(33 31 11 00-0015)*		
33 31 11 00-0127	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Male Threaded Iron Adapter Fitting	173.16	101.20
33 31 11 00-0128	EA	2" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	122.62	76.99
33 31 11 00-0129	EA	2" x 3" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	125.75	76.99
33 31 11 00-0130	EA	3" x 4" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	134.04	76.99
33 31 11 00-0131	EA	4" Cast Iron Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Hub Pipe Adapter Fitting	175.43	101.20
33 31 11 00-0132	EA	4" Clay Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	168.80	101.20
33 31 11 00-0133	EA	4" Fiberglass Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	157.90	101.20
33 31 11 00-0134	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Drain Grate Fitting	86.11	52.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0135		**Polyvinyl Chloride (PVC) Sewer And Drain, Caps** *(33 31 11 00-0015)*		
33 31 11 00-0136	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	49.80	20.52
33 31 11 00-0137	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	81.37	25.54
33 31 11 00-0138	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	152.53	32.99
33 31 11 00-0139		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanouts With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0140	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	32.41	19.08
33 31 11 00-0141	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	42.15	24.68
33 31 11 00-0142	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	62.10	33.13
33 31 11 00-0143	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	81.06	38.30
33 31 11 00-0144	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	137.25	49.78
33 31 11 00-0145	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	503.04	66.99
33 31 11 00-0146		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0147	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	21.74	9.15
33 31 11 00-0148	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	27.85	10.63
33 31 11 00-0149	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	35.91	12.37
33 31 11 00-0150	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	42.36	12.80
33 31 11 00-0151	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	50.10	13.26
33 31 11 00-0152	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	62.83	13.72
33 31 11 00-0153	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	77.38	14.22
33 31 11 00-0154	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	98.34	15.45
33 31 11 00-0155	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	117.81	16.67
33 31 11 00-0156	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	145.66	19.55
33 31 11 00-0157		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0158	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	21.34	9.15
33 31 11 00-0159	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	27.38	10.63
33 31 11 00-0160	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	35.39	12.37
33 31 11 00-0161		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0162		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0163	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	102.92	35.55
33 31 11 00-0164	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	149.24	41.32
33 31 11 00-0165	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	300.78	46.84
33 31 11 00-0166	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	839.39	55.10
33 31 11 00-0167	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	1,084.38	70.25
33 31 11 00-0168		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0169	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	93.94	35.55
33 31 11 00-0170	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	139.34	41.32
33 31 11 00-0171	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	275.74	46.84
33 31 11 00-0172	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	603.68	55.10
33 31 11 00-0173	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	860.26	70.25
33 31 11 00-0174	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	1,829.42	99.18
33 31 11 00-0175	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	2,897.69	140.51
33 31 11 00-0176	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	4,820.84	185.97
33 31 11 00-0177	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	6,571.67	247.96
33 31 11 00-0178		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tees** *(33 31 11 00-0161)*		
33 31 11 00-0179	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	155.66	53.31
33 31 11 00-0180	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	243.10	59.10
33 31 11 00-0181	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	271.93	61.99
33 31 11 00-0182	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	299.20	64.88
33 31 11 00-0183	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	340.81	67.78
33 31 11 00-0184	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	636.22	70.67
33 31 11 00-0185	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	809.79	72.32
33 31 11 00-0186	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	916.06	75.77
33 31 11 00-0187	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,343.39	78.66
33 31 11 00-0188	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,745.44	82.66
33 31 11 00-0189	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	996.12	88.02
33 31 11 00-0190	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,056.78	90.92
33 31 11 00-0191	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,497.90	93.81
33 31 11 00-0192	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,150.11	97.81
33 31 11 00-0193	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,421.71	105.38
33 31 11 00-0194		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Wyes** *(33 31 11 00-0161)*		
33 31 11 00-0195	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	148.69	53.31
33 31 11 00-0196	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	219.88	59.10
33 31 11 00-0197	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	240.74	61.99
33 31 11 00-0198	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	289.24	64.88
33 31 11 00-0199	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	328.93	67.78
33 31 11 00-0200	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	494.32	70.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0201	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	742.56	72.87
33 31 11 00-0202	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	757.87	75.77
33 31 11 00-0203	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,130.41	78.66
33 31 11 00-0204	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,249.65	82.66
33 31 11 00-0205	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	939.91	88.02
33 31 11 00-0206	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	969.45	90.92
33 31 11 00-0207	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,378.21	93.81
33 31 11 00-0208	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,656.45	97.81
33 31 11 00-0209	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,730.46	105.38
33 31 11 00-0210	EA	15" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,131.73	126.74
33 31 11 00-0211	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,363.28	134.31
33 31 11 00-0212	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,949.40	148.78
33 31 11 00-0213		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Couplings** *(33 31 11 00-0161)*		
33 31 11 00-0214	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	102.13	35.55
33 31 11 00-0215	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	154.53	41.32
33 31 11 00-0216	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	224.01	47.11
33 31 11 00-0217	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	414.73	55.10
33 31 11 00-0218	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	586.21	70.25
33 31 11 00-0219	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,135.89	99.18
33 31 11 00-0220	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	2,123.56	140.51
33 31 11 00-0221	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	3,529.91	185.97
33 31 11 00-0222	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	5,104.03	247.96
33 31 11 00-0223		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Increasers** *(33 31 11 00-0161)*		
33 31 11 00-0224	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	187.17	38.43
33 31 11 00-0225	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	264.34	41.32
33 31 11 00-0226	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	278.94	44.22
33 31 11 00-0227	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	613.92	48.21
33 31 11 00-0228	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	704.37	51.11
33 31 11 00-0229	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	786.67	55.79
33 31 11 00-0230	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	901.39	58.69
33 31 11 00-0231	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,032.23	62.68
33 31 11 00-0232	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,551.42	84.72
33 31 11 00-0233		**SDR 35 Polyvinyl Chloride (PVC), Saddle Wyes With Stainless Steel Clamps** *(33 31 11 00-0161)*		
33 31 11 00-0234	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	157.55	
33 31 11 00-0235	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	206.71	
33 31 11 00-0236	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	211.01	
33 31 11 00-0237	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	342.42	
33 31 11 00-0238	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	360.42	
33 31 11 00-0239	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	670.16	
33 31 11 00-0240	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	391.26	
33 31 11 00-0241	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	425.01	
33 31 11 00-0242	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	925.07	
33 31 11 00-0243	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	1,087.58	
33 31 11 00-0244	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	454.22	
33 31 11 00-0245	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	483.67	
33 31 11 00-0246		**SDR 35 Polyvinyl Chloride (PVC), Saddle Tees With Stainless Steel Clamps** *(33 31 11 00-0161)*		
33 31 11 00-0247	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	167.63	
33 31 11 00-0248	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	206.71	
33 31 11 00-0249	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	224.73	
33 31 11 00-0250	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	315.71	
33 31 11 00-0251	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	358.27	
33 31 11 00-0252	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	535.72	
33 31 11 00-0253	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	389.12	
33 31 11 00-0254	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	422.97	
33 31 11 00-0255	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	624.06	
33 31 11 00-0256	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	755.30	
33 31 11 00-0257	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	452.89	
33 31 11 00-0258	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	473.69	
33 31 11 00-0259	EA	15" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	771.02	
33 31 11 00-0260	EA	15" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	850.21	
33 31 11 00-0261	EA	15" x 12" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	1,190.60	
33 31 11 00-0262		**Couplings And Plug Fittings** *(33 31 11)*		
33 31 11 00-0263		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 31 11 00-0262)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0264	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	26.00	9.53
33 31 11 00-0265	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	28.48	11.13
33 31 11 00-0266	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	32.79	12.71
33 31 11 00-0267	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	37.03	13.51
33 31 11 00-0268	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	44.84	14.30
33 31 11 00-0269	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	52.70	15.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0270	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	66.23	17.48
33 31 11 00-0271	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	81.06	18.27
33 31 11 00-0272	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	131.21	19.07
33 31 11 00-0273	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	177.20	20.66
33 31 11 00-0274	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	337.32	21.46
33 31 11 00-0275	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	391.34	22.64
33 31 11 00-0276	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	433.24	23.84
33 31 11 00-0277	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	518.42	25.43

33 31 11 00-0278 Cast Iron Service Saddles With U Bolt *(33 31 11)*

33 31 11 00-0279	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	154.68	
33 31 11 00-0280	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	155.39	
33 31 11 00-0281	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	171.25	
33 31 11 00-0282	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	165.29	
33 31 11 00-0283	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	185.97	
33 31 11 00-0284	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	208.43	
33 31 11 00-0285	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	246.59	
33 31 11 00-0286	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	207.64	
33 31 11 00-0287	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	226.91	
33 31 11 00-0288	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	262.15	
33 31 11 00-0289	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	169.26	
33 31 11 00-0290	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	185.12	
33 31 11 00-0291	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	217.71	
33 31 11 00-0292	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	257.99	
33 31 11 00-0293	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	276.35	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,400.68	457.85
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,369.98	457.85
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,102.25	152.56
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,672.74	152.56

33 32 16 00-0006 Submersible Grinder Pumps *(33 32 16)*

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0007	EA	3 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	6,919.33	1,107.89
33 32 16 00-0008	EA	5 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	8,387.27	1,424.43
33 32 16 00-0009	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	4,309.21	949.62
33 32 16 00-0010	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	6,277.55	1,107.89
33 32 16 00-0011	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,722.99	1,424.43

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,540.39	949.62
		For Non-Traffic Rated, Deduct	*-843.55*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,438.76	1,048.22
		For Non-Traffic Rated, Deduct	*-1,037.95*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	6,303.26	1,146.67
		For Non-Traffic Rated, Deduct	*-1,223.86*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	8,046.98	1,246.38
		For Non-Traffic Rated, Deduct	*-1,630.29*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,633.14	1,721.19
		For Non-Traffic Rated, Deduct	*-1,881.81*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	25,197.73	2,374.06
		For Non-Traffic Rated, Deduct	*-5,571.39*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	45,673.08	3,561.09
		For Non-Traffic Rated, Deduct	*-10,329.31*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	51,394.97	4,985.52
		For Non-Traffic Rated, Deduct	*-11,331.98*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	62,995.63	5,964.90
		For Non-Traffic Rated, Deduct	*-13,928.80*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	74,520.06	7,389.33
		For Non-Traffic Rated, Deduct	*-16,354.87*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,996.80	712.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,906.31	949.62
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,751.65	860.67
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	11,185.57	931.74
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	14,067.80	1,291.48
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	22,254.08	1,780.55
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	33,036.36	2,670.81
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	45,361.75	3,739.15
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	55,647.98	4,469.08

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,464.23	288.32
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	2,217.04	324.36
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,065.52	396.45
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,155.91	432.49
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,646.92	468.52
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,357.84	504.57
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,074.59	360.41
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,365.37	432.49
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,945.39	468.52
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,619.67	504.57

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	1,151.03	139.28
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,611.67	197.84
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	2,146.91	237.41
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	3,498.93	395.67
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	5,096.64	553.95

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0002	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,340.62	124.58
33 34 53 13-0003	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,646.63	169.88

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 High-Density Polyethylene (HDPE) Leaching Field Chambers *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	25.51	7.79
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	32.50	8.44
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	43.38	9.21
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	62.20	10.13

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,207.25	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,255.59	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,090.17	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0137 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.28	7.08
		For <100, Add	*1.48*	
		For >1,000, Deduct	*-0.77*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.26	7.58
		For <100, Add	*1.65*	
		For >1,000, Deduct	*-0.89*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	12.70	7.96
		For <100, Add	*1.83*	
		For >1,000, Deduct	*-1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.97	8.21
		For <100, Add	*2.08*	
		For >1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.26*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.90	8.97
		For <100, Add	*2.34*	
		For >1,000, Deduct	*-1.44*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.02	10.11
		For <100, Add	*2.82*	
		For >1,000, Deduct	*-1.81*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	40.42	15.50
		For <100, Add	*4.35*	
		For >1,000, Deduct	*-2.80*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	55.91	17.01
		For <100, Add	*5.35*	
		For >1,000, Deduct	*-3.65*	

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.11	7.08
		For <100, Add	*1.47*	
		For >1,000, Deduct	*-0.76*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.19	7.58
		For <100, Add	*1.65*	
		For >1,000, Deduct	*-0.89*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	15.96	7.96
		For <100, Add	*1.99*	
		For >1,000, Deduct	*-1.20*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	18.69	8.21
		For <100, Add	*2.17*	
		For >1,000, Deduct	*-1.35*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.78	8.97
		For <100, Add	*2.43*	
		For >1,000, Deduct	*-1.54*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	25.82	10.11
		For <100, Add	*2.81*	
		For >1,000, Deduct	*-1.80*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	39.18	15.50
		For <100, Add	*4.28*	
		For >1,000, Deduct	*-2.73*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	53.95	17.01
		For <100, Add	*5.25*	
		For >1,000, Deduct	*-3.55*	

33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	54.39	33.07
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	64.01	38.59
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	89.98	46.87
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	113.51	57.89
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	153.50	68.92
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	280.77	90.05
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	347.75	121.28
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	577.11	137.83

33 41 16 13-0031 Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	55.10	33.07
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	66.35	38.59
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	114.38	46.87

33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	36.49	22.05

33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	37.24	22.05
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	45.70	25.74
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	61.73	31.24
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	79.07	38.59

33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16 13)*

Note: Includes fittings, couplings, elbows, etc.

33 41 16 13-0043	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.87	5.91
		For <100, Add	*1.33*	
		For >1,000, Deduct	*-0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0044	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.19	7.09
		For <100, Add	*1.67*	
		For >1,000, Deduct	*-0.96*	
33 41 16 13-0045	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	18.38	8.86
		For <100, Add	*2.25*	
		For >1,000, Deduct	*-1.36*	
33 41 16 13-0046	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	28.27	9.22
		For <100, Add	*2.80*	
		For >1,000, Deduct	*-1.87*	
33 41 16 13-0047	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	35.57	10.07
		For <100, Add	*3.29*	
		For >1,000, Deduct	*-2.28*	
33 41 16 13-0048	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	48.32	11.34
		For <100, Add	*4.12*	
		For >1,000, Deduct	*-2.98*	

33 41 16 13-0049 Perforated Non-Reinforced Concrete Drainage Piping, C444 *(33 41 16 13)*

33 41 16 13-0050	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	42.66	17.27
		For Extra Strength, Add	*2.11*	
		For >1,000, Deduct	*-2.13*	
33 41 16 13-0051	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	49.58	19.19
		For Extra Strength, Add	*2.60*	
		For >1,000, Deduct	*-2.48*	
33 41 16 13-0052	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	55.96	21.11
		For Extra Strength, Add	*3.03*	
		For >1,000, Deduct	*-2.80*	
33 41 16 13-0053	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	65.23	23.03
		For Extra Strength, Add	*3.80*	
		For >1,000, Deduct	*-3.26*	

33 41 16 13-0054 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 41 16 13-0055	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	36.11	17.27
		For >1,000, Deduct	*-1.81*	
33 41 16 13-0056	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	39.97	19.19
		For >1,000, Deduct	*-2.00*	
33 41 16 13-0057	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	44.09	21.11
		For >1,000, Deduct	*-2.20*	
33 41 16 13-0058	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	50.05	21.93
		For >1,000, Deduct	*-2.50*	
33 41 16 13-0059	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	57.86	24.68
		For >1,000, Deduct	*-2.89*	
33 41 16 13-0060	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	71.67	31.53
		For >1,000, Deduct	*-3.58*	
33 41 16 13-0061	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	89.61	40.44
		For >1,000, Deduct	*-4.48*	
33 41 16 13-0062	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	109.21	49.34
		For >1,000, Deduct	*-5.46*	

33 41 16 13-0063 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0064	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	33.95	17.27
		For >1,000, Deduct	*-1.70*	
33 41 16 13-0065	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	42.37	19.19
		For >1,000, Deduct	*-2.12*	
33 41 16 13-0066	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	52.75	21.11
		For >1,000, Deduct	*-2.64*	
33 41 16 13-0067	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	63.32	23.03
		For >1,000, Deduct	*-3.17*	
33 41 16 13-0068	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	72.31	25.62
		For >1,000, Deduct	*-3.62*	
33 41 16 13-0069	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	93.37	31.96
		For >1,000, Deduct	*-4.67*	

33 41 16 13-0070 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0071	LF	4" Perforated Vitrified Clay Drainage Pipe	34.10	19.19
33 41 16 13-0072	LF	6" Perforated Vitrified Clay Drainage Pipe	40.33	21.59
33 41 16 13-0073	LF	8" Perforated Vitrified Clay Drainage Pipe	45.07	21.59
33 41 16 13-0074	LF	10" Perforated Vitrified Clay Drainage Pipe	59.64	26.39
33 41 16 13-0075	LF	12" Perforated Vitrified Clay Drainage Pipe	70.09	28.78

33 41 16 13-0076 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0077	LF	3" Geotextile Filter Fabric Sock	1.03
33 41 16 13-0078	LF	4" Geotextile Filter Fabric Sock	1.36
33 41 16 13-0079	LF	6" Geotextile Filter Fabric Sock	2.06
33 41 16 13-0080	LF	8" Geotextile Filter Fabric Sock	2.78
33 41 16 13-0081	LF	10" Geotextile Filter Fabric Sock	4.05
33 41 16 13-0082	LF	12" Geotextile Filter Fabric Sock	5.48
33 41 16 13-0083	LF	15" Geotextile Filter Fabric Sock	6.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0084		Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0085	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	29.73	8.23
		For Full Perforated, Add	*1.33*	
33 41 16 13-0086	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	37.44	9.97
		For Full Perforated, Add	*1.75*	
33 41 16 13-0087	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	47.24	12.66
		For Full Perforated, Add	*2.19*	
33 41 16 13-0088	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.85	14.95
		For Full Perforated, Add	*2.29*	
33 41 16 13-0089	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	59.79	15.48
		For Full Perforated, Add	*2.88*	
33 41 16 13-0090	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	66.91	16.05
		For Full Perforated, Add	*3.48*	
33 41 16 13-0091	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	76.08	17.31
		For Full Perforated, Add	*4.15*	
33 41 16 13-0092		Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0093	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	31.86	8.23
		For Full Perforated, Add	*1.54*	
33 41 16 13-0094	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	40.33	9.97
		For Full Perforated, Add	*2.04*	
33 41 16 13-0095	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	50.77	12.66
		For Full Perforated, Add	*2.55*	
33 41 16 13-0096	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	56.29	14.95
		For Full Perforated, Add	*2.64*	
33 41 16 13-0097	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	64.04	15.48
		For Full Perforated, Add	*3.31*	
33 41 16 13-0098	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	71.95	16.05
		For Full Perforated, Add	*3.99*	
33 41 16 13-0099	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	81.95	17.31
		For Full Perforated, Add	*4.73*	
33 41 16 13-0100		Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0101	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	32.55	8.23
		For Full Perforated, Add	*1.61*	
33 41 16 13-0102	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	41.22	9.97
		For Full Perforated, Add	*2.13*	
33 41 16 13-0103	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	51.90	12.66
		For Full Perforated, Add	*2.66*	
33 41 16 13-0104	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	64.77	14.95
		For Full Perforated, Add	*3.49*	
33 41 16 13-0105	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	74.59	15.48
		For Full Perforated, Add	*4.36*	
33 41 16 13-0106	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	84.74	16.05
		For Full Perforated, Add	*5.27*	
33 41 16 13-0107	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	96.86	17.31
		For Full Perforated, Add	*6.22*	
33 41 16 13-0108		Prefabricated Composite Drains *(33 41 16 13)*		
33 41 16 13-0109		Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0108)*		
		Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0110	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	13.00	3.04
		For External Typar Geotextile Wrap, Add	*2.17*	
33 41 16 13-0111	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	58.40	
33 41 16 13-0112	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	58.40	
33 41 16 13-0113	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	108.72	
33 41 16 13-0114	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	108.72	
33 41 16 13-0115	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	20.37	3.80
		For External Typar Geotextile Wrap, Add	*3.26*	
33 41 16 13-0116	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	84.23	
33 41 16 13-0117	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	84.23	
33 41 16 13-0118	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	141.37	
33 41 16 13-0119	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	141.37	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001		Reinforced Concrete Piping *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0002		Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*		
33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	63.09	23.03
		For >1,000, Deduct	*-3.15*	
		For Class 4, Add	*2.87*	
		For Class 5, Add	*6.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.26	25.62
		For >1,000, Deduct	*-3.76*	
		For Class 4, Add	*3.67*	
		For Class 5, Add	*7.73*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	86.32	31.96
		For >1,000, Deduct	*-4.32*	
		For Class 4, Add	*3.86*	
		For Class 5, Add	*8.13*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	110.42	40.30
		For >1,000, Deduct	*-5.52*	
		For Class 4, Add	*5.02*	
		For Class 5, Add	*10.57*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	129.71	48.94
		For >1,000, Deduct	*-6.49*	
		For Class 4, Add	*5.68*	
		For Class 5, Add	*11.96*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	161.65	60.33
		For >1,000, Deduct	*-8.08*	
		For Class 4, Add	*7.17*	
		For Class 5, Add	*15.10*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	171.67	62.29
		For >1,000, Deduct	*-8.58*	
		For Class 4, Add	*7.76*	
		For Class 5, Add	*16.33*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	210.81	70.78
		For >1,000, Deduct	*-10.54*	
		For Class 4, Add	*10.52*	
		For Class 5, Add	*22.14*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	270.33	77.86
		For >1,000, Deduct	*-13.52*	
		For Class 4, Add	*15.22*	
		For Class 5, Add	*32.04*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	322.58	86.70
		For >1,000, Deduct	*-16.13*	
		For Class 4, Add	*18.88*	
		For Class 5, Add	*39.74*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	399.58	99.10
		For >1,000, Deduct	*-19.98*	
		For Class 4, Add	*24.51*	
		For Class 5, Add	*51.60*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	481.53	114.95
		For >1,000, Deduct	*-24.08*	
		For Class 4, Add	*30.15*	
		For Class 5, Add	*63.46*	

33 42 11 00-0015 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0016	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	99.60	35.20
		For >1,000, Deduct	*-4.98*	
		For Horizontal Elliptical - II (HE- II), Add	*4.93*	
		For Horizontal Elliptical - III (HE- III), Add	*10.85*	
		For Horizontal Elliptical - IV (HE- IV), Add	*23.68*	
33 42 11 00-0017	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	148.70	42.49
		For >1,000, Deduct	*-7.44*	
		For Horizontal Elliptical - II (HE- II), Add	*8.80*	
		For Horizontal Elliptical - III (HE- III), Add	*19.36*	
		For Horizontal Elliptical - IV (HE- IV), Add	*42.24*	
33 42 11 00-0018	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	208.09	65.08
		For >1,000, Deduct	*-10.40*	
		For Horizontal Elliptical - II (HE- II), Add	*11.51*	
		For Horizontal Elliptical - III (HE- III), Add	*25.33*	
		For Horizontal Elliptical - IV (HE- IV), Add	*55.26*	
33 42 11 00-0019	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	243.30	80.22
		For >1,000, Deduct	*-12.17*	
		For Horizontal Elliptical - II (HE- II), Add	*12.87*	
		For Horizontal Elliptical - III (HE- III), Add	*28.31*	
		For Horizontal Elliptical - IV (HE- IV), Add	*61.77*	
33 42 11 00-0020	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	257.98	83.82
		For >1,000, Deduct	*-12.90*	
		For Horizontal Elliptical - II (HE- II), Add	*13.82*	
		For Horizontal Elliptical - III (HE- III), Add	*30.41*	
		For Horizontal Elliptical - IV (HE- IV), Add	*66.35*	
33 42 11 00-0021	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	294.52	88.50
		For >1,000, Deduct	*-14.73*	
		For Horizontal Elliptical - II (HE- II), Add	*16.81*	
		For Horizontal Elliptical - III (HE- III), Add	*36.98*	
		For Horizontal Elliptical - IV (HE- IV), Add	*80.68*	
33 42 11 00-0022	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	331.06	93.17
		For >1,000, Deduct	*-16.55*	
		For Horizontal Elliptical - II (HE- II), Add	*19.80*	
		For Horizontal Elliptical - III (HE- III), Add	*43.55*	
		For Horizontal Elliptical - IV (HE- IV), Add	*95.02*	
33 42 11 00-0023	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	401.13	102.53
		For >1,000, Deduct	*-20.06*	
		For Horizontal Elliptical - II (HE- II), Add	*25.47*	
		For Horizontal Elliptical - III (HE- III), Add	*56.02*	
		For Horizontal Elliptical - IV (HE- IV), Add	*122.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0024	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	481.57	115.32
		For >1,000, Deduct	*-24.08*	
		For Horizontal Elliptical - II (HE- II), Add	*31.68*	
		For Horizontal Elliptical - III (HE- III), Add	*69.70*	
		For Horizontal Elliptical - IV (HE- IV), Add	*152.07*	
33 42 11 00-0025	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	548.30	131.79
		For >1,000, Deduct	*-27.42*	
		For Horizontal Elliptical - II (HE- II), Add	*36.00*	
		For Horizontal Elliptical - III (HE- III), Add	*79.20*	
		For Horizontal Elliptical - IV (HE- IV), Add	*172.81*	
33 42 11 00-0026	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	676.84	152.89
		For >1,000, Deduct	*-33.84*	
		For Horizontal Elliptical - II (HE- II), Add	*45.84*	
		For Horizontal Elliptical - III (HE- III), Add	*100.86*	
		For Horizontal Elliptical - IV (HE- IV), Add	*220.05*	
33 42 11 00-0027	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	771.24	168.47
33 42 11 00-0028	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	931.09	184.03
33 42 11 00-0029	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,109.54	208.10
33 42 11 00-0030	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,202.38	230.75
33 42 11 00-0031	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,528.65	242.08
33 42 11 00-0032	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,765.92	253.40
33 42 11 00-0033		Concrete Reducing Wye Without Gaskets *(33 42 11 00-0001)*		
33 42 11 00-0034	EA	12" Concrete Reducing Wye Without Gaskets	723.16	87.72
33 42 11 00-0035	EA	15" Concrete Reducing Wye Without Gaskets	867.68	106.92
33 42 11 00-0036	EA	18" Concrete Reducing Wye Without Gaskets	1,068.74	117.88
33 42 11 00-0037	EA	21" Concrete Reducing Wye Without Gaskets	1,229.12	145.29
33 42 11 00-0038	EA	24" Concrete Reducing Wye Without Gaskets	1,391.67	175.45
33 42 11 00-0039		Concrete Pipe Joint Gaskets *(33 42 11 00-0001)*		
33 42 11 00-0040	EA	12" Diameter Concrete Pipe Joint Gasket	6.70	
33 42 11 00-0041	EA	15" Diameter Concrete Pipe Joint Gasket	7.92	
33 42 11 00-0042	EA	18" Diameter Concrete Pipe Joint Gasket	9.18	
33 42 11 00-0043	EA	21" Diameter Concrete Pipe Joint Gasket	11.09	
33 42 11 00-0044	EA	24" Diameter Concrete Pipe Joint Gasket	12.99	
33 42 11 00-0045	EA	27" Diameter Concrete Pipe Joint Gasket	14.48	
33 42 11 00-0046	EA	30" Diameter Concrete Pipe Joint Gasket	15.91	
33 42 11 00-0047	EA	36" Diameter Concrete Pipe Joint Gasket	19.44	
33 42 11 00-0048	EA	42" Diameter Concrete Pipe Joint Gasket	22.53	
33 42 11 00-0049	EA	48" Diameter Concrete Pipe Joint Gasket	25.99	
33 42 11 00-0050	EA	54" Diameter Concrete Pipe Joint Gasket	31.86	
33 42 11 00-0051	EA	60" Diameter Concrete Pipe Joint Gasket	47.16	
33 42 11 00-0052		Prestressed Concrete Cylinder Piping *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0053		150 PSI Prestressed Concrete Cylinder Pipe And Fittings *(33 42 11 00-0052)*		
33 42 11 00-0054		150 PSI Prestressed Concrete Cylinder Pipe With Gaskets *(33 42 11 00-0053)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0055	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	162.98	23.03
		For >1,000, Deduct	*-8.15*	
		For 100 PSI, Deduct	*-32.52*	
33 42 11 00-0056	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	174.21	25.62
		For >1,000, Deduct	*-8.71*	
		For 100 PSI, Deduct	*-34.40*	
33 42 11 00-0057	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	190.79	31.96
		For >1,000, Deduct	*-9.54*	
		For 100 PSI, Deduct	*-36.29*	
33 42 11 00-0058	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	210.24	40.30
		For >1,000, Deduct	*-10.51*	
		For 100 PSI, Deduct	*-38.17*	
33 42 11 00-0059	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	230.11	48.94
		For >1,000, Deduct	*-11.51*	
		For 100 PSI, Deduct	*-40.05*	
33 42 11 00-0060	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	269.40	62.29
		For >1,000, Deduct	*-13.47*	
		For 100 PSI, Deduct	*-44.84*	
33 42 11 00-0061	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	298.63	70.78
		For >1,000, Deduct	*-14.93*	
		For 100 PSI, Deduct	*-49.64*	
33 42 11 00-0062	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	345.64	77.86
		For >1,000, Deduct	*-17.28*	
		For 100 PSI, Deduct	*-58.88*	
33 42 11 00-0063	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	396.35	86.70
		For >1,000, Deduct	*-19.82*	
		For 100 PSI, Deduct	*-68.12*	
33 42 11 00-0064	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	518.84	108.23
		For >1,000, Deduct	*-25.94*	
		For 100 PSI, Deduct	*-91.06*	
33 42 11 00-0065	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	624.36	125.55
		For >1,000, Deduct	*-31.22*	
		For 100 PSI, Deduct	*-111.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0066		150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0053)*		
33 42 11 00-0067	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	606.36	215.89
33 42 11 00-0068	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	842.75	308.41
33 42 11 00-0069	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,089.43	411.21
33 42 11 00-0070	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,336.11	514.01
33 42 11 00-0071	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,628.01	638.76
33 42 11 00-0072	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,077.48	856.69
33 42 11 00-0073	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,529.20	990.94
33 42 11 00-0074	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,946.42	1,156.58
33 42 11 00-0075	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,323.73	1,320.79
33 42 11 00-0076	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,096.88	1,649.22
33 42 11 00-0077	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,244.91	2,164.66
33 42 11 00-0078		150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0053)*		
33 42 11 00-0079	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	571.44	215.89
33 42 11 00-0080	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	797.57	308.41
33 42 11 00-0081	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,036.03	411.21
33 42 11 00-0082	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,274.49	514.01
33 42 11 00-0083	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,558.17	638.76
33 42 11 00-0084	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,981.64	799.13
33 42 11 00-0085	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,419.66	990.94
33 42 11 00-0086	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,819.77	1,156.58
33 42 11 00-0087	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,187.49	1,320.79
33 42 11 00-0088	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,894.72	1,649.22
33 42 11 00-0089	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,060.50	2,164.66
33 42 11 00-0090		400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0052)*		
33 42 11 00-0091		400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0090)*		
		Note: AWWA C301		
33 42 11 00-0092	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	314.42	62.29
		For >1,000, Deduct	*-15.72*	
33 42 11 00-0093	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	381.77	70.78
		For >1,000, Deduct	*-19.09*	
33 42 11 00-0094	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	444.34	77.86
		For >1,000, Deduct	*-22.22*	
33 42 11 00-0095		400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0090)*		
		Note: AWWA C301		
33 42 11 00-0096	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	594.61	86.64
		For >1,000, Deduct	*-29.73*	
33 42 11 00-0097	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	709.13	108.23
		For >1,000, Deduct	*-35.46*	
33 42 11 00-0098	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	817.65	125.55
		For >1,000, Deduct	*-40.88*	
33 42 11 00-0099		Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0090)*		
		Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0100	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,005.34	
33 42 11 00-0101	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,153.88	
33 42 11 00-0102	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,228.15	
33 42 11 00-0103	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	2,525.24	
33 42 11 00-0104	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	2,599.51	
33 42 11 00-0105	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	2,748.05	
33 42 11 00-0106		Quick Test Joints *(33 42 11 00-0090)*		
33 42 11 00-0107	EA	30" Quick Test Joint	660.38	
33 42 11 00-0108	EA	36" Quick Test Joint	667.46	
33 42 11 00-0109	EA	42" Quick Test Joint	674.53	
33 42 11 00-0110	EA	48" Quick Test Joint	689.16	
33 42 11 00-0111	EA	54" Quick Test Joint	719.32	
33 42 11 00-0112	EA	60" Quick Test Joint	747.33	
33 42 11 00-0113		Harnessed Joints *(33 42 11 00-0090)*		
33 42 11 00-0114		Harness Clamp Restrained Joints *(33 42 11 00-0113)*		
33 42 11 00-0115	EA	30" Harness Clamp Restrained Joint	12,648.03	
33 42 11 00-0116	EA	36" Harness Clamp Restrained Joint	13,137.21	
33 42 11 00-0117	EA	42" Harness Clamp Restrained Joint	13,626.39	
33 42 11 00-0118	EA	48" Harness Clamp Restrained Joint	14,115.59	
33 42 11 00-0119	EA	54" Harness Clamp Restrained Joint	14,617.82	
33 42 11 00-0120	EA	60" Harness Clamp Restrained Joint	15,356.44	
33 42 11 00-0121		Snap Ring Restrained Joints *(33 42 11 00-0113)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0122	EA	30" Snap Ring Restrained Joint	2,041.68	
33 42 11 00-0123	EA	36" Snap Ring Restrained Joint	2,338.02	
33 42 11 00-0124	EA	42" Snap Ring Restrained Joint	3,164.67	
33 42 11 00-0125	EA	48" Snap Ring Restrained Joint	3,605.66	
33 42 11 00-0126	EA	54" Snap Ring Restrained Joint	4,059.69	
33 42 11 00-0127	EA	60" Snap Ring Restrained Joint	4,605.46	

33 42 11 00-0128 Pipe Repairs *(33 42 11 00-0090)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0129 Lined Cylinder Pipe Repair *(33 42 11 00-0128)*

33 42 11 00-0130	EA	30" Lined Cylinder Pipe Repair	7,324.44	
33 42 11 00-0131	EA	36" Lined Cylinder Pipe Repair	9,058.12	
33 42 11 00-0132	EA	42" Lined Cylinder Pipe Repair	12,211.48	

33 42 11 00-0133 Embedded Cylinder Pipe Repair *(33 42 11 00-0128)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0134	EA	48" Embedded Cylinder Pipe Repair	17,972.08	
33 42 11 00-0135	EA	54" Embedded Cylinder Pipe Repair	20,840.96	
33 42 11 00-0136	EA	60" Embedded Cylinder Pipe Repair	23,733.62	

33 42 11 00-0137 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0138 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0139 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0138)*

33 42 11 00-0140	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	20.26	9.15
		For <100, Add	*3.66*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0141	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.26	10.63
		For <100, Add	*4.26*	
		For >1,000, Deduct	*-2.38*	
33 42 11 00-0142	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.20	12.37
		For <100, Add	*4.95*	
		For >1,000, Deduct	*-2.85*	
33 42 11 00-0143	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.37	12.80
		For <100, Add	*5.12*	
		For >1,000, Deduct	*-3.10*	
33 42 11 00-0144	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.19	13.26
		For <100, Add	*5.30*	
		For >1,000, Deduct	*-3.24*	
33 42 11 00-0145	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.12	13.72
		For <100, Add	*5.49*	
		For >1,000, Deduct	*-3.53*	
33 42 11 00-0146	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	51.83	14.22
		For <100, Add	*5.69*	
		For >1,000, Deduct	*-4.01*	
33 42 11 00-0147	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	70.55	16.67
		For <100, Add	*6.67*	
		For >1,000, Deduct	*-5.19*	
33 42 11 00-0148	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	99.86	22.44
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-7.24*	
33 42 11 00-0149	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	131.05	28.35
		For <100, Add	*11.34*	
		For >1,000, Deduct	*-9.39*	

33 42 11 00-0150 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0138)*

33 42 11 00-0151	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.99	13.26
		For <100, Add	*5.30*	
		For >1,000, Deduct	*-3.23*	
33 42 11 00-0152	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.95	13.72
		For <100, Add	*5.49*	
		For >1,000, Deduct	*-3.57*	
33 42 11 00-0153	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	53.07	14.22
		For <100, Add	*5.69*	
		For >1,000, Deduct	*-4.08*	
33 42 11 00-0154	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	72.51	16.67
		For <100, Add	*6.67*	
		For >1,000, Deduct	*-5.29*	
33 42 11 00-0155	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	105.22	22.44
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-7.50*	
33 42 11 00-0156	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	135.03	28.35
		For <100, Add	*11.34*	
		For >1,000, Deduct	*-9.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0157	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	174.93	30.93
		For <100, Add	*12.37*	
		For >1,000, Deduct	*-11.84*	
33 42 11 00-0158	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	190.98	34.89
		For <100, Add	*13.96*	
		For >1,000, Deduct	*-13.04*	

33 42 11 00-0159 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0160 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0159)*

33 42 11 00-0161	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.29	9.15
		For <100, Add	*3.66*	
		For >1,000, Deduct	*-1.98*	
33 42 11 00-0162	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.30	10.63
		For <100, Add	*4.26*	
		For >1,000, Deduct	*-2.38*	
33 42 11 00-0163	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.20	12.37
		For <100, Add	*4.95*	
		For >1,000, Deduct	*-2.85*	
33 42 11 00-0164	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.40	12.80
		For <100, Add	*5.12*	
		For >1,000, Deduct	*-3.10*	
33 42 11 00-0165	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.19	13.26
		For <100, Add	*5.30*	
		For >1,000, Deduct	*-3.24*	
33 42 11 00-0166	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.16	13.72
		For <100, Add	*5.49*	
		For >1,000, Deduct	*-3.53*	
33 42 11 00-0167	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	51.86	14.22
		For <100, Add	*5.69*	
		For >1,000, Deduct	*-4.02*	
33 42 11 00-0168	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	70.55	16.67
		For <100, Add	*6.67*	
		For >1,000, Deduct	*-5.19*	
33 42 11 00-0169	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	100.20	22.44
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-7.25*	
33 42 11 00-0170	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	131.05	28.35
		For <100, Add	*11.34*	
		For >1,000, Deduct	*-9.39*	

33 42 11 00-0171 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0159)*

33 42 11 00-0172	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.02	13.26
		For <100, Add	*5.30*	
		For >1,000, Deduct	*-3.23*	
33 42 11 00-0173	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.98	13.72
		For <100, Add	*5.49*	
		For >1,000, Deduct	*-3.57*	
33 42 11 00-0174	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	53.10	14.22
		For <100, Add	*5.69*	
		For >1,000, Deduct	*-4.08*	
33 42 11 00-0175	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	72.51	16.67
		For <100, Add	*6.67*	
		For >1,000, Deduct	*-5.29*	
33 42 11 00-0176	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	105.22	22.44
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-7.50*	
33 42 11 00-0177	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	135.03	28.35
		For <100, Add	*11.34*	
		For >1,000, Deduct	*-9.59*	
33 42 11 00-0178	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	174.93	30.93
		For <100, Add	*12.37*	
		For >1,000, Deduct	*-11.84*	
33 42 11 00-0179	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	190.98	34.89
		For <100, Add	*13.96*	
		For >1,000, Deduct	*-13.04*	

33 42 11 00-0180 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0181 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0180)*

33 42 11 00-0182	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	65.99	33.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0183	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	80.31	38.59
33 42 11 00-0184	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	116.13	46.87
33 42 11 00-0185	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	165.26	57.89
33 42 11 00-0186	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	241.11	68.92
33 42 11 00-0187	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	334.00	90.05
33 42 11 00-0188	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	473.15	121.28
33 42 11 00-0189	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	590.98	138.44
33 42 11 00-0190	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	961.77	159.88
33 42 11 00-0191	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,217.14	184.69
33 42 11 00-0192	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,950.16	220.52
33 42 11 00-0193	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	2,434.70	261.87

33 42 11 00-0194 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0180)*

33 42 11 00-0195	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	83.23	33.07
33 42 11 00-0196	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	99.22	38.59
33 42 11 00-0197	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	128.07	46.87
33 42 11 00-0198	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	178.42	57.89
33 42 11 00-0199	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	283.47	68.92
33 42 11 00-0200	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	321.01	90.05
33 42 11 00-0201	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	447.87	121.28

33 42 11 00-0202 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0180)*

33 42 11 00-0203	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	41.82	22.05
33 42 11 00-0204	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	50.32	25.74
33 42 11 00-0205	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	67.87	31.24
33 42 11 00-0206	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	84.78	38.59
33 42 11 00-0207	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	114.17	45.94
33 42 11 00-0208	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	168.26	58.81
33 42 11 00-0209	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	225.57	80.86
33 42 11 00-0210	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	374.00	91.88
33 42 11 00-0211	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	501.14	106.59
33 42 11 00-0212	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	585.71	123.12
33 42 11 00-0213	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	739.42	147.01
33 42 11 00-0214	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	978.38	174.58

33 42 11 00-0215 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0180)*

33 42 11 00-0216	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	43.71	22.05
33 42 11 00-0217	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	54.24	25.74
33 42 11 00-0218	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	69.88	31.24
33 42 11 00-0219	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	101.10	38.59
33 42 11 00-0220	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	114.17	45.94
33 42 11 00-0221	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	167.93	58.81
33 42 11 00-0222	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	251.88	80.86
33 42 11 00-0223	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	394.33	91.88
33 42 11 00-0224	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	502.10	106.59
33 42 11 00-0225	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	629.52	123.12
33 42 11 00-0226	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	908.52	147.01
33 42 11 00-0227	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,129.95	174.58

33 42 11 00-0228 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0137)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0229 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0228)*

33 42 11 00-0230	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.12
33 42 11 00-0231	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.02
33 42 11 00-0232	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.11
33 42 11 00-0233	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.82
33 42 11 00-0234	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.11
33 42 11 00-0235	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.85
33 42 11 00-0236	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.65
33 42 11 00-0237	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	13.78
33 42 11 00-0238	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	21.15
33 42 11 00-0239	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	27.68
33 42 11 00-0240	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	43.51
33 42 11 00-0241	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	58.85

33 42 11 00-0242 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0228)*

33 42 11 00-0243	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	59.59
33 42 11 00-0244	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	62.39
33 42 11 00-0245	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	65.33
33 42 11 00-0246	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	68.40
33 42 11 00-0247	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	81.13
33 42 11 00-0248	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	83.76
33 42 11 00-0249	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	87.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0250	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	99.51	
33 42 11 00-0251	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	159.52	
33 42 11 00-0252	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	174.73	
33 42 11 00-0253	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	190.38	
33 42 11 00-0254	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	231.22	

33 42 11 00-0255 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0228)*

33 42 11 00-0256	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	39.82	
33 42 11 00-0257	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	46.19	
33 42 11 00-0258	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	71.51	
33 42 11 00-0259	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	117.75	
33 42 11 00-0260	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	136.38	
33 42 11 00-0261	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.48	
33 42 11 00-0262	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	189.90	

33 42 11 00-0263 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-0264 Extra Strength Vitrified Clay Piping *(33 42 11 00-0263)*

33 42 11 00-0265 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0264)*

Note: ASTM C700.

33 42 11 00-0266	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	26.92	
		For 3' Lengths, Add	*2.03*	
		For 2' Lengths, Add	*2.70*	
		For Standard Strength, Deduct	*-0.68*	
		For >1,000, Deduct	*-1.35*	
33 42 11 00-0267	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	44.86	
		For 3' Lengths, Add	*3.14*	
		For 2' Lengths, Add	*4.19*	
		For Standard Strength, Deduct	*-1.05*	
		For >1,000, Deduct	*-2.24*	
33 42 11 00-0268	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	53.18	
		For 3' Lengths, Add	*4.49*	
		For 2' Lengths, Add	*5.99*	
		For Standard Strength, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.66*	
33 42 11 00-0269	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	63.04	
		For 3' Lengths, Add	*6.88*	
		For 2' Lengths, Add	*9.18*	
		For Standard Strength, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.15*	
33 42 11 00-0270	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	76.14	
		For 3' Lengths, Add	*9.72*	
		For 2' Lengths, Add	*12.96*	
		For Standard Strength, Deduct	*-3.24*	
		For >1,000, Deduct	*-3.81*	
33 42 11 00-0271	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	109.42	
		For 3' Lengths, Add	*18.22*	
		For 2' Lengths, Add	*24.30*	
		For Standard Strength, Deduct	*-6.07*	
		For >1,000, Deduct	*-5.47*	
33 42 11 00-0272	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	147.77	
		For 3' Lengths, Add	*26.12*	
		For 2' Lengths, Add	*34.82*	
		For Standard Strength, Deduct	*-8.71*	
		For >1,000, Deduct	*-7.39*	
33 42 11 00-0273	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	216.04	
		For 3' Lengths, Add	*41.84*	
		For 2' Lengths, Add	*55.79*	
		For Standard Strength, Deduct	*-13.95*	
		For >1,000, Deduct	*-10.80*	
33 42 11 00-0274	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	275.19	
		For 3' Lengths, Add	*54.66*	
		For 2' Lengths, Add	*72.88*	
		For Standard Strength, Deduct	*-18.22*	
		For >1,000, Deduct	*-13.76*	
33 42 11 00-0275	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	340.09	
		For 3' Lengths, Add	*68.16*	
		For 2' Lengths, Add	*90.88*	
		For Standard Strength, Deduct	*-22.72*	
		For >1,000, Deduct	*-17.00*	
33 42 11 00-0276	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	411.53	
		For 3' Lengths, Add	*82.33*	
		For 2' Lengths, Add	*109.78*	
		For Standard Strength, Deduct	*-27.44*	
		For >1,000, Deduct	*-20.58*	

33 42 11 00-0277 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0264)*

Note: ASTM C425.

33 42 11 00-0278	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	38.52	
		For 3' Lengths, Add	*2.39*	
		For 2' Lengths, Add	*3.18*	
		For Standard Strength, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0279	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	47.38	
		For 3' Lengths, Add	*3.90*	
		For 2' Lengths, Add	*5.20*	
		For Standard Strength, Deduct	*-1.30*	
		For >1,000, Deduct	*-2.37*	
33 42 11 00-0280	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	56.56	
		For 3' Lengths, Add	*5.51*	
		For 2' Lengths, Add	*7.34*	
		For Standard Strength, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.83*	
33 42 11 00-0281	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	70.24	
		For 3' Lengths, Add	*9.04*	
		For 2' Lengths, Add	*12.06*	
		For Standard Strength, Deduct	*-3.01*	
		For >1,000, Deduct	*-3.51*	
33 42 11 00-0282	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	83.34	
		For 3' Lengths, Add	*11.88*	
		For 2' Lengths, Add	*15.84*	
		For Standard Strength, Deduct	*-3.96*	
		For >1,000, Deduct	*-4.17*	
33 42 11 00-0283	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	120.89	
		For 3' Lengths, Add	*21.66*	
		For 2' Lengths, Add	*28.88*	
		For Standard Strength, Deduct	*-7.22*	
		For >1,000, Deduct	*-6.04*	
33 42 11 00-0284	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	166.45	
		For 3' Lengths, Add	*31.72*	
		For 2' Lengths, Add	*42.29*	
		For Standard Strength, Deduct	*-10.57*	
		For >1,000, Deduct	*-8.32*	
33 42 11 00-0285	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	237.41	
		For 3' Lengths, Add	*48.25*	
		For 2' Lengths, Add	*64.34*	
		For Standard Strength, Deduct	*-16.08*	
		For >1,000, Deduct	*-11.87*	
33 42 11 00-0286	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	308.93	
		For 3' Lengths, Add	*64.79*	
		For 2' Lengths, Add	*86.38*	
		For Standard Strength, Deduct	*-21.60*	
		For >1,000, Deduct	*-15.45*	
33 42 11 00-0287	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	488.55	
		For 3' Lengths, Add	*112.70*	
		For 2' Lengths, Add	*150.26*	
		For Standard Strength, Deduct	*-37.57*	
		For >1,000, Deduct	*-24.43*	
33 42 11 00-0288	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	690.46	
		For 3' Lengths, Add	*166.01*	
		For 2' Lengths, Add	*221.35*	
		For Standard Strength, Deduct	*-55.34*	
		For >1,000, Deduct	*-34.52*	

33 42 11 00-0289 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0263)*

33 42 11 00-0290 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0289)*

33 42 11 00-0291 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0290)*

33 42 11 00-0292	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	108.68
33 42 11 00-0293	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	145.29
33 42 11 00-0294	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	204.51
33 42 11 00-0295	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	277.65
33 42 11 00-0296	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	363.72
33 42 11 00-0297	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	845.65
33 42 11 00-0298	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,189.45
33 42 11 00-0299	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,848.37
33 42 11 00-0300	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,135.18
33 42 11 00-0301	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,482.75
33 42 11 00-0302	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,706.03

33 42 11 00-0303 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0290)*

33 42 11 00-0304	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	123.55
33 42 11 00-0305	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	173.07
33 42 11 00-0306	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	231.75
33 42 11 00-0307	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	307.03
33 42 11 00-0308	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	386.97
33 42 11 00-0309	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	950.22
33 42 11 00-0310	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,377.37
33 42 11 00-0311	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,423.04
33 42 11 00-0312	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,731.28
33 42 11 00-0313	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,047.96
33 42 11 00-0314	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,504.89

33 42 11 00-0315 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0289)*

33 42 11 00-0316 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0315)*

33 42 11 00-0317	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	128.84
33 42 11 00-0318	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	169.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0319	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	232.93	
33 42 11 00-0320	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	308.71	
33 42 11 00-0321	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	398.72	
33 42 11 00-0322	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	884.59	
33 42 11 00-0323	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,238.02	
33 42 11 00-0324	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,909.62	
33 42 11 00-0325	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,209.57	
33 42 11 00-0326	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,575.51	
33 42 11 00-0327	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,809.14	
33 42 11 00-0328		Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0315)*		
33 42 11 00-0329	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	147.75	
33 42 11 00-0330	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	202.21	
33 42 11 00-0331	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	265.86	
33 42 11 00-0332	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	344.30	
33 42 11 00-0333	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	428.98	
33 42 11 00-0334	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	996.95	
33 42 11 00-0335	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,435.64	
33 42 11 00-0336	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,757.53	
33 42 11 00-0337	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,820.54	
33 42 11 00-0338	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,159.26	
33 42 11 00-0339	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,628.63	
33 42 11 00-0340		Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0289)*		
33 42 11 00-0341		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0340)*		
33 42 11 00-0342	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	143.66	
33 42 11 00-0343	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	185.80	
33 42 11 00-0344	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	248.57	
33 42 11 00-0345	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	323.90	
33 42 11 00-0346	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	405.70	
33 42 11 00-0347	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	900.09	
33 42 11 00-0348	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,254.32	
33 42 11 00-0349	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,804.41	
33 42 11 00-0350	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,501.37	
33 42 11 00-0351	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,659.80	
33 42 11 00-0352	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,798.49	
33 42 11 00-0353		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0340)*		
33 42 11 00-0354	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	175.13	
33 42 11 00-0355	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	236.72	
33 42 11 00-0356	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	308.05	
33 42 11 00-0357	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	393.79	
33 42 11 00-0358	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	487.29	
33 42 11 00-0359	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,094.31	
33 42 11 00-0360	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,569.08	
33 42 11 00-0361	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,317.94	
33 42 11 00-0362	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,063.75	
33 42 11 00-0363	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,551.10	
33 42 11 00-0364	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	5,010.70	
33 42 11 00-0365		Corrugated Metal Piping *(33 42 11)*		
33 42 11 00-0366		Galvanized Corrugated Steel Piping *(33 42 11 00-0365)*		
33 42 11 00-0367		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0366)*		
33 42 11 00-0368		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0367)*		
33 42 11 00-0369	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.47	14.39
		For Bituminous Coated Pipe, Add	*4.98*	
		For Bituminous Coated And 25% Paved, Add	*10.18*	
		For Smooth-Flo, Add	*18.18*	
33 42 11 00-0370	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	56.84	15.08
		For Bituminous Coated Pipe, Add	*6.26*	
		For Bituminous Coated And 25% Paved, Add	*12.81*	
		For Smooth-Flo, Add	*22.88*	
33 42 11 00-0371	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	63.44	16.45
		For Bituminous Coated Pipe, Add	*7.59*	
		For Bituminous Coated And 25% Paved, Add	*15.52*	
		For Smooth-Flo, Add	*27.71*	
33 42 11 00-0372	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	72.13	17.82
		For Bituminous Coated Pipe, Add	*9.08*	
		For Bituminous Coated And 25% Paved, Add	*18.56*	
		For Smooth-Flo, Add	*33.15*	
33 42 11 00-0373	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	79.79	19.19
		For Bituminous Coated Pipe, Add	*10.21*	
		For Bituminous Coated And 25% Paved, Add	*20.89*	
		For Smooth-Flo, Add	*37.30*	
33 42 11 00-0374	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	105.36	24.68
		For Bituminous Coated Pipe, Add	*13.25*	
		For Bituminous Coated And 25% Paved, Add	*27.10*	
		For Smooth-Flo, Add	*48.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0375	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	135.12	31.15
		For Bituminous Coated Pipe, Add	*16.71*	
		For Bituminous Coated And 25% Paved, Add	*34.18*	
		For Smooth-Flo, Add	*61.05*	
33 42 11 00-0376	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	153.79	36.81
		For Bituminous Coated Pipe, Add	*19.78*	
		For Bituminous Coated And 25% Paved, Add	*40.45*	
		For Smooth-Flo, Add	*72.24*	
33 42 11 00-0377	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	172.84	42.46
		For Bituminous Coated Pipe, Add	*22.15*	
		For Bituminous Coated And 25% Paved, Add	*45.31*	
		For Smooth-Flo, Add	*80.91*	
33 42 11 00-0378		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0367)*		
33 42 11 00-0379	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.91	14.39
		For Bituminous Coated Pipe, Add	*5.05*	
		For Bituminous Coated And 25% Paved, Add	*11.70*	
		For Smooth-Flo, Add	*23.65*	
33 42 11 00-0380	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	62.31	15.08
		For Bituminous Coated Pipe, Add	*6.33*	
		For Bituminous Coated And 25% Paved, Add	*14.67*	
		For Smooth-Flo, Add	*29.66*	
33 42 11 00-0381	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	70.06	16.45
		For Bituminous Coated Pipe, Add	*7.67*	
		For Bituminous Coated And 25% Paved, Add	*17.77*	
		For Smooth-Flo, Add	*35.92*	
33 42 11 00-0382	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	79.78	17.82
		For Bituminous Coated Pipe, Add	*9.12*	
		For Bituminous Coated And 25% Paved, Add	*21.13*	
		For Smooth-Flo, Add	*42.71*	
33 42 11 00-0383	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	88.68	19.19
		For Bituminous Coated Pipe, Add	*10.32*	
		For Bituminous Coated And 25% Paved, Add	*23.91*	
		For Smooth-Flo, Add	*48.33*	
33 42 11 00-0384	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	116.21	24.68
		For Bituminous Coated Pipe, Add	*13.25*	
		For Bituminous Coated And 25% Paved, Add	*30.70*	
		For Smooth-Flo, Add	*62.06*	
33 42 11 00-0385	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	148.29	31.15
		For Bituminous Coated Pipe, Add	*16.61*	
		For Bituminous Coated And 25% Paved, Add	*38.48*	
		For Smooth-Flo, Add	*77.79*	
33 42 11 00-0386	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	168.87	36.81
		For Bituminous Coated Pipe, Add	*19.55*	
		For Bituminous Coated And 25% Paved, Add	*45.30*	
		For Smooth-Flo, Add	*91.57*	
33 42 11 00-0387	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	190.10	42.46
		For Bituminous Coated Pipe, Add	*21.98*	
		For Bituminous Coated And 25% Paved, Add	*50.91*	
		For Smooth-Flo, Add	*102.92*	
33 42 11 00-0388	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	227.05	48.13
		For Bituminous Coated Pipe, Add	*27.03*	
		For Bituminous Coated And 25% Paved, Add	*62.61*	
		For Smooth-Flo, Add	*126.57*	
33 42 11 00-0389		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0367)*		
33 42 11 00-0390	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	83.75	16.45
		For Bituminous Coated Pipe, Add	*8.78*	
		For Bituminous Coated And 25% Paved, Add	*15.86*	
		For Smooth-Flo, Add	*30.48*	
33 42 11 00-0391	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.69	17.82
		For Bituminous Coated Pipe, Add	*10.38*	
		For Bituminous Coated And 25% Paved, Add	*18.75*	
		For Smooth-Flo, Add	*36.03*	
33 42 11 00-0392	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	106.81	17.82
		For Bituminous Coated Pipe, Add	*11.77*	
		For Bituminous Coated And 25% Paved, Add	*21.25*	
		For Smooth-Flo, Add	*40.84*	
33 42 11 00-0393	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	138.63	24.68
		For Bituminous Coated Pipe, Add	*14.96*	
		For Bituminous Coated And 25% Paved, Add	*27.02*	
		For Smooth-Flo, Add	*51.93*	
33 42 11 00-0394	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	174.90	31.15
		For Bituminous Coated Pipe, Add	*18.50*	
		For Bituminous Coated And 25% Paved, Add	*33.41*	
		For Smooth-Flo, Add	*64.22*	
33 42 11 00-0395	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	199.61	36.81
		For Bituminous Coated Pipe, Add	*21.68*	
		For Bituminous Coated And 25% Paved, Add	*39.15*	
		For Smooth-Flo, Add	*75.25*	
33 42 11 00-0396	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	225.32	42.46
		For Bituminous Coated Pipe, Add	*24.48*	
		For Bituminous Coated And 25% Paved, Add	*44.21*	
		For Smooth-Flo, Add	*84.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0397	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	265.94	48.13
		For Bituminous Coated Pipe, Add	*29.36*	
		For Bituminous Coated And 25% Paved, Add	*53.01*	
		For Smooth-Flo, Add	*101.88*	
33 42 11 00-0398	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	290.75	50.96
		For Bituminous Coated Pipe, Add	*32.15*	
		For Bituminous Coated And 25% Paved, Add	*58.06*	
		For Smooth-Flo, Add	*111.57*	
33 42 11 00-0399		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0367)*		
33 42 11 00-0400	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	199.79	31.15
		For Bituminous Coated Pipe, Add	*23.54*	
		For Bituminous Coated And 25% Paved, Add	*39.32*	
		For Smooth-Flo, Add	*56.10*	
33 42 11 00-0401	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	228.74	36.81
		For Bituminous Coated Pipe, Add	*27.57*	
		For Bituminous Coated And 25% Paved, Add	*46.06*	
		For Smooth-Flo, Add	*65.72*	
33 42 11 00-0402	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	258.38	42.46
		For Bituminous Coated Pipe, Add	*31.16*	
		For Bituminous Coated And 25% Paved, Add	*52.06*	
		For Smooth-Flo, Add	*74.28*	
33 42 11 00-0403	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	302.98	48.13
		For Bituminous Coated Pipe, Add	*36.91*	
		For Bituminous Coated And 25% Paved, Add	*61.66*	
		For Smooth-Flo, Add	*87.98*	
33 42 11 00-0404	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	331.97	50.96
		For Bituminous Coated Pipe, Add	*40.54*	
		For Bituminous Coated And 25% Paved, Add	*67.72*	
		For Smooth-Flo, Add	*96.62*	
33 42 11 00-0405	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	397.49	62.29
		For Bituminous Coated Pipe, Add	*48.49*	
		For Bituminous Coated And 25% Paved, Add	*81.01*	
		For Smooth-Flo, Add	*115.58*	
33 42 11 00-0406		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0366)*		
33 42 11 00-0407		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0406)*		
33 42 11 00-0408	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	157.95	31.15
		For Bituminous Coated Pipe, Add	*18.38*	
		For Bituminous Coated And 25% Paved, Add	*41.72*	
		For Smooth-Flo, Add	*83.07*	
33 42 11 00-0409	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	179.98	36.81
		For Bituminous Coated Pipe, Add	*21.58*	
		For Bituminous Coated And 25% Paved, Add	*48.99*	
		For Smooth-Flo, Add	*97.55*	
33 42 11 00-0410	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	202.34	42.46
		For Bituminous Coated Pipe, Add	*24.21*	
		For Bituminous Coated And 25% Paved, Add	*54.95*	
		For Smooth-Flo, Add	*109.41*	
33 42 11 00-0411	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	241.10	48.13
		For Bituminous Coated Pipe, Add	*29.57*	
		For Bituminous Coated And 25% Paved, Add	*67.12*	
		For Smooth-Flo, Add	*133.65*	
33 42 11 00-0412	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	262.70	50.96
		For Bituminous Coated Pipe, Add	*32.21*	
		For Bituminous Coated And 25% Paved, Add	*73.12*	
		For Smooth-Flo, Add	*145.60*	
33 42 11 00-0413	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	328.84	62.29
		For Bituminous Coated Pipe, Add	*41.38*	
		For Bituminous Coated And 25% Paved, Add	*93.92*	
		For Smooth-Flo, Add	*187.02*	
33 42 11 00-0414	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	400.69	90.60
		For Bituminous Coated Pipe, Add	*44.10*	
		For Bituminous Coated And 25% Paved, Add	*100.12*	
		For Smooth-Flo, Add	*199.35*	
33 42 11 00-0415	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	432.39	99.10
		For Bituminous Coated Pipe, Add	*46.84*	
		For Bituminous Coated And 25% Paved, Add	*106.33*	
		For Smooth-Flo, Add	*211.72*	
33 42 11 00-0416	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	460.23	106.17
		For Bituminous Coated Pipe, Add	*49.58*	
		For Bituminous Coated And 25% Paved, Add	*112.54*	
		For Smooth-Flo, Add	*224.09*	
33 42 11 00-0417	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	488.13	113.25
		For Bituminous Coated Pipe, Add	*52.33*	
		For Bituminous Coated And 25% Paved, Add	*118.78*	
		For Smooth-Flo, Add	*236.51*	
33 42 11 00-0418	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	516.96	120.33
		For Bituminous Coated Pipe, Add	*55.05*	
		For Bituminous Coated And 25% Paved, Add	*124.97*	
		For Smooth-Flo, Add	*248.84*	
33 42 11 00-0419	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	549.84	127.41
		For Bituminous Coated Pipe, Add	*57.81*	
		For Bituminous Coated And 25% Paved, Add	*131.23*	
		For Smooth-Flo, Add	*261.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0420		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0406)*		
33 42 11 00-0421	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	264.39	48.13
		For Bituminous Coated Pipe, Add	*34.23*	
		For Bituminous Coated And 25% Paved, Add	*67.08*	
		For Smooth-Flo, Add	*135.53*	
33 42 11 00-0422	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	288.48	50.96
		For Bituminous Coated Pipe, Add	*37.37*	
		For Bituminous Coated And 25% Paved, Add	*73.24*	
		For Smooth-Flo, Add	*147.98*	
33 42 11 00-0423	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	357.20	62.29
		For Bituminous Coated Pipe, Add	*47.05*	
		For Bituminous Coated And 25% Paved, Add	*92.21*	
		For Smooth-Flo, Add	*186.31*	
33 42 11 00-0424	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	431.57	90.60
		For Bituminous Coated Pipe, Add	*50.28*	
		For Bituminous Coated And 25% Paved, Add	*98.55*	
		For Smooth-Flo, Add	*199.11*	
33 42 11 00-0425	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	465.76	99.10
		For Bituminous Coated Pipe, Add	*53.51*	
		For Bituminous Coated And 25% Paved, Add	*104.89*	
		For Smooth-Flo, Add	*211.92*	
33 42 11 00-0426	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	496.24	106.17
		For Bituminous Coated Pipe, Add	*56.78*	
		For Bituminous Coated And 25% Paved, Add	*111.29*	
		For Smooth-Flo, Add	*224.85*	
33 42 11 00-0427	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	526.56	113.25
		For Bituminous Coated Pipe, Add	*60.01*	
		For Bituminous Coated And 25% Paved, Add	*117.62*	
		For Smooth-Flo, Add	*237.65*	
33 42 11 00-0428	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	557.92	120.33
		For Bituminous Coated Pipe, Add	*63.25*	
		For Bituminous Coated And 25% Paved, Add	*123.96*	
		For Smooth-Flo, Add	*250.45*	
33 42 11 00-0429	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	593.28	127.41
		For Bituminous Coated Pipe, Add	*66.50*	
		For Bituminous Coated And 25% Paved, Add	*130.34*	
		For Smooth-Flo, Add	*263.34*	
33 42 11 00-0430	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	631.90	141.56
		For Bituminous Coated Pipe, Add	*69.75*	
		For Bituminous Coated And 25% Paved, Add	*136.72*	
		For Smooth-Flo, Add	*276.23*	
33 42 11 00-0431	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	669.65	155.72
		For Bituminous Coated Pipe, Add	*72.95*	
		For Bituminous Coated And 25% Paved, Add	*142.98*	
		For Smooth-Flo, Add	*288.87*	
33 42 11 00-0432		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0406)*		
33 42 11 00-0433	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	345.66	50.96
		For Bituminous Coated Pipe, Add	*48.80*	
		For Bituminous Coated And 25% Paved, Add	*92.97*	
		For Smooth-Flo, Add	*151.54*	
33 42 11 00-0434	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	420.53	62.29
		For Bituminous Coated Pipe, Add	*59.71*	
		For Bituminous Coated And 25% Paved, Add	*113.76*	
		For Smooth-Flo, Add	*185.41*	
33 42 11 00-0435	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	500.43	90.60
		For Bituminous Coated Pipe, Add	*64.05*	
		For Bituminous Coated And 25% Paved, Add	*122.02*	
		For Smooth-Flo, Add	*198.88*	
33 42 11 00-0436	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	540.20	99.10
		For Bituminous Coated Pipe, Add	*68.40*	
		For Bituminous Coated And 25% Paved, Add	*130.31*	
		For Smooth-Flo, Add	*212.39*	
33 42 11 00-0437	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	576.20	106.17
		For Bituminous Coated Pipe, Add	*72.77*	
		For Bituminous Coated And 25% Paved, Add	*138.63*	
		For Smooth-Flo, Add	*225.96*	
33 42 11 00-0438	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	612.10	113.25
		For Bituminous Coated Pipe, Add	*77.12*	
		For Bituminous Coated And 25% Paved, Add	*146.91*	
		For Smooth-Flo, Add	*239.46*	
33 42 11 00-0439	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	649.09	120.33
		For Bituminous Coated Pipe, Add	*81.48*	
		For Bituminous Coated And 25% Paved, Add	*155.22*	
		For Smooth-Flo, Add	*253.00*	
33 42 11 00-0440	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	690.03	127.41
		For Bituminous Coated Pipe, Add	*85.85*	
		For Bituminous Coated And 25% Paved, Add	*163.54*	
		For Smooth-Flo, Add	*266.56*	
33 42 11 00-0441	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	734.13	141.56
		For Bituminous Coated Pipe, Add	*90.20*	
		For Bituminous Coated And 25% Paved, Add	*171.83*	
		For Smooth-Flo, Add	*280.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0442	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	777.50	155.72
		For Bituminous Coated Pipe, Add	*94.52*	
		For Bituminous Coated And 25% Paved, Add	*180.06*	
		For Smooth-Flo, Add	*293.48*	
33 42 11 00-0443	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	819.35	169.88
		For Bituminous Coated Pipe, Add	*98.89*	
		For Bituminous Coated And 25% Paved, Add	*188.38*	
		For Smooth-Flo, Add	*307.05*	
33 42 11 00-0444		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0406)*		
33 42 11 00-0445	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	564.64	90.60
		For Bituminous Coated Pipe, Add	*76.89*	
		For Bituminous Coated And 25% Paved, Add	*146.10*	
		For Smooth-Flo, Add	*195.31*	
33 42 11 00-0446	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	609.67	99.10
		For Bituminous Coated Pipe, Add	*82.30*	
		For Bituminous Coated And 25% Paved, Add	*156.36*	
		For Smooth-Flo, Add	*209.03*	
33 42 11 00-0447	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	650.94	106.17
		For Bituminous Coated Pipe, Add	*87.72*	
		For Bituminous Coated And 25% Paved, Add	*166.67*	
		For Smooth-Flo, Add	*222.81*	
33 42 11 00-0448	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	692.12	113.25
		For Bituminous Coated Pipe, Add	*93.12*	
		For Bituminous Coated And 25% Paved, Add	*176.94*	
		For Smooth-Flo, Add	*236.53*	
33 42 11 00-0449	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	734.38	120.33
		For Bituminous Coated Pipe, Add	*98.54*	
		For Bituminous Coated And 25% Paved, Add	*187.22*	
		For Smooth-Flo, Add	*250.29*	
33 42 11 00-0450	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	780.58	127.41
		For Bituminous Coated Pipe, Add	*103.96*	
		For Bituminous Coated And 25% Paved, Add	*197.52*	
		For Smooth-Flo, Add	*264.06*	
33 42 11 00-0451	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	829.95	141.56
		For Bituminous Coated Pipe, Add	*109.36*	
		For Bituminous Coated And 25% Paved, Add	*207.79*	
		For Smooth-Flo, Add	*277.78*	
33 42 11 00-0452	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	878.54	155.72
		For Bituminous Coated Pipe, Add	*114.73*	
		For Bituminous Coated And 25% Paved, Add	*217.98*	
		For Smooth-Flo, Add	*291.40*	
33 42 11 00-0453	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	925.71	169.88
		For Bituminous Coated Pipe, Add	*120.16*	
		For Bituminous Coated And 25% Paved, Add	*228.30*	
		For Smooth-Flo, Add	*305.21*	
33 42 11 00-0454	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	975.41	184.03
		For Bituminous Coated Pipe, Add	*125.54*	
		For Bituminous Coated And 25% Paved, Add	*238.53*	
		For Smooth-Flo, Add	*318.88*	
33 42 11 00-0455	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,028.77	198.19
		For Bituminous Coated Pipe, Add	*130.97*	
		For Bituminous Coated And 25% Paved, Add	*248.84*	
		For Smooth-Flo, Add	*332.65*	
33 42 11 00-0456	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,086.47	212.35
		For Bituminous Coated Pipe, Add	*136.40*	
		For Bituminous Coated And 25% Paved, Add	*259.16*	
		For Smooth-Flo, Add	*346.46*	
33 42 11 00-0457		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0366)*		
33 42 11 00-0458		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0457)*		
33 42 11 00-0459	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	203.01	42.46
		For Bituminous Coated Pipe, Add	*30.43*	
		For Bituminous Coated And 25% Paved, Add	*69.37*	
		For Smooth-Flo, Add	*110.14*	
33 42 11 00-0460	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	242.39	48.13
		For Bituminous Coated Pipe, Add	*37.28*	
		For Bituminous Coated And 25% Paved, Add	*85.00*	
		For Smooth-Flo, Add	*134.96*	
33 42 11 00-0461	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	263.84	50.96
		For Bituminous Coated Pipe, Add	*40.55*	
		For Bituminous Coated And 25% Paved, Add	*92.45*	
		For Smooth-Flo, Add	*146.79*	
33 42 11 00-0462	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	326.15	62.29
		For Bituminous Coated Pipe, Add	*51.05*	
		For Bituminous Coated And 25% Paved, Add	*116.39*	
		For Smooth-Flo, Add	*184.79*	
33 42 11 00-0463	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	397.69	90.60
		For Bituminous Coated Pipe, Add	*54.38*	
		For Bituminous Coated And 25% Paved, Add	*123.99*	
		For Smooth-Flo, Add	*196.86*	
33 42 11 00-0464	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	428.98	99.10
		For Bituminous Coated Pipe, Add	*57.70*	
		For Bituminous Coated And 25% Paved, Add	*131.55*	
		For Smooth-Flo, Add	*208.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0465	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	456.36	106.17
		For Bituminous Coated Pipe, Add	*61.01*	
		For Bituminous Coated And 25% Paved, Add	*139.09*	
		For Smooth-Flo, Add	*220.84*	
33 42 11 00-0466	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	483.69	113.25
		For Bituminous Coated Pipe, Add	*64.30*	
		For Bituminous Coated And 25% Paved, Add	*146.60*	
		For Smooth-Flo, Add	*232.76*	
33 42 11 00-0467	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	512.26	120.33
		For Bituminous Coated Pipe, Add	*67.64*	
		For Bituminous Coated And 25% Paved, Add	*154.22*	
		For Smooth-Flo, Add	*244.87*	
33 42 11 00-0468	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	545.04	127.41
		For Bituminous Coated Pipe, Add	*71.07*	
		For Bituminous Coated And 25% Paved, Add	*162.03*	
		For Smooth-Flo, Add	*257.26*	

33 42 11 00-0469 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0457)*

33 42 11 00-0470	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	271.52	48.13
		For Bituminous Coated Pipe, Add	*35.65*	
		For Bituminous Coated And 25% Paved, Add	*83.78*	
		For Smooth-Flo, Add	*151.70*	
33 42 11 00-0471	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	296.22	50.96
		For Bituminous Coated Pipe, Add	*38.92*	
		For Bituminous Coated And 25% Paved, Add	*91.45*	
		For Smooth-Flo, Add	*165.59*	
33 42 11 00-0472	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	361.48	62.29
		For Bituminous Coated Pipe, Add	*47.90*	
		For Bituminous Coated And 25% Paved, Add	*112.57*	
		For Smooth-Flo, Add	*203.83*	
33 42 11 00-0473	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	435.86	90.60
		For Bituminous Coated Pipe, Add	*51.14*	
		For Bituminous Coated And 25% Paved, Add	*120.17*	
		For Smooth-Flo, Add	*217.59*	
33 42 11 00-0474	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	470.62	99.10
		For Bituminous Coated Pipe, Add	*54.49*	
		For Bituminous Coated And 25% Paved, Add	*128.04*	
		For Smooth-Flo, Add	*231.84*	
33 42 11 00-0475	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	501.25	106.17
		For Bituminous Coated Pipe, Add	*57.78*	
		For Bituminous Coated And 25% Paved, Add	*135.79*	
		For Smooth-Flo, Add	*245.86*	
33 42 11 00-0476	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	530.18	113.25
		For Bituminous Coated Pipe, Add	*60.74*	
		For Bituminous Coated And 25% Paved, Add	*142.73*	
		For Smooth-Flo, Add	*258.43*	
33 42 11 00-0477	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	563.45	120.33
		For Bituminous Coated Pipe, Add	*64.35*	
		For Bituminous Coated And 25% Paved, Add	*151.23*	
		For Smooth-Flo, Add	*273.82*	
33 42 11 00-0478	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	598.97	127.41
		For Bituminous Coated Pipe, Add	*67.64*	
		For Bituminous Coated And 25% Paved, Add	*158.95*	
		For Smooth-Flo, Add	*287.80*	
33 42 11 00-0479	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	637.59	141.56
		For Bituminous Coated Pipe, Add	*70.89*	
		For Bituminous Coated And 25% Paved, Add	*166.60*	
		For Smooth-Flo, Add	*301.65*	
33 42 11 00-0480	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	676.05	155.72
		For Bituminous Coated Pipe, Add	*74.23*	
		For Bituminous Coated And 25% Paved, Add	*174.44*	
		For Smooth-Flo, Add	*315.84*	

33 42 11 00-0481 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0457)*

33 42 11 00-0482	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	356.87	50.96
		For Bituminous Coated Pipe, Add	*51.05*	
		For Bituminous Coated And 25% Paved, Add	*96.99*	
		For Smooth-Flo, Add	*175.09*	
33 42 11 00-0483	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	428.27	62.29
		For Bituminous Coated Pipe, Add	*61.26*	
		For Bituminous Coated And 25% Paved, Add	*116.40*	
		For Smooth-Flo, Add	*210.13*	
33 42 11 00-0484	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	509.01	90.60
		For Bituminous Coated Pipe, Add	*65.77*	
		For Bituminous Coated And 25% Paved, Add	*124.96*	
		For Smooth-Flo, Add	*225.58*	
33 42 11 00-0485	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	549.39	99.10
		For Bituminous Coated Pipe, Add	*70.24*	
		For Bituminous Coated And 25% Paved, Add	*133.46*	
		For Smooth-Flo, Add	*240.92*	
33 42 11 00-0486	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	585.70	106.17
		For Bituminous Coated Pipe, Add	*74.67*	
		For Bituminous Coated And 25% Paved, Add	*141.88*	
		For Smooth-Flo, Add	*256.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0487	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	622.33	113.25
		For Bituminous Coated Pipe, Add	*79.17*	
		For Bituminous Coated And 25% Paved, Add	*150.42*	
		For Smooth-Flo, Add	*271.54*	
33 42 11 00-0488	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	659.84	120.33
		For Bituminous Coated Pipe, Add	*83.63*	
		For Bituminous Coated And 25% Paved, Add	*158.90*	
		For Smooth-Flo, Add	*286.85*	
33 42 11 00-0489	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	701.19	127.41
		For Bituminous Coated Pipe, Add	*88.08*	
		For Bituminous Coated And 25% Paved, Add	*167.36*	
		For Smooth-Flo, Add	*302.12*	
33 42 11 00-0490	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	746.01	141.56
		For Bituminous Coated Pipe, Add	*92.58*	
		For Bituminous Coated And 25% Paved, Add	*175.89*	
		For Smooth-Flo, Add	*317.54*	
33 42 11 00-0491	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	790.11	155.72
		For Bituminous Coated Pipe, Add	*97.04*	
		For Bituminous Coated And 25% Paved, Add	*184.38*	
		For Smooth-Flo, Add	*332.85*	
33 42 11 00-0492	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	832.42	169.88
		For Bituminous Coated Pipe, Add	*101.50*	
		For Bituminous Coated And 25% Paved, Add	*192.85*	
		For Smooth-Flo, Add	*348.15*	
33 42 11 00-0493		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0457)*		
33 42 11 00-0494	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	579.05	90.60
		For Bituminous Coated Pipe, Add	*79.78*	
		For Bituminous Coated And 25% Paved, Add	*151.57*	
		For Smooth-Flo, Add	*238.13*	
33 42 11 00-0495	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	625.95	99.10
		For Bituminous Coated Pipe, Add	*85.55*	
		For Bituminous Coated And 25% Paved, Add	*162.55*	
		For Smooth-Flo, Add	*255.37*	
33 42 11 00-0496	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	668.35	106.17
		For Bituminous Coated Pipe, Add	*91.20*	
		For Bituminous Coated And 25% Paved, Add	*173.28*	
		For Smooth-Flo, Add	*272.24*	
33 42 11 00-0497	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	710.51	113.25
		For Bituminous Coated Pipe, Add	*96.80*	
		For Bituminous Coated And 25% Paved, Add	*183.92*	
		For Smooth-Flo, Add	*288.95*	
33 42 11 00-0498	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	754.00	120.33
		For Bituminous Coated Pipe, Add	*102.46*	
		For Bituminous Coated And 25% Paved, Add	*194.68*	
		For Smooth-Flo, Add	*305.85*	
33 42 11 00-0499	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	801.14	127.41
		For Bituminous Coated Pipe, Add	*108.07*	
		For Bituminous Coated And 25% Paved, Add	*205.34*	
		For Smooth-Flo, Add	*322.59*	
33 42 11 00-0500	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	851.75	141.56
		For Bituminous Coated Pipe, Add	*113.72*	
		For Bituminous Coated And 25% Paved, Add	*216.08*	
		For Smooth-Flo, Add	*339.47*	
33 42 11 00-0501	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	901.73	155.72
		For Bituminous Coated Pipe, Add	*119.36*	
		For Bituminous Coated And 25% Paved, Add	*226.79*	
		For Smooth-Flo, Add	*356.30*	
33 42 11 00-0502	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	949.78	169.88
		For Bituminous Coated Pipe, Add	*124.97*	
		For Bituminous Coated And 25% Paved, Add	*237.45*	
		For Smooth-Flo, Add	*373.05*	
33 42 11 00-0503	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,009.61	184.03
		For Bituminous Coated Pipe, Add	*132.38*	
		For Bituminous Coated And 25% Paved, Add	*251.53*	
		For Smooth-Flo, Add	*395.16*	
33 42 11 00-0504	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,066.38	198.19
		For Bituminous Coated Pipe, Add	*138.49*	
		For Bituminous Coated And 25% Paved, Add	*263.13*	
		For Smooth-Flo, Add	*413.39*	
33 42 11 00-0505	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,128.62	212.35
		For Bituminous Coated Pipe, Add	*144.83*	
		For Bituminous Coated And 25% Paved, Add	*275.18*	
		For Smooth-Flo, Add	*432.32*	
33 42 11 00-0506		Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0366)*		
33 42 11 00-0507		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0506)*		
33 42 11 00-0508	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.33	16.45
		For Bituminous Coated Pipe, Add	*9.38*	
33 42 11 00-0509	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	82.57	17.82
		For Bituminous Coated Pipe, Add	*11.17*	
33 42 11 00-0510	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	92.03	19.19
		For Bituminous Coated Pipe, Add	*12.68*	
33 42 11 00-0511	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	120.76	24.68
		For Bituminous Coated Pipe, Add	*16.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0512	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	153.98	31.15
		For Bituminous Coated Pipe, Add	*20.49*	
33 42 11 00-0513	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	175.74	36.81
		For Bituminous Coated Pipe, Add	*24.16*	
33 42 11 00-0514	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	198.00	42.46
		For Bituminous Coated Pipe, Add	*27.19*	
33 42 11 00-0515	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	236.19	48.13
		For Bituminous Coated Pipe, Add	*33.30*	
33 42 11 00-0516	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	257.69	50.96
		For Bituminous Coated Pipe, Add	*36.36*	

33 42 11 00-0517 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0506)*

33 42 11 00-0518	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	79.04	16.45
		For Bituminous Coated Pipe, Add	*10.85*	
33 42 11 00-0519	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	90.42	17.82
		For Bituminous Coated Pipe, Add	*12.89*	
33 42 11 00-0520	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	100.97	19.19
		For Bituminous Coated Pipe, Add	*14.64*	
33 42 11 00-0521	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	131.86	24.68
		For Bituminous Coated Pipe, Add	*18.77*	
33 42 11 00-0522	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	167.36	31.15
		For Bituminous Coated Pipe, Add	*23.40*	
33 42 11 00-0523	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	191.39	36.81
		For Bituminous Coated Pipe, Add	*27.56*	
33 42 11 00-0524	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	215.87	42.46
		For Bituminous Coated Pipe, Add	*31.08*	
33 42 11 00-0525	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	256.28	48.13
		For Bituminous Coated Pipe, Add	*37.66*	
33 42 11 00-0526	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	280.06	50.96
		For Bituminous Coated Pipe, Add	*41.22*	
33 42 11 00-0527	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	343.61	62.29
		For Bituminous Coated Pipe, Add	*51.20*	
33 42 11 00-0528	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	417.01	90.60
		For Bituminous Coated Pipe, Add	*54.71*	
33 42 11 00-0529	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	450.47	99.10
		For Bituminous Coated Pipe, Add	*58.28*	

33 42 11 00-0530 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0506)*

33 42 11 00-0531	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	154.38	24.68
		For Bituminous Coated Pipe, Add	*19.61*	
33 42 11 00-0532	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	194.27	31.15
		For Bituminous Coated Pipe, Add	*24.23*	
33 42 11 00-0533	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	222.90	36.81
		For Bituminous Coated Pipe, Add	*28.51*	
33 42 11 00-0534	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	251.82	42.46
		For Bituminous Coated Pipe, Add	*32.23*	
33 42 11 00-0535	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	296.78	48.13
		For Bituminous Coated Pipe, Add	*38.47*	
33 42 11 00-0536	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	325.10	50.96
		For Bituminous Coated Pipe, Add	*42.23*	
33 42 11 00-0537	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	393.05	62.29
		For Bituminous Coated Pipe, Add	*51.24*	
33 42 11 00-0538	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	470.88	90.60
		For Bituminous Coated Pipe, Add	*54.94*	
33 42 11 00-0539	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	508.79	99.10
		For Bituminous Coated Pipe, Add	*58.70*	
33 42 11 00-0540	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	542.73	106.17
		For Bituminous Coated Pipe, Add	*62.44*	
33 42 11 00-0541	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	576.62	113.25
		For Bituminous Coated Pipe, Add	*66.17*	
33 42 11 00-0542	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	611.54	120.33
		For Bituminous Coated Pipe, Add	*69.90*	
33 42 11 00-0543	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	648.19	127.41
		For Bituminous Coated Pipe, Add	*73.22*	

33 42 11 00-0544 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0366)*

33 42 11 00-0545 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0544)*

33 42 11 00-0546	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	26.23	8.23
		For Bituminous Coated Pipe, Add	*2.40*	
33 42 11 00-0547	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	28.23	8.23
		For Bituminous Coated Pipe, Add	*2.89*	
33 42 11 00-0548	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	32.88	10.28
		For Bituminous Coated Pipe, Add	*3.17*	
33 42 11 00-0549	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	35.42	10.28
		For Bituminous Coated Pipe, Add	*3.79*	
33 42 11 00-0550	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	41.56	12.33
		For Bituminous Coated Pipe, Add	*3.98*	
33 42 11 00-0551	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	44.78	12.33
		For Bituminous Coated Pipe, Add	*4.77*	

33 42 11 00-0552 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0544)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0553	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	26.51	8.23
		For Bituminous Coated Pipe, Add	*2.36*	
33 42 11 00-0554	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	28.44	8.23
		For Bituminous Coated Pipe, Add	*2.82*	
33 42 11 00-0555	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	33.16	10.28
		For Bituminous Coated Pipe, Add	*3.11*	
33 42 11 00-0556	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	35.85	10.28
		For Bituminous Coated Pipe, Add	*3.74*	
33 42 11 00-0557	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	42.04	12.33
		For Bituminous Coated Pipe, Add	*3.93*	
33 42 11 00-0558	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	45.34	12.33
		For Bituminous Coated Pipe, Add	*4.71*	
33 42 11 00-0559		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0544)*		
33 42 11 00-0560	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.80	
		For Bituminous Coated Pipe, Add	*3.33*	
33 42 11 00-0561	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.59	
		For Bituminous Coated Pipe, Add	*4.41*	
33 42 11 00-0562	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.02	
		For Bituminous Coated Pipe, Add	*5.40*	
33 42 11 00-0563	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	53.37	
		For Bituminous Coated Pipe, Add	*7.37*	
33 42 11 00-0564	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	12.44	
		For Bituminous Coated Pipe, Add	*1.68*	
33 42 11 00-0565	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	15.67	
		For Bituminous Coated Pipe, Add	*2.52*	
33 42 11 00-0566		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0366)*		
33 42 11 00-0567		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0566)*		
33 42 11 00-0568	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	79.84	14.39
33 42 11 00-0569	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	93.86	15.08
33 42 11 00-0570	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	108.33	16.45
33 42 11 00-0571	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	125.77	17.82
33 42 11 00-0572	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	140.24	19.19
33 42 11 00-0573	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	183.66	24.68
33 42 11 00-0574	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	234.00	31.15
33 42 11 00-0575	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	270.74	36.81
33 42 11 00-0576	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	303.88	42.46
33 42 11 00-0577		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0566)*		
33 42 11 00-0578	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	90.65	14.39
33 42 11 00-0579	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	107.25	15.08
33 42 11 00-0580	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	124.37	16.45
33 42 11 00-0581	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	144.35	17.82
33 42 11 00-0582	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	161.81	19.19
33 42 11 00-0583	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	210.14	24.68
33 42 11 00-0584	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	265.96	31.15
33 42 11 00-0585	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	307.42	36.81
33 42 11 00-0586	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	345.74	42.46
33 42 11 00-0587	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	418.50	48.13
33 42 11 00-0588		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0566)*		
33 42 11 00-0589	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	157.80	16.45
33 42 11 00-0590	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	183.37	17.82
33 42 11 00-0591	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	206.18	19.19
33 42 11 00-0592	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	265.58	24.68
33 42 11 00-0593	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	318.89	31.15
33 42 11 00-0594	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	384.97	36.81
33 42 11 00-0595	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	434.23	42.46
33 42 11 00-0596	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	519.48	48.13
33 42 11 00-0597	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	567.65	50.96
33 42 11 00-0598	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	695.15	62.29
33 42 11 00-0599		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0566)*		
33 42 11 00-0600	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	393.25	31.15
33 42 11 00-0601	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	455.61	36.81
33 42 11 00-0602	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	514.48	42.46
33 42 11 00-0603	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	609.36	48.13
33 42 11 00-0604	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	667.72	50.96
33 42 11 00-0605	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	805.05	62.29
33 42 11 00-0606	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	912.54	90.60
33 42 11 00-0607		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0366)*		
33 42 11 00-0608		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0607)*		
33 42 11 00-0609	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	295.37	31.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0610	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	341.50	36.81
33 42 11 00-0611	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	383.21	42.46
33 42 11 00-0612	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	463.62	48.13
33 42 11 00-0613	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	504.82	50.96
33 42 11 00-0614	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	642.55	62.29
33 42 11 00-0615	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	734.65	90.60
33 42 11 00-0616	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	786.54	99.10
33 42 11 00-0617	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	834.67	106.17
33 42 11 00-0618	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	882.86	113.25
33 42 11 00-0619	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	931.92	120.33
33 42 11 00-0620	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	985.18	127.41
33 42 11 00-0621		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0607)*		
33 42 11 00-0622	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	521.41	48.13
33 42 11 00-0623	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	568.70	50.96
33 42 11 00-0624	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	712.91	62.29
33 42 11 00-0625	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	811.17	90.60
33 42 11 00-0626	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	869.31	99.10
33 42 11 00-0627	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	923.93	106.17
33 42 11 00-0628	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	978.19	113.25
33 42 11 00-0629	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,033.45	120.33
33 42 11 00-0630	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,093.01	127.41
33 42 11 00-0631	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,155.67	141.56
33 42 11 00-0632	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,217.01	155.72
33 42 11 00-0633		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0607)*		
33 42 11 00-0634	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	714.02	50.96
33 42 11 00-0635	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	874.58	62.29
33 42 11 00-0636	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	986.86	90.60
33 42 11 00-0637	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,059.08	99.10
33 42 11 00-0638	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,127.72	106.17
33 42 11 00-0639	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,196.08	113.25
33 42 11 00-0640	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,265.55	120.33
33 42 11 00-0641	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,339.10	127.41
33 42 11 00-0642	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,415.66	141.56
33 42 11 00-0643	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,491.30	155.72
33 42 11 00-0644	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,565.78	169.88
33 42 11 00-0645		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0607)*		
33 42 11 00-0646	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,146.94	90.60
33 42 11 00-0647	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,232.21	99.10
33 42 11 00-0648	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,314.00	106.17
33 42 11 00-0649	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,395.46	113.25
33 42 11 00-0650	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,478.10	120.33
33 42 11 00-0651	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,564.79	127.41
33 42 11 00-0652	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,654.50	141.56
33 42 11 00-0653	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,743.20	155.72
33 42 11 00-0654	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,830.82	169.88
33 42 11 00-0655	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,920.74	184.03
33 42 11 00-0656	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,014.58	198.19
33 42 11 00-0657	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,112.77	212.35
33 42 11 00-0658		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0366)*		
33 42 11 00-0659		**16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0658)*		
33 42 11 00-0660	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	370.75	42.46
33 42 11 00-0661	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	449.90	48.13
33 42 11 00-0662	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	489.11	50.96
33 42 11 00-0663	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	613.35	62.29
33 42 11 00-0664	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	703.06	90.60
33 42 11 00-0665	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	752.46	99.10
33 42 11 00-0666	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	797.78	106.17
33 42 11 00-0667	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	843.00	113.25
33 42 11 00-0668	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	889.71	120.33
33 42 11 00-0669	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	941.22	127.41
33 42 11 00-0670		**14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0658)*		
33 42 11 00-0671	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	518.55	48.13
33 42 11 00-0672	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	565.56	50.96
33 42 11 00-0673	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	696.73	62.29
33 42 11 00-0674	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	793.16	90.60
33 42 11 00-0675	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	850.69	99.10
33 42 11 00-0676	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	903.66	106.17
33 42 11 00-0677	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	952.71	113.25
33 42 11 00-0678	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,010.56	120.33
33 42 11 00-0679	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,068.47	127.41
33 42 11 00-0680	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,129.17	141.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0681	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,190.33	155.72
33 42 11 00-0682		**12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0658)*		
33 42 11 00-0683	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	718.79	50.96
33 42 11 00-0684	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	866.26	62.29
33 42 11 00-0685	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	978.70	90.60
33 42 11 00-0686	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,050.32	99.10
33 42 11 00-0687	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,117.65	106.17
33 42 11 00-0688	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,185.83	113.25
33 42 11 00-0689	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,254.63	120.33
33 42 11 00-0690	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,327.11	127.41
33 42 11 00-0691	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,403.46	141.56
33 42 11 00-0692	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,478.84	155.72
33 42 11 00-0693	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,552.40	169.88
33 42 11 00-0694		**10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0658)*		
33 42 11 00-0695	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,146.87	90.60
33 42 11 00-0696	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,234.14	99.10
33 42 11 00-0697	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,316.21	106.17
33 42 11 00-0698	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,397.62	113.25
33 42 11 00-0699	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,480.66	120.33
33 42 11 00-0700	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,567.20	127.41
33 42 11 00-0701	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,657.31	141.56
33 42 11 00-0702	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,746.81	155.72
33 42 11 00-0703	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,834.24	169.88
33 42 11 00-0704	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,945.92	184.03
33 42 11 00-0705	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,045.52	198.19
33 42 11 00-0706	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,152.17	212.35
33 42 11 00-0707		**Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0365)*		
33 42 11 00-0708		**2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0707)*		
33 42 11 00-0709		**16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0708)*		
33 42 11 00-0710	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	58.34	15.08
		For Bituminous Coated Pipe, Add	*6.82*	
		For Bituminous Coated And 25% Paved, Add	*16.48*	
		For Smooth-Flo, Add	*27.19*	
33 42 11 00-0711	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	64.79	16.45
		For Bituminous Coated Pipe, Add	*8.14*	
		For Bituminous Coated And 25% Paved, Add	*19.69*	
		For Smooth-Flo, Add	*32.47*	
33 42 11 00-0712	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	73.99	17.82
		For Bituminous Coated Pipe, Add	*9.80*	
		For Bituminous Coated And 25% Paved, Add	*23.69*	
		For Smooth-Flo, Add	*39.08*	
33 42 11 00-0713	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	82.94	19.19
		For Bituminous Coated Pipe, Add	*11.29*	
		For Bituminous Coated And 25% Paved, Add	*27.30*	
		For Smooth-Flo, Add	*45.03*	
33 42 11 00-0714	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	108.21	24.68
		For Bituminous Coated Pipe, Add	*14.34*	
		For Bituminous Coated And 25% Paved, Add	*34.68*	
		For Smooth-Flo, Add	*57.20*	
33 42 11 00-0715	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	140.34	31.15
		For Bituminous Coated Pipe, Add	*18.50*	
		For Bituminous Coated And 25% Paved, Add	*44.72*	
		For Smooth-Flo, Add	*73.76*	
33 42 11 00-0716		**14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0708)*		
33 42 11 00-0717	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	63.86	15.08
		For Bituminous Coated Pipe, Add	*7.07*	
		For Bituminous Coated And 25% Paved, Add	*16.55*	
		For Smooth-Flo, Add	*27.14*	
33 42 11 00-0718	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	71.55	16.45
		For Bituminous Coated Pipe, Add	*8.48*	
		For Bituminous Coated And 25% Paved, Add	*19.85*	
		For Smooth-Flo, Add	*32.55*	
33 42 11 00-0719	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	81.53	17.82
		For Bituminous Coated Pipe, Add	*10.08*	
		For Bituminous Coated And 25% Paved, Add	*23.59*	
		For Smooth-Flo, Add	*38.69*	
33 42 11 00-0720	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	91.67	19.19
		For Bituminous Coated Pipe, Add	*11.63*	
		For Bituminous Coated And 25% Paved, Add	*27.20*	
		For Smooth-Flo, Add	*44.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0721	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	119.10	24.68
		For Bituminous Coated Pipe, Add	*14.73*	
		For Bituminous Coated And 25% Paved, Add	*34.45*	
		For Smooth-Flo, Add	*56.50*	
33 42 11 00-0722	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	153.31	31.15
		For Bituminous Coated Pipe, Add	*18.76*	
		For Bituminous Coated And 25% Paved, Add	*43.89*	
		For Smooth-Flo, Add	*71.98*	
33 42 11 00-0723	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	176.00	36.81
		For Bituminous Coated Pipe, Add	*22.34*	
		For Bituminous Coated And 25% Paved, Add	*52.28*	
		For Smooth-Flo, Add	*85.74*	
33 42 11 00-0724		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0708)*		
33 42 11 00-0725	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	91.72	16.99
		For Bituminous Coated Pipe, Add	*9.18*	
		For Bituminous Coated And 25% Paved, Add	*20.42*	
		For Smooth-Flo, Add	*31.41*	
33 42 11 00-0726	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.64	18.40
		For Bituminous Coated Pipe, Add	*10.89*	
		For Bituminous Coated And 25% Paved, Add	*24.22*	
		For Smooth-Flo, Add	*37.25*	
33 42 11 00-0727	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	117.46	19.82
		For Bituminous Coated Pipe, Add	*12.48*	
		For Bituminous Coated And 25% Paved, Add	*27.78*	
		For Smooth-Flo, Add	*42.72*	
33 42 11 00-0728	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	151.84	25.48
		For Bituminous Coated Pipe, Add	*15.72*	
		For Bituminous Coated And 25% Paved, Add	*34.98*	
		For Smooth-Flo, Add	*53.79*	
33 42 11 00-0729	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	179.75	31.15
		For Bituminous Coated Pipe, Add	*19.67*	
		For Bituminous Coated And 25% Paved, Add	*43.77*	
		For Smooth-Flo, Add	*67.30*	
33 42 11 00-0730	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	206.53	36.81
		For Bituminous Coated Pipe, Add	*23.26*	
		For Bituminous Coated And 25% Paved, Add	*51.77*	
		For Smooth-Flo, Add	*79.60*	
33 42 11 00-0731	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	240.77	42.46
		For Bituminous Coated Pipe, Add	*27.59*	
		For Bituminous Coated And 25% Paved, Add	*61.39*	
		For Smooth-Flo, Add	*94.40*	
33 42 11 00-0732	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	269.35	48.13
		For Bituminous Coated Pipe, Add	*30.46*	
		For Bituminous Coated And 25% Paved, Add	*67.79*	
		For Smooth-Flo, Add	*104.25*	
33 42 11 00-0733		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0708)*		
33 42 11 00-0734	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	204.65	31.15
		For Bituminous Coated Pipe, Add	*23.70*	
		For Bituminous Coated And 25% Paved, Add	*49.89*	
		For Smooth-Flo, Add	*62.92*	
33 42 11 00-0735	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	235.56	36.81
		For Bituminous Coated Pipe, Add	*27.96*	
		For Bituminous Coated And 25% Paved, Add	*58.86*	
		For Smooth-Flo, Add	*74.22*	
33 42 11 00-0736	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	273.67	42.46
		For Bituminous Coated Pipe, Add	*32.89*	
		For Bituminous Coated And 25% Paved, Add	*69.25*	
		For Smooth-Flo, Add	*87.33*	
33 42 11 00-0737	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	306.54	48.13
		For Bituminous Coated Pipe, Add	*36.47*	
		For Bituminous Coated And 25% Paved, Add	*76.78*	
		For Smooth-Flo, Add	*96.83*	
33 42 11 00-0738	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	335.79	50.96
		For Bituminous Coated Pipe, Add	*40.04*	
		For Bituminous Coated And 25% Paved, Add	*84.29*	
		For Smooth-Flo, Add	*106.30*	
33 42 11 00-0739		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0707)*		
33 42 11 00-0740		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0739)*		
33 42 11 00-0741	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	268.99	48.13
		For Bituminous Coated Pipe, Add	*35.15*	
		For Bituminous Coated And 25% Paved, Add	*106.84*	
		For Smooth-Flo, Add	*119.50*	
33 42 11 00-0742	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	293.95	50.96
		For Bituminous Coated Pipe, Add	*38.46*	
		For Bituminous Coated And 25% Paved, Add	*116.92*	
		For Smooth-Flo, Add	*130.77*	
33 42 11 00-0743	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	363.50	62.29
		For Bituminous Coated Pipe, Add	*48.31*	
		For Bituminous Coated And 25% Paved, Add	*146.86*	
		For Smooth-Flo, Add	*164.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0744	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	439.12	90.60
		For Bituminous Coated Pipe, Add	*51.79*	
		For Bituminous Coated And 25% Paved, Add	*157.44*	
		For Smooth-Flo, Add	*176.09*	
33 42 11 00-0745	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	475.42	99.10
		For Bituminous Coated Pipe, Add	*55.45*	
		For Bituminous Coated And 25% Paved, Add	*168.56*	
		For Smooth-Flo, Add	*188.52*	
33 42 11 00-0746	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	507.96	106.17
		For Bituminous Coated Pipe, Add	*59.12*	
		For Bituminous Coated And 25% Paved, Add	*179.74*	
		For Smooth-Flo, Add	*201.02*	
33 42 11 00-0747	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	540.41	113.25
		For Bituminous Coated Pipe, Add	*62.78*	
		For Bituminous Coated And 25% Paved, Add	*190.86*	
		For Smooth-Flo, Add	*213.46*	
33 42 11 00-0748	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	573.83	120.33
		For Bituminous Coated Pipe, Add	*66.43*	
		For Bituminous Coated And 25% Paved, Add	*201.94*	
		For Smooth-Flo, Add	*225.86*	
33 42 11 00-0749		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0739)*		
33 42 11 00-0750	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	351.19	50.96
		For Bituminous Coated Pipe, Add	*49.91*	
		For Bituminous Coated And 25% Paved, Add	*130.76*	
		For Smooth-Flo, Add	*154.72*	
33 42 11 00-0751	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	426.98	62.29
		For Bituminous Coated Pipe, Add	*61.00*	
		For Bituminous Coated And 25% Paved, Add	*159.83*	
		For Smooth-Flo, Add	*189.11*	
33 42 11 00-0752	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	508.23	90.60
		For Bituminous Coated Pipe, Add	*65.61*	
		For Bituminous Coated And 25% Paved, Add	*171.90*	
		For Smooth-Flo, Add	*203.40*	
33 42 11 00-0753	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	550.12	99.10
		For Bituminous Coated Pipe, Add	*70.39*	
		For Bituminous Coated And 25% Paved, Add	*184.41*	
		For Smooth-Flo, Add	*218.20*	
33 42 11 00-0754	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	588.23	106.17
		For Bituminous Coated Pipe, Add	*75.18*	
		For Bituminous Coated And 25% Paved, Add	*196.97*	
		For Smooth-Flo, Add	*233.05*	
33 42 11 00-0755	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	626.31	113.25
		For Bituminous Coated Pipe, Add	*79.96*	
		For Bituminous Coated And 25% Paved, Add	*209.50*	
		For Smooth-Flo, Add	*247.88*	
33 42 11 00-0756	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	665.31	120.33
		For Bituminous Coated Pipe, Add	*84.72*	
		For Bituminous Coated And 25% Paved, Add	*221.98*	
		For Smooth-Flo, Add	*262.64*	
33 42 11 00-0757	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	708.47	127.41
		For Bituminous Coated Pipe, Add	*89.54*	
		For Bituminous Coated And 25% Paved, Add	*234.59*	
		For Smooth-Flo, Add	*277.57*	
33 42 11 00-0758	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	754.74	141.56
		For Bituminous Coated Pipe, Add	*94.32*	
		For Bituminous Coated And 25% Paved, Add	*247.12*	
		For Smooth-Flo, Add	*292.40*	
33 42 11 00-0759	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	802.81	155.72
		For Bituminous Coated Pipe, Add	*99.58*	
		For Bituminous Coated And 25% Paved, Add	*260.90*	
		For Smooth-Flo, Add	*308.70*	
33 42 11 00-0760		**10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0739)*		
33 42 11 00-0761	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	572.44	90.60
		For Bituminous Coated Pipe, Add	*78.45*	
		For Bituminous Coated And 25% Paved, Add	*186.72*	
		For Smooth-Flo, Add	*202.80*	
33 42 11 00-0762	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	619.64	99.10
		For Bituminous Coated Pipe, Add	*84.29*	
		For Bituminous Coated And 25% Paved, Add	*200.61*	
		For Smooth-Flo, Add	*217.89*	
33 42 11 00-0763	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	663.03	106.17
		For Bituminous Coated Pipe, Add	*90.14*	
		For Bituminous Coated And 25% Paved, Add	*214.53*	
		For Smooth-Flo, Add	*233.01*	
33 42 11 00-0764	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	706.27	113.25
		For Bituminous Coated Pipe, Add	*95.95*	
		For Bituminous Coated And 25% Paved, Add	*228.37*	
		For Smooth-Flo, Add	*248.04*	
33 42 11 00-0765	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	750.60	120.33
		For Bituminous Coated Pipe, Add	*101.78*	
		For Bituminous Coated And 25% Paved, Add	*242.24*	
		For Smooth-Flo, Add	*263.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0766	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	798.97	127.41
		For Bituminous Coated Pipe, Add	*107.64*	
		For Bituminous Coated And 25% Paved, Add	*256.18*	
		For Smooth-Flo, Add	*278.24*	
33 42 11 00-0767	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	850.51	141.56
		For Bituminous Coated Pipe, Add	*113.48*	
		For Bituminous Coated And 25% Paved, Add	*270.07*	
		For Smooth-Flo, Add	*293.34*	
33 42 11 00-0768	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	903.44	155.72
		For Bituminous Coated Pipe, Add	*119.71*	
		For Bituminous Coated And 25% Paved, Add	*284.90*	
		For Smooth-Flo, Add	*309.44*	
33 42 11 00-0769	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	960.83	169.88
		For Bituminous Coated Pipe, Add	*127.18*	
		For Bituminous Coated And 25% Paved, Add	*302.70*	
		For Smooth-Flo, Add	*328.77*	

33 42 11 00-0770 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0707)*

33 42 11 00-0771 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0770)*

33 42 11 00-0772	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	514.53	90.60
		For Bituminous Coated Pipe, Add	*66.87*	
		For Bituminous Coated And 25% Paved, Add	*163.17*	
		For Smooth-Flo, Add	*207.64*	
33 42 11 00-0773	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	555.80	99.10
		For Bituminous Coated Pipe, Add	*71.52*	
		For Bituminous Coated And 25% Paved, Add	*174.51*	
		For Smooth-Flo, Add	*222.08*	
33 42 11 00-0774	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	592.93	106.17
		For Bituminous Coated Pipe, Add	*76.12*	
		For Bituminous Coated And 25% Paved, Add	*185.73*	
		For Smooth-Flo, Add	*236.35*	
33 42 11 00-0775	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	630.08	113.25
		For Bituminous Coated Pipe, Add	*80.72*	
		For Bituminous Coated And 25% Paved, Add	*196.95*	
		For Smooth-Flo, Add	*250.62*	
33 42 11 00-0776	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	668.41	120.33
		For Bituminous Coated Pipe, Add	*85.34*	
		For Bituminous Coated And 25% Paved, Add	*208.24*	
		For Smooth-Flo, Add	*264.99*	
33 42 11 00-0777	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	711.06	127.41
		For Bituminous Coated Pipe, Add	*90.06*	
		For Bituminous Coated And 25% Paved, Add	*219.74*	
		For Smooth-Flo, Add	*279.62*	
33 42 11 00-0778	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	756.81	141.56
		For Bituminous Coated Pipe, Add	*94.74*	
		For Bituminous Coated And 25% Paved, Add	*231.16*	
		For Smooth-Flo, Add	*294.16*	
33 42 11 00-0779	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	807.93	155.72
		For Bituminous Coated Pipe, Add	*100.60*	
		For Bituminous Coated And 25% Paved, Add	*245.47*	
		For Smooth-Flo, Add	*312.38*	

33 42 11 00-0780 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0770)*

33 42 11 00-0781	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	585.61	90.60
		For Bituminous Coated Pipe, Add	*81.09*	
		For Bituminous Coated And 25% Paved, Add	*183.26*	
		For Smooth-Flo, Add	*199.07*	
33 42 11 00-0782	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	632.56	99.10
		For Bituminous Coated Pipe, Add	*86.87*	
		For Bituminous Coated And 25% Paved, Add	*196.34*	
		For Smooth-Flo, Add	*213.28*	
33 42 11 00-0783	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	675.48	106.17
		For Bituminous Coated Pipe, Add	*92.63*	
		For Bituminous Coated And 25% Paved, Add	*209.34*	
		For Smooth-Flo, Add	*227.40*	
33 42 11 00-0784	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	718.57	113.25
		For Bituminous Coated Pipe, Add	*98.41*	
		For Bituminous Coated And 25% Paved, Add	*222.42*	
		For Smooth-Flo, Add	*241.61*	
33 42 11 00-0785	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	761.70	120.33
		For Bituminous Coated Pipe, Add	*104.00*	
		For Bituminous Coated And 25% Paved, Add	*235.04*	
		For Smooth-Flo, Add	*255.32*	
33 42 11 00-0786	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	810.91	127.41
		For Bituminous Coated Pipe, Add	*110.03*	
		For Bituminous Coated And 25% Paved, Add	*248.66*	
		For Smooth-Flo, Add	*270.11*	
33 42 11 00-0787	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	862.54	141.56
		For Bituminous Coated Pipe, Add	*115.88*	
		For Bituminous Coated And 25% Paved, Add	*261.89*	
		For Smooth-Flo, Add	*284.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0788	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	919.50	155.72
		For Bituminous Coated Pipe, Add	*122.92*	
		For Bituminous Coated And 25% Paved, Add	*277.79*	
		For Smooth-Flo, Add	*301.76*	
33 42 11 00-0789	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	972.72	169.88
		For Bituminous Coated Pipe, Add	*129.56*	
		For Bituminous Coated And 25% Paved, Add	*292.81*	
		For Smooth-Flo, Add	*318.07*	
33 42 11 00-0790		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0707)*		
33 42 11 00-0791		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0790)*		
33 42 11 00-0792	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	93.95	15.08
33 42 11 00-0793	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	107.36	16.45
33 42 11 00-0794	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	125.35	17.82
33 42 11 00-0795	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	142.21	19.19
33 42 11 00-0796	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.71	24.68
33 42 11 00-0797	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	238.42	31.15
33 42 11 00-0798		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0790)*		
33 42 11 00-0799	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	106.67	15.08
33 42 11 00-0800	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	122.88	16.45
33 42 11 00-0801	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	142.69	17.82
33 42 11 00-0802	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	162.37	19.19
33 42 11 00-0803	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	208.77	24.68
33 42 11 00-0804	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	268.22	31.15
33 42 11 00-0805	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	313.19	36.81
33 42 11 00-0806		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0790)*		
33 42 11 00-0807	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	160.96	16.45
33 42 11 00-0808	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	187.79	17.82
33 42 11 00-0809	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	213.44	19.19
33 42 11 00-0810	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	272.50	24.68
33 42 11 00-0811	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	345.21	31.15
33 42 11 00-0812	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	402.84	36.81
33 42 11 00-0813	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	475.17	42.46
33 42 11 00-0814	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	527.50	48.13
33 42 11 00-0815		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0790)*		
33 42 11 00-0816	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	405.60	31.15
33 42 11 00-0817	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	473.30	36.81
33 42 11 00-0818	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	555.04	42.46
33 42 11 00-0819	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	617.80	48.13
33 42 11 00-0820	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	676.81	50.96
33 42 11 00-0821		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0707)*		
33 42 11 00-0822		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0821)*		
33 42 11 00-0823	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	532.75	48.13
33 42 11 00-0824	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	582.04	50.96
33 42 11 00-0825	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	728.39	62.29
33 42 11 00-0826	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	829.77	90.60
33 42 11 00-0827	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	893.18	99.10
33 42 11 00-0828	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	952.92	106.17
33 42 11 00-0829	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,012.40	113.25
33 42 11 00-0830	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,073.04	120.33
33 42 11 00-0831		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0821)*		
33 42 11 00-0832	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	727.64	50.96
33 42 11 00-0833	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	890.48	62.29
33 42 11 00-0834	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,006.17	90.60
33 42 11 00-0835	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,083.65	99.10
33 42 11 00-0836	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,157.52	106.17
33 42 11 00-0837	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,231.30	113.25
33 42 11 00-0838	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,305.93	120.33
33 42 11 00-0839	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,384.94	127.41
33 42 11 00-0840	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,466.92	141.56
33 42 11 00-0841	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,554.27	155.72
33 42 11 00-0842		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0821)*		
33 42 11 00-0843	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,166.21	90.60
33 42 11 00-0844	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,256.92	99.10
33 42 11 00-0845	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,344.01	106.17
33 42 11 00-0846	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,430.65	113.25
33 42 11 00-0847	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,518.45	120.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0848	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,610.56	127.41
33 42 11 00-0849	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,705.71	141.56
33 42 11 00-0850	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,805.08	155.72
33 42 11 00-0851	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,918.27	169.88
33 42 11 00-0852		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0707)*		
33 42 11 00-0853		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0852)*		
33 42 11 00-0854	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	991.78	90.60
33 42 11 00-0855	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,065.66	99.10
33 42 11 00-0856	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,135.04	106.17
33 42 11 00-0857	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,204.34	113.25
33 42 11 00-0858	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,275.08	120.33
33 42 11 00-0859	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,350.75	127.41
33 42 11 00-0860	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,429.26	141.56
33 42 11 00-0861	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,521.47	155.72
33 42 11 00-0862		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0852)*		
33 42 11 00-0863	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,162.47	90.60
33 42 11 00-0864	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,249.90	99.10
33 42 11 00-0865	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,333.13	106.17
33 42 11 00-0866	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,416.75	113.25
33 42 11 00-0867	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,499.14	120.33
33 42 11 00-0868	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,590.45	127.41
33 42 11 00-0869	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,683.16	141.56
33 42 11 00-0870	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,789.58	155.72
33 42 11 00-0871	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,889.07	169.88
33 42 11 00-0872		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0365)*		
33 42 11 00-0873		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0872)*		
33 42 11 00-0874		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0873)*		
33 42 11 00-0875	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.01	14.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.14*	
33 42 11 00-0876	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.57	15.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.77*	
33 42 11 00-0877	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.42	16.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.49*	
33 42 11 00-0878	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.45	17.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.51*	
33 42 11 00-0879	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.19	19.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.85*	
33 42 11 00-0880	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	117.55	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.04*	
33 42 11 00-0881	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.52	31.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.12*	
33 42 11 00-0882	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.97	36.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.36*	
33 42 11 00-0883	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.25	42.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.22*	
33 42 11 00-0884		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0873)*		
33 42 11 00-0885	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.49	14.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.63*	
33 42 11 00-0886	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.34	15.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.09*	
33 42 11 00-0887	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.48	16.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.61*	
33 42 11 00-0888	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.80	17.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.38*	
33 42 11 00-0889	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.04	19.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.67*	
33 42 11 00-0890	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.83	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.27*	
33 42 11 00-0891	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.58	31.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.66*	
33 42 11 00-0892	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	190.46	36.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.29*	
33 42 11 00-0893	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.32	42.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.90*	
33 42 11 00-0894	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.80	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.52*	
33 42 11 00-0895		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0873)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0896	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.42	16.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.62*	
33 42 11 00-0897	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.58	17.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.11*	
33 42 11 00-0898	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.51	19.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.26*	
33 42 11 00-0899	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	158.88	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.28*	
33 42 11 00-0900	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.41	31.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.89*	
33 42 11 00-0901	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	229.67	36.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.88*	
33 42 11 00-0902	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.05	42.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.21*	
33 42 11 00-0903	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	307.89	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.15*	
33 42 11 00-0904	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	336.31	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.45*	
33 42 11 00-0905	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	410.56	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.05*	

33 42 11 00-0906 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0873)*

33 42 11 00-0907	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.84	31.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.64*	
33 42 11 00-0908	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.26	36.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.09*	
33 42 11 00-0909	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	299.45	42.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.88*	
33 42 11 00-0910	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	353.19	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.91*	
33 42 11 00-0911	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	386.72	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.74*	
33 42 11 00-0912	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	465.93	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.04*	
33 42 11 00-0913	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	548.93	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.80*	

33 42 11 00-0914 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0872)*

33 42 11 00-0915 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0914)*

33 42 11 00-0916	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	174.43	31.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.93*	
33 42 11 00-0917	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	199.35	36.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.55*	
33 42 11 00-0918	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	224.03	42.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.95*	
33 42 11 00-0919	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	267.60	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.02*	
33 42 11 00-0920	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	291.58	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.48*	
33 42 11 00-0921	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	365.93	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*85.39*	
33 42 11 00-0922	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	440.20	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.01*	
33 42 11 00-0923	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	474.34	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.65*	
33 42 11 00-0924	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.66	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.31*	
33 42 11 00-0925	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	534.98	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*107.97*	
33 42 11 00-0926	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	566.29	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*113.61*	
33 42 11 00-0927	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	601.65	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.30*	

33 42 11 00-0928 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0914)*

33 42 11 00-0929	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	295.08	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.88*	
33 42 11 00-0930	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.95	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*57.72*	
33 42 11 00-0931	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	399.35	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.68*	
33 42 11 00-0932	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	476.62	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.67*	
33 42 11 00-0933	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	513.70	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.66*	
33 42 11 00-0934	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	547.12	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.71*	
33 42 11 00-0935	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	580.34	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.71*	
33 42 11 00-0936	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	614.59	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0937	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	652.89	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.73*	
33 42 11 00-0938	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	694.41	141.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*107.76*	
33 42 11 00-0939	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	735.04	155.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.69*	

33 42 11 00-0940 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0914)

33 42 11 00-0941	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	389.46	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.42*	
33 42 11 00-0942	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	474.09	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.72*	
33 42 11 00-0943	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.87	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.60*	
33 42 11 00-0944	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	601.56	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.51*	
33 42 11 00-0945	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	641.49	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.44*	
33 42 11 00-0946	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	681.32	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*122.35*	
33 42 11 00-0947	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	722.13	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.24*	
33 42 11 00-0948	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	767.00	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.17*	
33 42 11 00-0949	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	815.02	141.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.08*	
33 42 11 00-0950	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	862.27	155.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*149.93*	
33 42 11 00-0951	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	908.04	169.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.86*	

33 42 11 00-0952 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0914)

33 42 11 00-0953	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	633.65	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.71*	
33 42 11 00-0954	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	683.44	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*133.44*	
33 42 11 00-0955	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	729.61	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.25*	
33 42 11 00-0956	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	775.59	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.00*	
33 42 11 00-0957	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	822.71	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*159.78*	
33 42 11 00-0958	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	873.82	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*168.59*	
33 42 11 00-0959	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	927.99	141.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*177.34*	
33 42 11 00-0960	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	981.44	155.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*186.05*	
33 42 11 00-0961	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,033.46	169.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*194.85*	
33 42 11 00-0962	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,088.02	184.03
		For 1/2 Bituminous Coated And 25% Paved, Add	*203.59*	
33 42 11 00-0963	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,146.23	198.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*212.38*	
33 42 11 00-0964	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,208.79	212.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*221.19*	

33 42 11 00-0965 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0872)

33 42 11 00-0966 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0965)*

33 42 11 00-0967	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	224.91	42.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.89*	
33 42 11 00-0968	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	269.20	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.83*	
33 42 11 00-0969	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.97	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.46*	
33 42 11 00-0970	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	362.83	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.81*	
33 42 11 00-0971	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	436.74	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.58*	
33 42 11 00-0972	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	470.46	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.35*	
33 42 11 00-0973	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	500.21	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.07*	
33 42 11 00-0974	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	529.87	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.75*	
33 42 11 00-0975	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	560.87	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.57*	
33 42 11 00-0976	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.12	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0977		14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0965)*		
33 42 11 00-0978	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	303.55	48.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.50*	
33 42 11 00-0979	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.25	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.07*	
33 42 11 00-0980	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	404.51	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.07*	
33 42 11 00-0981	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	481.84	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.57*	
33 42 11 00-0982	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	519.59	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.28*	
33 42 11 00-0983	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	553.16	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.88*	
33 42 11 00-0984	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	584.78	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.82*	
33 42 11 00-0985	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	621.25	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.05*	
33 42 11 00-0986	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	659.76	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.65*	
33 42 11 00-0987	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	701.33	141.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.19*	
33 42 11 00-0988	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	742.79	155.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.88*	
33 42 11 00-0989		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0965)*		
33 42 11 00-0990	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	402.79	50.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.13*	
33 42 11 00-0991	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	483.39	62.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.37*	
33 42 11 00-0992	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	568.20	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.98*	
33 42 11 00-0993	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	612.57	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*118.51*	
33 42 11 00-0994	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	652.91	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*126.00*	
33 42 11 00-0995	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	693.62	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*133.60*	
33 42 11 00-0996	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	735.10	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*141.12*	
33 42 11 00-0997	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	780.48	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.63*	
33 42 11 00-0998	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	829.33	141.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.21*	
33 42 11 00-0999	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	877.45	155.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*163.75*	
33 42 11 00-1000	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	923.80	169.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*171.28*	
33 42 11 00-1001		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0965)*		
33 42 11 00-1002	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	650.90	90.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*134.63*	
33 42 11 00-1003	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	702.96	99.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.36*	
33 42 11 00-1004	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	750.48	106.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.91*	
33 42 11 00-1005	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	797.70	113.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*163.36*	
33 42 11 00-1006	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	846.21	120.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*172.89*	
33 42 11 00-1007	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	898.46	127.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*182.38*	
33 42 11 00-1008	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	954.13	141.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*191.91*	
33 42 11 00-1009	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,009.17	155.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*201.42*	
33 42 11 00-1010	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,062.29	169.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*210.89*	
33 42 11 00-1011	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,128.83	184.03
		For 1/2 Bituminous Coated And 25% Paved, Add	*223.40*	
33 42 11 00-1012	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,191.07	198.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*233.70*	
33 42 11 00-1013	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,259.00	212.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*244.40*	
33 42 11 00-1014		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0872)*		
33 42 11 00-1015		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1014)*		
33 42 11 00-1016	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	79.66	16.45
33 42 11 00-1017	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	91.14	17.82
33 42 11 00-1018	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.85	19.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1019	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	133.00	24.68
33 42 11 00-1020	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	168.65	31.15
33 42 11 00-1021	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	192.89	36.81
33 42 11 00-1022	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	217.58	42.46
33 42 11 00-1023	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	258.25	48.13
33 42 11 00-1024	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	282.17	50.96
33 42 11 00-1025		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1014)*		
33 42 11 00-1026	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.62	16.45
33 42 11 00-1027	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	100.44	17.82
33 42 11 00-1028	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	112.39	19.19
33 42 11 00-1029	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	146.17	24.68
33 42 11 00-1030	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	184.50	31.15
33 42 11 00-1031	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	211.44	36.81
33 42 11 00-1032	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	238.75	42.46
33 42 11 00-1033	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	282.06	48.13
33 42 11 00-1034	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	308.72	50.96
33 42 11 00-1035	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	375.43	62.29
33 42 11 00-1036	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	451.67	90.60
33 42 11 00-1037	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	487.97	99.10
33 42 11 00-1038		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1014)*		
33 42 11 00-1039	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	172.88	24.68
33 42 11 00-1040	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	216.48	31.15
33 42 11 00-1041	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.89	36.81
33 42 11 00-1042	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	281.47	42.46
33 42 11 00-1043	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	330.10	48.13
33 42 11 00-1044	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	362.19	50.96
33 42 11 00-1045	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	434.11	62.29
33 42 11 00-1046	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	515.62	90.60
33 42 11 00-1047	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	557.24	99.10
33 42 11 00-1048	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	594.85	106.17
33 42 11 00-1049	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	632.51	113.25
33 42 11 00-1050	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	671.05	120.33
33 42 11 00-1051	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	711.00	127.41
33 42 11 00-1052		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0365)*		
33 42 11 00-1053		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1052)*		
33 42 11 00-1054		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1053)*		
33 42 11 00-1055	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	64.43	15.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.50*	
33 42 11 00-1056	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	72.07	16.45
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.71*	
33 42 11 00-1057	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	82.72	17.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.71*	
33 42 11 00-1058	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	93.02	19.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.33*	
33 42 11 00-1059	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	121.02	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*34.71*	
33 42 11 00-1060	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	156.87	31.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*44.77*	
33 42 11 00-1061		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1053)*		
33 42 11 00-1062	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	71.20	15.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.10*	
33 42 11 00-1063	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	80.28	16.45
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.48*	
33 42 11 00-1064	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	91.97	17.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.37*	
33 42 11 00-1065	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	103.71	19.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.10*	
33 42 11 00-1066	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	134.34	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.59*	
33 42 11 00-1067	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	172.73	31.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.33*	
33 42 11 00-1068	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	199.14	36.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*54.00*	
33 42 11 00-1069		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1053)*		
33 42 11 00-1070	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	97.02	16.45
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.76*	
33 42 11 00-1071	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	111.80	17.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1072	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	126.18	19.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*25.60*	
33 42 11 00-1073	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	162.39	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.30*	
33 42 11 00-1074	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	206.61	31.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*40.62*	
33 42 11 00-1075	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	238.66	36.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*48.14*	
33 42 11 00-1076	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	279.67	42.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*57.33*	
33 42 11 00-1077	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	311.92	48.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*63.19*	
33 42 11 00-1078		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1053)*		
33 42 11 00-1079	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	237.04	31.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*42.75*	
33 42 11 00-1080	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	274.14	36.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*50.52*	
33 42 11 00-1081	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	319.90	42.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*59.65*	
33 42 11 00-1082	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	357.42	48.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*66.04*	
33 42 11 00-1083	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	391.32	50.96
		For 1/2 Bituminous Coated And 40% Paved, Add	*72.42*	
33 42 11 00-1084		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1052)*		
33 42 11 00-1085		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1084)*		
33 42 11 00-1086	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	300.50	48.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.92*	
33 42 11 00-1087	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	328.41	50.96
		For 1/2 Bituminous Coated And 40% Paved, Add	*103.86*	
33 42 11 00-1088	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	406.79	62.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*130.45*	
33 42 11 00-1089	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	485.50	90.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*139.84*	
33 42 11 00-1090	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	525.11	99.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*149.73*	
33 42 11 00-1091	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	560.91	106.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*159.65*	
33 42 11 00-1092	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	596.61	113.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*169.51*	
33 42 11 00-1093	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	633.39	120.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*179.40*	
33 42 11 00-1094		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1084)*		
33 42 11 00-1095	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	395.97	50.96
		For 1/2 Bituminous Coated And 40% Paved, Add	*118.03*	
33 42 11 00-1096	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	481.69	62.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*144.25*	
33 42 11 00-1097	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	567.07	90.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*155.15*	
33 42 11 00-1098	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	613.19	99.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*166.42*	
33 42 11 00-1099	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	655.64	106.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*177.76*	
33 42 11 00-1100	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	698.01	113.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*189.08*	
33 42 11 00-1101	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	741.30	120.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*200.34*	
33 42 11 00-1102	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	788.75	127.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*211.72*	
33 42 11 00-1103	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	839.30	141.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*223.02*	
33 42 11 00-1104	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	892.12	155.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*235.47*	
33 42 11 00-1105		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1084)*		
33 42 11 00-1106	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	642.79	90.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*167.93*	
33 42 11 00-1107	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	695.21	99.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*180.42*	
33 42 11 00-1108	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	743.87	106.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*192.95*	
33 42 11 00-1109	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	792.33	113.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*205.40*	
33 42 11 00-1110	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	846.05	120.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*219.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1111	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	895.52	127.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*230.41*	
33 42 11 00-1112	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	952.32	141.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*242.92*	
33 42 11 00-1113	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,010.78	155.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*256.23*	
33 42 11 00-1114	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,074.89	169.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*272.24*	

33 42 11 00-1115 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1052)*

33 42 11 00-1116 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1115)*

33 42 11 00-1117	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	574.71	90.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*152.69*	
33 42 11 00-1118	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	620.16	99.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.30*	
33 42 11 00-1119	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	661.48	106.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*173.82*	
33 42 11 00-1120	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	702.76	113.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*184.31*	
33 42 11 00-1121	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	745.22	120.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*194.87*	
33 42 11 00-1122	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	792.10	127.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*205.62*	
33 42 11 00-1123	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	842.09	141.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*216.32*	
33 42 11 00-1124	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	898.48	155.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*229.71*	

33 42 11 00-1125 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1115)*

33 42 11 00-1126	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	658.60	90.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*169.36*	
33 42 11 00-1127	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	710.76	99.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*181.45*	
33 42 11 00-1128	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	758.85	106.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*193.46*	
33 42 11 00-1129	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	807.15	113.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*205.55*	
33 42 11 00-1130	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	855.35	120.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*217.24*	
33 42 11 00-1131	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	909.93	127.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*229.80*	
33 42 11 00-1132	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	966.89	141.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*242.05*	
33 42 11 00-1133	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,030.15	155.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*256.73*	
33 42 11 00-1134	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,089.35	169.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*270.61*	

33 42 11 00-1135 Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0365)*

33 42 11 00-1136 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1135)*

33 42 11 00-1137 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1136)*

33 42 11 00-1138	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	32.79	8.23
		For Bituminous Coated Pipe, Add	*3.14*	
33 42 11 00-1139	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	42.14	10.28
		For Bituminous Coated Pipe, Add	*4.26*	
33 42 11 00-1140	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.54	12.33
		For Bituminous Coated Pipe, Add	*5.61*	

33 42 11 00-1141 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1136)*

33 42 11 00-1142	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	36.39	8.23
		For Bituminous Coated Pipe, Add	*3.11*	
33 42 11 00-1143	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	47.23	10.28
		For Bituminous Coated Pipe, Add	*4.26*	
33 42 11 00-1144	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	61.33	12.33
		For Bituminous Coated Pipe, Add	*5.62*	

33 42 11 00-1145 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1135)*

33 42 11 00-1146 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1145)*

33 42 11 00-1147	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	63.29	14.39
		For Bituminous Coated Pipe, Add	*6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1148	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	72.85	15.08
		For Bituminous Coated Pipe, Add	*7.75*	
33 42 11 00-1149	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	83.00	16.45
		For Bituminous Coated Pipe, Add	*9.42*	
33 42 11 00-1150	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	95.39	17.82
		For Bituminous Coated Pipe, Add	*11.24*	
33 42 11 00-1151	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	106.49	19.19
		For Bituminous Coated Pipe, Add	*12.75*	
33 42 11 00-1152		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1145)*		
33 42 11 00-1153	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	71.01	14.39
		For Bituminous Coated Pipe, Add	*6.04*	
33 42 11 00-1154	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	82.68	15.08
		For Bituminous Coated Pipe, Add	*7.60*	
33 42 11 00-1155	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	94.78	16.45
		For Bituminous Coated Pipe, Add	*9.22*	
33 42 11 00-1156	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	109.06	17.82
		For Bituminous Coated Pipe, Add	*10.94*	
33 42 11 00-1157	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	122.18	19.19
		For Bituminous Coated Pipe, Add	*12.43*	
33 42 11 00-1158	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	159.02	24.68
		For Bituminous Coated Pipe, Add	*15.94*	
33 42 11 00-1159	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	200.86	31.15
		For Bituminous Coated Pipe, Add	*19.82*	
33 42 11 00-1160		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1145)*		
33 42 11 00-1161	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	152.16	19.19
		For Bituminous Coated Pipe, Add	*11.80*	
33 42 11 00-1162	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	196.35	24.68
		For Bituminous Coated Pipe, Add	*15.01*	
33 42 11 00-1163	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	245.70	31.15
		For Bituminous Coated Pipe, Add	*18.50*	
33 42 11 00-1164	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	283.34	36.81
		For Bituminous Coated Pipe, Add	*21.76*	
33 42 11 00-1165	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	320.45	42.46
		For Bituminous Coated Pipe, Add	*24.63*	
33 42 11 00-1166	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	376.96	48.13
		For Bituminous Coated Pipe, Add	*29.22*	
33 42 11 00-1167		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1145)*		
33 42 11 00-1168	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	293.49	31.15
		For Bituminous Coated Pipe, Add	*18.19*	
33 42 11 00-1169	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	339.01	36.81
		For Bituminous Coated Pipe, Add	*21.36*	
33 42 11 00-1170	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	384.26	42.46
		For Bituminous Coated Pipe, Add	*24.24*	
33 42 11 00-1171	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	448.74	48.13
		For Bituminous Coated Pipe, Add	*28.44*	
33 42 11 00-1172	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	493.36	50.96
		For Bituminous Coated Pipe, Add	*31.34*	
33 42 11 00-1173		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1135)*		
33 42 11 00-1174		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1173)*		
33 42 11 00-1175	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	156.58	24.68
33 42 11 00-1176	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	197.81	31.15
33 42 11 00-1177	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	226.48	36.81
33 42 11 00-1178	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	256.48	42.46
33 42 11 00-1179	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	302.86	48.13
33 42 11 00-1180		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1173)*		
33 42 11 00-1181	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	176.25	24.68
33 42 11 00-1182	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	225.87	31.15
33 42 11 00-1183	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	259.05	36.81
33 42 11 00-1184	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	292.02	42.46
33 42 11 00-1185	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	344.49	48.13
33 42 11 00-1186	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	376.67	50.96
33 42 11 00-1187	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	458.17	62.29
33 42 11 00-1188	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	540.44	90.60
33 42 11 00-1189	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	582.59	99.10
33 42 11 00-1190		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1173)*		
33 42 11 00-1191	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	222.16	24.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1192	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	277.49	31.15
33 42 11 00-1193	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	320.74	36.81
33 42 11 00-1194	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	362.78	42.46
33 42 11 00-1195	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	423.92	48.13
33 42 11 00-1196	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	464.63	50.96
33 42 11 00-1197	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	554.64	62.29
33 42 11 00-1198	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	645.65	90.60
33 42 11 00-1199	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	696.39	99.10
33 42 11 00-1200	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	743.41	106.17
33 42 11 00-1201	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	790.30	113.25
33 42 11 00-1202	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	838.22	120.33
33 42 11 00-1203		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1173)*		
33 42 11 00-1204	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	557.14	50.96
33 42 11 00-1205	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	652.50	62.29
33 42 11 00-1206	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	752.29	90.60
33 42 11 00-1207	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	811.83	99.10
33 42 11 00-1208	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	867.49	106.17
33 42 11 00-1209	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	923.15	113.25
33 42 11 00-1210	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	979.78	120.33
33 42 11 00-1211	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,040.53	127.41
33 42 11 00-1212	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,104.39	141.56
33 42 11 00-1213		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1135)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1214		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1213)*		
33 42 11 00-1215	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.47	16.45
33 42 11 00-1216	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	117.74	17.82
33 42 11 00-1217	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.67	19.19
33 42 11 00-1218	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	163.59	21.93
33 42 11 00-1219	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	183.52	24.68
33 42 11 00-1220	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	204.55	27.41
33 42 11 00-1221		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1213)*		
33 42 11 00-1222	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	126.10	16.45
33 42 11 00-1223	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.64	17.82
33 42 11 00-1224	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.04	19.19
33 42 11 00-1225	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	188.70	21.93
33 42 11 00-1226	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	211.36	24.68
33 42 11 00-1227	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.23	27.41
33 42 11 00-1228	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.05	31.15
33 42 11 00-1229	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.72	36.81
33 42 11 00-1230	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	344.80	42.46
33 42 11 00-1231		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1213)*		
33 42 11 00-1232	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.80	24.68
33 42 11 00-1233	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	295.00	27.41
33 42 11 00-1234	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	329.35	31.15
33 42 11 00-1235	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	380.97	36.81
33 42 11 00-1236	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	431.94	42.46
33 42 11 00-1237	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	597.00	48.13
33 42 11 00-1238	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	657.03	50.96
33 42 11 00-1239		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1213)*		
33 42 11 00-1240	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	609.48	42.46
33 42 11 00-1241	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	706.46	48.13
33 42 11 00-1242	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	778.79	50.96
33 42 11 00-1243	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	904.89	62.29
33 42 11 00-1244	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,025.66	90.60
33 42 11 00-1245	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,107.16	99.10
33 42 11 00-1246	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,184.13	106.17
33 42 11 00-1247		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0365)*		
33 42 11 00-1248		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1247)*		
33 42 11 00-1249		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1248)*		
33 42 11 00-1250	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.36	15.08
		For Bituminous Coated Pipe, Add	*7.76*	
33 42 11 00-1251	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	86.32	16.45
		For Bituminous Coated Pipe, Add	*9.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1252	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	99.18	17.82
		For Bituminous Coated Pipe, Add	*11.04*	
33 42 11 00-1253		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1248)*		
33 42 11 00-1254	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	86.21	15.08
		For Bituminous Coated Pipe, Add	*7.74*	
33 42 11 00-1255	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	95.78	16.45
		For Bituminous Coated Pipe, Add	*8.92*	
33 42 11 00-1256	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	112.85	17.82
		For Bituminous Coated Pipe, Add	*10.95*	
33 42 11 00-1257	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	127.31	19.19
		For Bituminous Coated Pipe, Add	*12.56*	
33 42 11 00-1258	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	164.14	24.68
		For Bituminous Coated Pipe, Add	*15.89*	
33 42 11 00-1259		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1248)*		
33 42 11 00-1260	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	157.32	19.19
		For Bituminous Coated Pipe, Add	*11.97*	
33 42 11 00-1261	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	201.56	24.68
		For Bituminous Coated Pipe, Add	*15.10*	
33 42 11 00-1262	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	254.51	31.15
		For Bituminous Coated Pipe, Add	*18.85*	
33 42 11 00-1263	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	294.94	36.81
		For Bituminous Coated Pipe, Add	*22.29*	
33 42 11 00-1264		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1248)*		
33 42 11 00-1265	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	302.23	31.15
		For Bituminous Coated Pipe, Add	*18.19*	
33 42 11 00-1266	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	350.70	36.81
		For Bituminous Coated Pipe, Add	*21.45*	
33 42 11 00-1267	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	407.74	42.46
		For Bituminous Coated Pipe, Add	*25.14*	
33 42 11 00-1268	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	456.46	48.13
		For Bituminous Coated Pipe, Add	*27.97*	
33 42 11 00-1269		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1247)*		
33 42 11 00-1270		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1269)*		
33 42 11 00-1271	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	352.21	48.13
33 42 11 00-1272	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	385.64	50.96
33 42 11 00-1273	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	469.26	62.29
33 42 11 00-1274		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1269)*		
33 42 11 00-1275	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	431.63	48.13
33 42 11 00-1276	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	473.60	50.96
33 42 11 00-1277	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	565.33	62.29
33 42 11 00-1278	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	657.15	90.60
33 42 11 00-1279	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	708.71	99.10
33 42 11 00-1280	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	756.55	106.17
33 42 11 00-1281		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1269)*		
33 42 11 00-1282	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	565.98	50.96
33 42 11 00-1283	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	662.80	62.29
33 42 11 00-1284	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	763.38	90.60
33 42 11 00-1285	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	823.73	99.10
33 42 11 00-1286	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	880.21	106.17
33 42 11 00-1287	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	936.65	113.25
33 42 11 00-1288		Corrugated Steel Pipe Fittings *(33 42 11 00-0365)*		
		Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1289		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 42 11 00-1288)*		
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1290	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	141.73	
33 42 11 00-1291	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	177.74	
33 42 11 00-1292	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	213.75	
33 42 11 00-1293	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	252.02	
33 42 11 00-1294	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	305.99	
33 42 11 00-1295	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	359.97	
33 42 11 00-1296	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	413.98	
33 42 11 00-1297	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	467.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1298	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	609.72	
33 42 11 00-1299	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	726.69	
33 42 11 00-1300	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	843.70	
33 42 11 00-1301	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	1,091.19	
33 42 11 00-1302	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,230.69	
33 42 11 00-1303	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,374.69	
33 42 11 00-1304	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,523.17	
33 42 11 00-1305	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,856.15	
33 42 11 00-1306	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	2,024.87	
33 42 11 00-1307	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	2,198.11	
33 42 11 00-1308	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,697.58	
33 42 11 00-1309	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,895.60	
33 42 11 00-1310	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	3,095.83	
33 42 11 00-1311	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	3,296.05	
33 42 11 00-1312	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	3,494.04	
33 42 11 00-1313	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	3,694.29	
33 42 11 00-1314	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	3,905.40	
33 42 11 00-1315	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	4,128.59	
33 42 11 00-1316	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	4,364.49	

33 42 11 00-1317 Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1288)*

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1318	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	184.50	
33 42 11 00-1319	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	236.24	
33 42 11 00-1320	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	287.95	
33 42 11 00-1321	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	339.74	
33 42 11 00-1322	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	413.98	
33 42 11 00-1323	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	490.44	
33 42 11 00-1324	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	567.00	
33 42 11 00-1325	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	643.43	
33 42 11 00-1326	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	843.70	
33 42 11 00-1327	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,005.69	
33 42 11 00-1328	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,169.92	
33 42 11 00-1329	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,518.64	
33 42 11 00-1330	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,709.89	
33 42 11 00-1331	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,907.86	
33 42 11 00-1332	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,110.36	
33 42 11 00-1333	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,573.82	
33 42 11 00-1334	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,803.35	
33 42 11 00-1335	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	3,037.31	
33 42 11 00-1336	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	3,736.98	
33 42 11 00-1337	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	4,004.74	
33 42 11 00-1338	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	4,272.47	
33 42 11 00-1339	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	4,542.43	
33 42 11 00-1340	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	4,812.45	
33 42 11 00-1341	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	5,080.14	
33 42 11 00-1342	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	5,362.76	
33 42 11 00-1343	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	5,661.10	
33 42 11 00-1344	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	5,975.99	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1345		Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1288)*		
		Note: Applied to pipe tasks.		
33 42 11 00-1346	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	72.06	
33 42 11 00-1347	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	90.64	
33 42 11 00-1348	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	114.02	
33 42 11 00-1349	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	139.61	
33 42 11 00-1350	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	176.67	
33 42 11 00-1351	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	216.33	
33 42 11 00-1352	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	253.39	
33 42 11 00-1353	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	294.40	
33 42 11 00-1354	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	361.60	
33 42 11 00-1355	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	431.13	
33 42 11 00-1356	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	514.42	
33 42 11 00-1357	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	632.79	
33 42 11 00-1358	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	716.24	
33 42 11 00-1359	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	806.61	
33 42 11 00-1360	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	978.18	
33 42 11 00-1361	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,084.76	
33 42 11 00-1362	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,323.52	
33 42 11 00-1363	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,441.77	
33 42 11 00-1364	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,566.98	
33 42 11 00-1365	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,689.75	
33 42 11 00-1366	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,814.92	
33 42 11 00-1367	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,942.38	
33 42 11 00-1368	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,067.60	
33 42 11 00-1369	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,192.74	
33 42 11 00-1370	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,325.46	
33 42 11 00-1371	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,466.17	
33 42 11 00-1372	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,615.43	
33 42 11 00-1373		Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1288)*		
33 42 11 00-1374	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	17.98	
		For Bituminous Coated, Add	*5.21*	
33 42 11 00-1375	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	23.86	
		For Bituminous Coated, Add	*6.92*	
33 42 11 00-1376	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	30.06	
		For Bituminous Coated, Add	*8.72*	
33 42 11 00-1377	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	49.90	
		For Bituminous Coated, Add	*14.47*	
33 42 11 00-1378	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	62.92	
		For Bituminous Coated, Add	*18.25*	
33 42 11 00-1379	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	92.31	
		For Bituminous Coated, Add	*26.77*	
33 42 11 00-1380	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	109.56	
		For Bituminous Coated, Add	*31.77*	
33 42 11 00-1381	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	124.23	
		For Bituminous Coated, Add	*36.03*	
33 42 11 00-1382	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	214.99	
		For Bituminous Coated, Add	*62.35*	
33 42 11 00-1383	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	343.97	
		For Bituminous Coated, Add	*82.55*	
33 42 11 00-1384	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	404.15	
		For Bituminous Coated, Add	*97.00*	
33 42 11 00-1385	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	452.86	
		For Bituminous Coated, Add	*108.69*	
33 42 11 00-1386	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	642.23	
		For Bituminous Coated, Add	*154.14*	
33 42 11 00-1387	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	918.58	
		For Bituminous Coated, Add	*165.34*	
33 42 11 00-1388	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,128.92	
		For Bituminous Coated, Add	*203.21*	
33 42 11 00-1389	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,450.16	
		For Bituminous Coated, Add	*203.02*	
33 42 11 00-1390	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,551.04	
		For Bituminous Coated, Add	*217.15*	
33 42 11 00-1391	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,652.50	
		For Bituminous Coated, Add	*231.35*	
33 42 11 00-1392	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,753.43	
		For Bituminous Coated, Add	*245.48*	
33 42 11 00-1393	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,854.62	
		For Bituminous Coated, Add	*259.65*	
33 42 11 00-1394	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,956.07	
		For Bituminous Coated, Add	*273.85*	
33 42 11 00-1395	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,057.06	
		For Bituminous Coated, Add	*287.99*	
33 42 11 00-1396	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,436.36	
		For Bituminous Coated, Add	*292.36*	
33 42 11 00-1397	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,258.87	
		For Bituminous Coated, Add	*271.06*	
33 42 11 00-1398	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,359.55	
		For Bituminous Coated, Add	*283.15*	
33 42 11 00-1399	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,460.95	
		For Bituminous Coated, Add	*295.31*	
33 42 11 00-1400	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,562.45	
		For Bituminous Coated, Add	*307.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 **Precast Reinforced Concrete Box Culvert** *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0749 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	491.60	70.78
		For Each LF Of Cut-Off Section, Add	*19.66*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	548.96	70.78
		For Each LF Of Cut-Off Section, Add	*21.96*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	641.61	70.78
		For Each LF Of Cut-Off Section, Add	*25.66*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	772.23	88.48
		For Each LF Of Cut-Off Section, Add	*30.89*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	789.88	88.48
		For Each LF Of Cut-Off Section, Add	*31.60*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	798.71	88.48
		For Each LF Of Cut-Off Section, Add	*31.95*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	823.95	92.01
		For Each LF Of Cut-Off Section, Add	*32.96*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	828.37	92.01
		For Each LF Of Cut-Off Section, Add	*33.13*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	907.78	92.01
		For Each LF Of Cut-Off Section, Add	*36.31*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	938.15	106.17
		For Each LF Of Cut-Off Section, Add	*37.53*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	1,020.17	144.39
		For Each LF Of Cut-Off Section, Add	*40.81*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	912.19	92.01
		For Each LF Of Cut-Off Section, Add	*36.49*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	942.56	106.17
		For Each LF Of Cut-Off Section, Add	*37.70*	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	955.80	106.17
		For Each LF Of Cut-Off Section, Add	*38.23*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,160.57	141.56
		For Each LF Of Cut-Off Section, Add	*46.42*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,164.10	141.56
		For Each LF Of Cut-Off Section, Add	*46.56*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,299.16	176.95
		For Each LF Of Cut-Off Section, Add	*51.97*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,274.40	141.56
		For Each LF Of Cut-Off Section, Add	*50.98*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,363.58	176.95
		For Each LF Of Cut-Off Section, Add	*54.54*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,367.99	176.95
		For Each LF Of Cut-Off Section, Add	*54.72*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,641.53	176.95
		For Each LF Of Cut-Off Section, Add	*65.66*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,735.12	212.35
		For Each LF Of Cut-Off Section, Add	*69.40*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,752.77	212.35
		For Each LF Of Cut-Off Section, Add	*70.11*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,757.18	212.35
		For Each LF Of Cut-Off Section, Add	*70.29*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,763.36	212.35
		For Each LF Of Cut-Off Section, Add	*70.53*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,846.36	247.74
		For Each LF Of Cut-Off Section, Add	*73.85*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,846.36	247.74
		For Each LF Of Cut-Off Section, Add	*73.85*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,846.36	247.74
		For Each LF Of Cut-Off Section, Add	*73.85*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,846.36	247.74
		For Each LF Of Cut-Off Section, Add	*73.85*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,645.86	283.13
		For Each LF Of Cut-Off Section, Add	*105.83*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,616.50	283.13
		For Each LF Of Cut-Off Section, Add	*144.66*	

33 42 13 13-0033 **Precast Reinforced Concrete Box Culvert For Roadways** *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0749 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,167.08	70.78
		For Each LF Of Cut-Off Section, Add	*46.68*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,251.84	70.78
		For Each LF Of Cut-Off Section, Add	*50.07*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,401.83	70.78
		For Each LF Of Cut-Off Section, Add	*56.07*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,589.77	88.48
		For Each LF Of Cut-Off Section, Add	*63.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,739.77	88.48
		For Each LF Of Cut-Off Section, Add	*69.59*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,889.77	88.48
		For Each LF Of Cut-Off Section, Add	*75.59*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,747.37	92.01
		For Each LF Of Cut-Off Section, Add	*69.89*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,897.37	92.01
		For Each LF Of Cut-Off Section, Add	*75.89*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,197.37	92.01
		For Each LF Of Cut-Off Section, Add	*87.89*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,077.74	106.17
		For Each LF Of Cut-Off Section, Add	*83.11*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,459.72	144.39
		For Each LF Of Cut-Off Section, Add	*98.39*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,897.37	92.01
		For Each LF Of Cut-Off Section, Add	*75.89*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,077.74	106.17
		For Each LF Of Cut-Off Section, Add	*83.11*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,227.74	106.17
		For Each LF Of Cut-Off Section, Add	*89.11*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,453.64	141.56
		For Each LF Of Cut-Off Section, Add	*98.15*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,603.64	141.56
		For Each LF Of Cut-Off Section, Add	*104.15*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,979.58	176.95
		For Each LF Of Cut-Off Section, Add	*119.18*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,628.19	141.56
		For Each LF Of Cut-Off Section, Add	*105.13*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,024.72	176.95
		For Each LF Of Cut-Off Section, Add	*120.99*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,992.08	176.95
		For Each LF Of Cut-Off Section, Add	*119.68*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,170.19	176.95
		For Each LF Of Cut-Off Section, Add	*126.81*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,424.24	212.35
		For Each LF Of Cut-Off Section, Add	*136.97*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,602.35	212.35
		For Each LF Of Cut-Off Section, Add	*144.09*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,780.49	212.35
		For Each LF Of Cut-Off Section, Add	*151.22*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,958.60	212.35
		For Each LF Of Cut-Off Section, Add	*158.34*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,973.93	247.74
		For Each LF Of Cut-Off Section, Add	*158.96*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,176.39	247.74
		For Each LF Of Cut-Off Section, Add	*167.06*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,581.37	247.74
		For Each LF Of Cut-Off Section, Add	*183.25*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,986.36	247.74
		For Each LF Of Cut-Off Section, Add	*199.45*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,962.26	283.13
		For Each LF Of Cut-Off Section, Add	*238.49*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,492.18	283.13
		For Each LF Of Cut-Off Section, Add	*299.69*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0003	EA	12" Pipe, Precast Concrete Headwall	1,028.25	246.73
33 42 23 00-0004	EA	15" Pipe, Precast Concrete Headwall	1,069.36	260.44
33 42 23 00-0005	EA	18" Pipe, Precast Concrete Headwall	1,179.37	296.07
33 42 23 00-0006	EA	24" Pipe, Precast Concrete Headwall	1,299.39	315.26
33 42 23 00-0007	EA	30" Pipe, Precast Concrete Headwall	1,711.25	370.09
33 42 23 00-0008	EA	36" Pipe, Precast Concrete Headwall	1,931.25	383.80
33 42 23 00-0009	EA	42" Pipe, Precast Concrete Headwall	2,477.64	436.87
33 42 23 00-0010	EA	48" Pipe, Precast Concrete Headwall	2,728.44	481.31
33 42 23 00-0011	EA	54" Pipe, Precast Concrete Headwall	3,005.30	509.63
33 42 23 00-0012	EA	60" Pipe, Precast Concrete Headwall	3,399.35	509.63
33 42 23 00-0013	EA	72" Pipe, Precast Concrete Headwall	4,074.20	637.04
33 42 23 00-0014	EA	84" Pipe, Precast Concrete Headwall	5,714.93	764.44

33 42 23 00-0015 Precast Concrete Wingwalls *(33 42 23 00-0001)*

33 42 23 00-0016	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,413.78	2,522.67
33 42 23 00-0017	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,838.47	2,802.96
33 42 23 00-0018	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,546.29	3,270.13
33 42 23 00-0019	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	8,254.11	3,737.28
33 42 23 00-0020	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	8,254.11	3,737.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0021	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	8,537.25	3,924.15
33 42 23 00-0022	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	13,808.03	4,017.58
33 42 23 00-0023	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	14,232.72	4,297.88
33 42 23 00-0024		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0025	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	4,224.01	990.94
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	374.04	95.95
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	433.40	102.80
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	505.17	109.66
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	610.76	119.94
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	676.37	130.21
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,085.54	147.35
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,397.42	169.88
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,143.08	198.19
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,617.72	226.50
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,118.63	283.13
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,642.25	339.75
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	390.31	95.95
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	450.13	102.80
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	530.89	109.66
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	641.65	119.94
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	711.39	130.21
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,193.08	147.35
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,530.04	169.88
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,434.68	198.19
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,994.02	226.50
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,499.17	283.13
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,847.52	339.75
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,504.90	509.63
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,444.13	679.51
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,019.09	729.05
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,607.99	778.60
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	48.92	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	54.45	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	61.21	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	66.54	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	74.44	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	129.48	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	139.33	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	190.31	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	203.82	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	248.73	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	254.99	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	272.63	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	311.45	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	348.26	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	357.10	
33 42 26 16-0048		Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0049		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	433.40	102.80
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	505.17	109.66
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	610.76	119.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0053		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0054	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	419.35	102.80
33 42 26 16-0055	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	479.19	109.66
33 42 26 16-0056	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	536.38	119.94
33 42 26 16-0057	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	605.34	130.21
33 42 26 16-0058	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	883.05	147.35
33 42 26 16-0059	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,274.81	169.88
33 42 26 16-0060	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,983.01	198.19
33 42 26 16-0061	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,511.05	226.50
33 42 26 16-0062		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0063	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	426.48	102.80
33 42 26 16-0064	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	494.68	109.66
33 42 26 16-0065	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	560.61	119.94
33 42 26 16-0066	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	634.06	130.21
33 42 26 16-0067	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	931.86	147.35
33 42 26 16-0068	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,341.39	169.88
33 42 26 16-0069	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,089.52	198.19
33 42 26 16-0070	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,633.63	226.50
33 42 26 16-0071	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,168.99	283.13
33 42 26 16-0072	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,165.19	339.75
33 42 26 16-0073	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,814.19	509.63
33 42 26 16-0074	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,440.00	679.51
33 42 26 16-0075		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0076	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	54.45	
33 42 26 16-0077	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	61.21	
33 42 26 16-0078	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	66.54	
33 42 26 16-0079	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	74.44	
33 42 26 16-0080	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	129.48	
33 42 26 16-0081	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	139.33	
33 42 26 16-0082	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	190.31	
33 42 26 16-0083	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	211.88	
33 42 26 16-0084	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	248.73	
33 42 26 16-0085	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	258.19	
33 42 26 16-0086	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	298.77	
33 42 26 16-0087	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	340.23	
33 42 26 16-0088		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0088)*		
33 42 26 16-0090	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	563.17	95.95
33 42 26 16-0091	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	648.74	102.80
33 42 26 16-0092	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	768.71	109.66
33 42 26 16-0093	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	952.41	119.94
33 42 26 16-0094	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,242.98	130.21
33 42 26 16-0095	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,862.26	147.35
33 42 26 16-0096	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,520.46	169.88
33 42 26 16-0097	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,139.24	169.88
33 42 26 16-0098	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	4,004.70	198.19
33 42 26 16-0099	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,718.22	226.50
33 42 26 16-0100	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,332.62	283.13
33 42 26 16-0101	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,537.10	339.75
33 42 26 16-0102	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,664.44	509.63
33 42 26 16-0103	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,300.32	679.51
33 42 26 16-0104	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,342.42	729.05
33 42 26 16-0105	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	13,023.12	778.60
33 42 26 16-0106	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,825.78	849.38
33 42 26 16-0107	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,734.69	920.16
33 42 26 16-0108		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0088)*		
33 42 26 16-0109	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	88.15	
33 42 26 16-0110	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	93.46	
33 42 26 16-0111	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	101.41	
33 42 26 16-0112	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	114.18	
33 42 26 16-0113	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	121.12	
33 42 26 16-0114	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	156.86	
33 42 26 16-0115	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	185.38	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	195.71	
33 42 26 16-0117	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	214.69	
33 42 26 16-0118	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	242.68	
33 42 26 16-0119	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	287.02	
33 42 26 16-0120	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	402.22	
33 42 26 16-0121	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	433.05	
33 42 26 16-0122	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	548.37	
33 42 26 16-0123	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	593.38	
33 42 26 16-0124	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	632.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0125	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	673.11	
33 42 26 16-0126	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	714.44	
33 42 26 16-0127		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0128		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0127)*		
33 42 26 16-0129	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	668.74	102.80
33 42 26 16-0130	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	817.46	109.66
33 42 26 16-0131	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	887.75	119.94
33 42 26 16-0132	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	957.97	130.21
33 42 26 16-0133	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,434.75	147.35
33 42 26 16-0134	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,548.90	169.88
33 42 26 16-0135	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,705.78	169.88
33 42 26 16-0136	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,617.75	198.19
33 42 26 16-0137	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,567.54	226.50
33 42 26 16-0138	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,373.53	283.13
33 42 26 16-0139	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,706.27	339.75
33 42 26 16-0140	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,912.02	509.63
33 42 26 16-0141	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,546.33	679.51
33 42 26 16-0142	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,750.02	729.05
33 42 26 16-0143	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,394.58	778.60
33 42 26 16-0144	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,780.17	849.38
33 42 26 16-0145	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,775.74	920.16
33 42 26 16-0146		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0127)*		
33 42 26 16-0147	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	93.46	
33 42 26 16-0148	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	101.41	
33 42 26 16-0149	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	106.95	
33 42 26 16-0150	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	117.14	
33 42 26 16-0151	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	134.14	
33 42 26 16-0152	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	172.31	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	188.79	
33 42 26 16-0154	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	214.69	
33 42 26 16-0155	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	242.68	
33 42 26 16-0156	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	287.02	
33 42 26 16-0157	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	365.57	
33 42 26 16-0158	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	463.74	
33 42 26 16-0159	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	625.07	
33 42 26 16-0160	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	710.14	
33 42 26 16-0161	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	743.61	
33 42 26 16-0162	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	770.84	
33 42 26 16-0163	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	804.21	
33 42 26 16-0164		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0165		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)*		
33 42 26 16-0166	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	860.82	102.80
33 42 26 16-0167	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,108.65	109.66
33 42 26 16-0168	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,357.53	119.94
33 42 26 16-0169	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,624.07	130.21
33 42 26 16-0170	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,718.21	147.35
33 42 26 16-0171	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,235.05	169.88
33 42 26 16-0172	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,540.45	198.19
33 42 26 16-0173		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)* Note: Includes nut and bolt set.		
33 42 26 16-0174	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	613.63	
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,230.75	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,350.61	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,404.12	
33 42 26 16-0178		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)*		
33 42 26 16-0179	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	901.45	102.80
33 42 26 16-0180	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,181.74	109.66
33 42 26 16-0181	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,572.59	119.94
33 42 26 16-0182	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,847.59	130.21
33 42 26 16-0183	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,192.71	147.35
33 42 26 16-0184	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,653.87	169.88
33 42 26 16-0185	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	4,064.47	198.19
33 42 26 16-0186		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)* Note: Includes nut and bolt set.		
33 42 26 16-0187	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,195.10	
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,268.44	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,395.16	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,465.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0191		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0164)*		
33 42 26 16-0192	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	104.23	
33 42 26 16-0193	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	117.03	
33 42 26 16-0194	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	127.38	
33 42 26 16-0195	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	142.24	
33 42 26 16-0196	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	215.59	
33 42 26 16-0197	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	231.41	
33 42 26 16-0198	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	310.54	
33 42 26 16-0199		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0200		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0199)*		
33 42 26 16-0201	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,023.07	109.66
33 42 26 16-0202	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,283.80	119.94
33 42 26 16-0203	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,519.65	130.21
33 42 26 16-0204	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,864.59	147.35
33 42 26 16-0205		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0199)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0206	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	731.18	
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,332.71	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,404.12	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	2,066.99	
33 42 26 16-0210		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0199)*		
33 42 26 16-0211	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	105.36	
33 42 26 16-0212	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	119.57	
33 42 26 16-0213	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	130.34	
33 42 26 16-0214	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	155.26	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High-Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	236.73	82.66
33 42 26 19-0003	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	275.35	92.98
33 42 26 19-0004	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	293.60	99.87
33 42 26 19-0005	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	339.94	110.20
33 42 26 19-0006	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	426.34	130.87
33 42 26 19-0007	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	742.91	148.09
33 42 26 19-0008	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	889.05	165.30
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	799.42	160.78
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	1,067.58	199.02
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,323.69	251.94
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,523.09	301.28
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,628.27	348.71
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	2,037.23	421.86
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,544.26	633.64
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	3,146.49	799.55
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,817.39	1,002.98
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	4,193.28	1,131.09
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,583.60	1,267.00
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,984.17	1,408.56
33 42 26 23-0015		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0016	EA	12" Diameter Pipe, Flared Precast Concrete End Section	986.81	164.92
33 42 26 23-0017	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,190.05	205.55
33 42 26 23-0018	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,447.94	260.20
33 42 26 23-0019	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,658.63	311.16
33 42 26 23-0020	EA	24" Diameter Pipe, Flared Precast Concrete End Section	2,018.10	360.13
33 42 26 23-0021	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,475.66	575.18
33 42 26 23-0022	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,633.34	791.91
33 42 26 23-0023	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,536.89	999.44
33 42 26 23-0024	EA	42" Diameter Pipe, Flared Precast Concrete End Section	4,260.45	1,253.97
33 42 26 23-0025	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,627.12	1,414.22
33 42 26 23-0026	EA	54" Diameter Pipe, Flared Precast Concrete End Section	5,176.12	1,583.96
33 42 26 23-0027	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,736.42	1,759.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Catch Basin *(33 42 31 00-0002)*

Note: Consisting of an SDR 35 pipe body with ductile iron grates. Pedestrian safe grates are available. Basins range in size from 8" to 30". 8" And 10" basin not traffic bearing and limited because of the small size of the basin. 12" And larger basins are much more adaptable allowing pipe penetrations up to the diameter of the basin (i.e. a 12" diameter pipe can fit a 12" basin, two pipes may be attached at 180 degree). Basins will fit high-density polyethylene (HDPE) and other plastic piping. Penetrations are factory installed where specified. Basin is factory sized to accommodate the rim and invert for each location. No grout is required to seal piping, factory specified gaskets are included. No field adjustment to grade is necessary, yet height changes can be accommodated in the field. A concrete collar poured in the field is required for water loading (12" through 30").

33 42 31 00-0004	EA	8" Diameter Fixed 13" High Basin For 4" And 6" Pipe With Ductile Iron Grate	386.42	
33 42 31 00-0005	EA	8" Diameter Basin Up To 3' 6" Rim To Invert Dimension	533.18	
		For Each Additional 1' Or Part, Add	*9.00*	
33 42 31 00-0006	EA	10" Diameter 20" Fixed Height Basin For 4", 6" And 8" Pipe Only	545.32	
33 42 31 00-0007	EA	10" Diameter Basin Up To 3' 6" Rim To Invert Dimension	730.99	
		For Each Additional 1' Or Part, Add	*11.04*	
33 42 31 00-0008	EA	12" Locking Ductile Grate 24" Standard Height	1,312.35	
		For Each Additional 1' Or Part, Add	*18.19*	
33 42 31 00-0009	EA	15" Locking Ductile Grate 30" Standard Height	1,707.33	
		For Each Additional 1' Or Part, Add	*28.90*	
33 42 31 00-0010	EA	18" Locking Ductile Grate 36" Standard Height	1,943.82	
		For Each Additional 1' Or Part, Add	*22.70*	
33 42 31 00-0011	EA	24" Locking Ductile Grate 36" Standard Height	2,838.00	
		For Each Additional 1' Or Part, Add	*38.00*	
33 42 31 00-0012	EA	30" Locking Ductile Grate 48" Standard Height	4,919.01	
		For Each Additional 1' Or Part, Add	*86.00*	

33 42 31 00-0013 Catch Basin Frames And Covers *(33 42 31 00-0001)*

Note: Syracuse Castings

33 42 31 00-0014 Galvanized Welded Steel Frames And Rectangular Or Reticuline Grates *(33 42 31 00-0013)*

33 42 31 00-0015 Galvanized Welded Steel Frames For Rectangular Or Reticuline Grates *(33 42 31 00-0014)*

33 42 31 00-0016	EA	1'-11-15/16" x 2'-3-1/2" Outside Dimension, 54 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #1)	425.01	164.14
33 42 31 00-0017	EA	1'-11-15/16" x 2'-8-1/2" Outside Dimension, 65 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #2)	479.79	194.77
33 42 31 00-0018	EA	1'-11-15/16" x 3-1-1/2" Outside Dimension, 54 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #3)	446.31	164.43
33 42 31 00-0019	EA	1'-11-15/16" x 3'-6-1/2" Outside Dimension, 71 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #4)	529.49	170.70
33 42 31 00-0020	EA	1'-11-15/16" x 3'-11-1/2" Outside Dimension, 76 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #5)	553.34	231.39
33 42 31 00-0021	EA	2'-2-7/16" x 2'-3-1/2" Outside Dimension, 57 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #6)	440.74	173.47
33 42 31 00-0022	EA	2'-2-7/16" x 3'-1-1/2" Outside Dimension, 68 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #7)	506.67	207.02
33 42 31 00-0023	EA	2'-2-7/16" x 3'-11-1/2" Outside Dimension, 79 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #8)	569.07	240.44
33 42 31 00-0024	EA	2'-4-15/16" x 2'-3-1/2" Outside Dimension, 60 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#9)	456.46	182.66
33 42 31 00-0025	EA	2'-4-15/16" x 2'-8-1/2" Outside Dimension, 65 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#10)	490.95	197.84
33 42 31 00-0026	EA	2'-4-15/16" x 3'-1-1/2" Outside Dimension, 71 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#11)	529.49	216.07
33 42 31 00-0027	EA	2'-4-15/16" x 3'-6-1/2" Outside Dimension, 76 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#12)	471.15	164.43
33 42 31 00-0028	EA	2'-4-15/16" x 3'-11-1/2" Outside Dimension, 82 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#13)	584.79	249.63
33 42 31 00-0029	EA	2'-7-7/16" x 2'-8-1/2" Outside Dimension, 68 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #14)	510.22	207.02
33 42 31 00-0030	EA	2'-7-7/16" x 3'-1-1/2" Outside Dimension, 74 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #15)	545.22	225.27
33 42 31 00-0031	EA	2'-7-7/16" x 3'-11-1/2" Outside Dimension, 85 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #16)	604.06	258.68
33 42 31 00-0032	EA	2'-9-15/16" x 3'-1-1/2" Outside Dimension, 76 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #17)	467.60	164.43
33 42 31 00-0033	EA	3'-0-7/16" x 3'-1-1/2" Outside Dimension, 79 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #18)	576.17	240.44
33 42 31 00-0034	EA	3'-2-15/16" x 2'-3-1/2" Outside Dimension, 71 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #19)	522.39	216.07
33 42 31 00-0035	EA	3'-2-15/16" x 2'-8-1/2" Outside Dimension, 76 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #20)	467.60	164.43
33 42 31 00-0036	EA	3'-2-15/16" x 3'-1-1/2" Outside Dimension, 82 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #21)	588.34	249.63
33 42 31 00-0037	EA	3'-2-15/16" x 3'-6-1/2" Outside Dimension, 87 Lb., Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #22)	622.82	264.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0038		**Galvanized Welded Steel Rectangular Grates For Galvanized Welded Steel Frames** *(33 42 31 00-0014)*		
33 42 31 00-0039	EA	1'-10-11/16" x 2'-2-1/2", 79 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #1)	690.87	109.43
33 42 31 00-0040	EA	1'-10-11/16" x 2'-7-1/2", 88 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #2)	751.20	109.43
33 42 31 00-0041	EA	1'-10-11/16" x 3'-0-1/2", 94 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #3)	786.69	109.43
33 42 31 00-0042	EA	1'-10-11/16" x 3'-5-1/2", 109 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #4)	908.34	127.66
33 42 31 00-0043	EA	1'-10-11/16" x 3'-10-1/2", 124 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #5)	1,018.36	127.66
33 42 31 00-0044	EA	2'-1-3/16" x 2'-2-1/2", 91 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #6)	754.75	109.43
33 42 31 00-0045	EA	2'-1-3/16" x 3'-0-1/2", 108 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #7)	901.24	127.66
33 42 31 00-0046	EA	2'-1-3/16" x 3'-10-1/2", 165 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #8)	1,136.46	145.89
33 42 31 00-0047	EA	2'-3-11/16" x 2'-2-1/2", 99 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #9)	786.69	109.43
33 42 31 00-0048	EA	2'-3-11/16" x 2'-7-1/2", 109 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #10)	901.24	127.66
33 42 31 00-0049	EA	2'-3-3/16" x 3'-0-1/2", 117 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #11)	965.12	127.66
33 42 31 00-0050	EA	2'-3-11/16" x 3'-5-1/2", 128 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #12)	1,053.84	127.66
33 42 31 00-0051	EA	2'-3-11/16" x 3'-10-1/2", 180 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #13)	1,232.28	145.89
33 42 31 00-0052	EA	2'-6-3/16" x 2'-7-1/2", 121 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #14)	950.92	127.66
33 42 31 00-0053	EA	2'-6-3/16" x 3'-0-1/2", 130 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #15)	1,007.71	127.66
33 42 31 00-0054	EA	2'-6-3/16" x 3'-10-1/2", 201 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #16)	587.35	164.14
33 42 31 00-0055	EA	2'-8-11/16" x 3'-0-1/2", 145 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #17)	503.75	127.66
33 42 31 00-0056	EA	2'-11-3/16" x 3'-0-1/2", 155 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #18)	547.33	145.89
33 42 31 00-0057	EA	3'-1-11/16" x 2'-2-1/2", 133 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #19)	489.55	127.66
33 42 31 00-0058	EA	3'-1-11/16" x 2'-7-1/2", 146 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #20)	503.75	127.66
33 42 31 00-0059	EA	3'-1-11/16" x 3'-0-1/2", 171 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #21)	547.33	145.89
33 42 31 00-0060	EA	3'-1-11/16" x 3'-5-1/2", 185 Lb., Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #22)	561.52	145.89
33 42 31 00-0061		**Galvanized Steel Reticuline Grates For Galvanized Welded Steel Frames** *(33 42 31 00-0014)*		
33 42 31 00-0062	EA	1'-10-11/16" x 2'-2-1/2", 94 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #1)	747.65	109.43
33 42 31 00-0063	EA	1'-10-11/16" x 2'-7-1/2", 106 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #2)	833.81	127.66
33 42 31 00-0064	EA	1'-10-11/16" x 3'-0-1/2", 118 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #3)	879.94	127.66
33 42 31 00-0065	EA	1'-10-11/16" x 3'-5-1/2", 130 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #4)	915.43	127.66
33 42 31 00-0066	EA	1'-10-11/16" x 3'-10-1/2", 166 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #5)	1,093.87	145.89
33 42 31 00-0067	EA	2'-1-3/16" x 2'-2-1/2", 107 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #6)	837.36	127.66
33 42 31 00-0068	EA	2'-1-3/16" x 3'-0-1/2", 134 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #7)	958.02	127.66
33 42 31 00-0069	EA	2'-1-3/16" x 3'-10-1/2", 191 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #8)	1,228.74	145.89
33 42 31 00-0070	EA	2'-3-11/16" x 2'-2-1/2", 110 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #9)	890.59	127.66
33 42 31 00-0071	EA	2'-3-11/16" x 2'-7-1/2", 132 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #10)	965.12	127.66
33 42 31 00-0072	EA	2'-3-11/16" x 3'-0-1/2", 147 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #11)	1,000.61	127.66
33 42 31 00-0073	EA	2'-3-11/16" x 3'-5-1/2", 161 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #12)	1,118.72	145.89
33 42 31 00-0074	EA	2'-3-11/16" x 3'-10-1/2", 210 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #13)	1,286.50	164.14
33 42 31 00-0075	EA	2'-6-3/16" x 2'-7-1/2", 146 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #14)	1,021.90	127.66
33 42 31 00-0076	EA	2'-6-3/16" x 3'-0-1/2", 162 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #15)	1,104.52	145.89
33 42 31 00-0077	EA	2'-6-3/16" x 3'-10-1/2", 233 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #16)	1,382.32	164.14
33 42 31 00-0078	EA	2'-8-11/16" x 3'-0-1/2", 179 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #17)	1,232.28	145.89
33 42 31 00-0079	EA	2'-11-3/16" x 3'-0-1/2", 193 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #18)	1,246.48	145.89
33 42 31 00-0080	EA	3'-1-11/16" x 2'-2-1/2", 173 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #19)	1,203.89	145.89
33 42 31 00-0081	EA	3'-1-11/16" x 2'-7-1/2", 192 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #20)	1,278.42	145.89
33 42 31 00-0082	EA	3'-1-11/16" x 3'-0-1/2", 211 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #21)	1,368.13	164.14
33 42 31 00-0083	EA	3'-1-11/16" x 3'-5-1/2", 231 Lb., Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #22)	1,428.46	164.14
33 42 31 00-0084		**Galvanized Welded Steel Frames And Parallel Bar Grates** *(33 42 31 00-0013)*		
33 42 31 00-0085		**Galvanized Welded Steel Frames For Parallel Bar Grates** *(33 42 31 00-0084)*		
33 42 31 00-0086	EA	1'-11-7/8" x 3'-1-1/2" Inside Dimension, 84 Lb., Galvanized Welded Steel Frames For Parallel Bar Grates (NYSDOT #10FPCB)	582.25	255.76
33 42 31 00-0087	EA	2'-2-3/8" x 3'-11-1/2" Inside Dimension, 99 Lb., Galvanized Welded Steel Frames For Parallel Bar Grates (NYSDOT #11FPCB)	667.99	301.43
33 42 31 00-0088	EA	2'-9-7/8" x 3'-6-1/2" Inside Dimension, 108 Lb., Galvanized Welded Steel Frames For Parallel Bar Grates (NYSDOT #12FPCB)	722.26	328.70
33 42 31 00-0089		**C150x16 Built-up Channel For Welded Steel Frames** *(33 42 31 00-0084)* Note: For parallel bar grates. Add to price of frame.		
33 42 31 00-0090	EA	C150x16 Built-Up 113 Lb. Channel For NYSDOT #10PCB Frame	1,002.97	355.69
33 42 31 00-0091	EA	C150x16 Built-Up 128 Lb. Channel For NYSDOT #11PCB Frame	1,129.94	389.70
33 42 31 00-0092	EA	C150x16 Built-Up 125 Lb. Channel For NYSDOT #12PCB Frame	1,100.01	380.50
33 42 31 00-0093		**Galvanized Welded Steel Parallel Bar Grates** *(33 42 31 00-0084)*		
33 42 31 00-0094	EA	1'-11-1/2" x 3'-0-3/4" 200 Lb., Galvanized Welded Steel Parallel Bar Grates (NYSDOT #10PCB)	1,073.56	164.14
33 42 31 00-0095	EA	2'-2" x 3'-10-3/4" 280 Lb., Galvanized Welded Steel Parallel Bar Grates (NYSDOT #11PCB)	1,326.52	182.37
33 42 31 00-0096	EA	2'-9-1/2" x 3'-5-3/4" 320 Lb., Galvanized Welded Steel Parallel Bar Grates (NYSDOT #12PCB)	1,551.10	200.61
33 42 31 00-0097		**Cast Curb Inlet Frame With Galvanized Reticuline Grate** *(33 42 31 00-0013)*		
33 42 31 00-0098	EA	2'-5-1/2" x 3'-5-1/2", 263 Lb. Cast Curb Inlet Frame With 2'-1" x 2'-3-1/2", 165 Lb. Galvanized Reticuline Grate (NYSDOT F-1 Frame And G-1 Grate)	4,866.79	875.38
33 42 31 00-0099	EA	3'-3-1/2" x 3'-5-1/2", 315 Lb. Cast Curb Inlet Frame With 2'-1" x 3'-1-1/2", 224 Lb. Galvanized Reticuline Grate (NYSDOT F-2 Frame And G-2 Grate)	5,353.40	948.34
33 42 31 00-0100	EA	4'-1-1/2" x 3'-5-1/2", 339 Lb. Cast Curb Inlet Frame With 2'-1" x 3'-11-1/2", 251 Lb. Galvanized Reticuline Grate (NYSDOT F-3 Frame And G-3 Grate)	6,194.90	1,021.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0101		**Other Frames** *(33 42 31 00-0013)*		
33 42 31 00-0102		**Galvanized Welded Steel Frames For Rectangular And Reticuline Grates** *(33 42 31 00-0101)*		
33 42 31 00-0103	EA	1'-11-15/16 x 3'-1-1/2", 69 Lb., Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #3)	471.34	209.80
33 42 31 00-0104	EA	2'-2-7/16" x 2'-3-1/2", 61 Lb., Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #6)	425.04	185.73
33 42 31 00-0105	EA	2'-4-15/16" x 2'-3-1/2", 64 Lb., Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #9)	440.70	194.77
33 42 31 00-0106	EA	2-4-15/16" x 3'-1-1/2", 75 Lb., Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #11)	506.63	228.33
33 42 31 00-0107	EA	2'-5-7/16" x 3'-11-1/2", 88 Lb., Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #16)	577.20	267.86
33 42 31 00-0108	EA	3'-2-15/16" x 3'-6-1/2", 91 Lb., Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #22)	596.41	276.91
33 42 31 00-0109		**C150x16 Built-up Channel For Welded Steel Frames** *(33 42 31 00-0101)*		
		Note: For rectangular and reticuline grates. Add to price of frame.		
33 42 31 00-0110	EA	C150x16 Built-Up 50 Lb. Channel For NYSDOT #3 Frame	721.09	152.18
33 42 31 00-0111	EA	C150x16 Built-Up 51 Lb. Channel For NYSDOT #6 Frame	718.95	153.20
33 42 31 00-0112	EA	C150x16 Built-Up 52 Lb. Channel For NYSDOT #9 Frame	725.65	158.30
33 42 31 00-0113	EA	C150x16 Built-Up 53 Lb. Channel For NYSDOT #11 Frame	775.85	161.36
33 42 31 00-0114	EA	C150x16 Built-Up 54 Lb. Channel For NYSDOT #16 Frame	925.92	167.49
33 42 31 00-0115	EA	C150x16 Built-Up 55 Lb. Channel For NYSDOT #22 Frame	911.73	167.49
33 42 31 00-0116		**Yard Drain** *(33 42 31 00-0001)*		
33 42 31 00-0117		**Ductile Iron Grates** *(33 42 31 00-0116)*		
		Note: Not for traffic loading.		
33 42 31 00-0118	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	185.65	51.66
33 42 31 00-0119	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	222.85	55.10
33 42 31 00-0120	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	484.29	68.88
33 42 31 00-0121	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	578.87	82.66
33 42 31 00-0122		**Precast Concrete Rectangular Drainage Structure** *(33 42 31 00-0001)*		
		Note: Inside dimensions. Select task with size closest to the desired size. If exactly between two sizes, select the larger size. As manufactured by Binghamton Precast and Supply or equal.		
33 42 31 00-0123		**Standard Drainage Structure Type A, 36" x 36"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0124	EA	Up To 2' High Standard Drainage Structure Type A, 36" x 36"	2,048.88	218.85
33 42 31 00-0125	EA	>2' To 3' High Standard Drainage Structure Type A, 36" x 36"	2,325.08	328.27
33 42 31 00-0126	EA	>3' To 4' High Standard Drainage Structure Type A, 36" x 36"	2,601.28	437.69
33 42 31 00-0127	EA	>4' to 5' High Standard Drainage Structure Type A, 36" x 36"	2,877.49	547.12
33 42 31 00-0128	EA	>5' to 6' High Standard Drainage Structure Type A, 36" x 36"	3,847.18	656.54
33 42 31 00-0129	EA	>6' to 7' High Standard Drainage Structure Type A, 36" x 36"	4,123.38	765.97
33 42 31 00-0130	EA	>7' to 8' High Standard Drainage Structure Type A, 36" x 36"	5,265.14	875.38
33 42 31 00-0131	EA	>8' to 9' High Standard Drainage Structure Type A, 36" x 36"	5,559.59	984.81
33 42 31 00-0132	EA	>9' to 10' High Standard Drainage Structure Type A, 36" x 36"	5,854.04	1,094.23
33 42 31 00-0133	EA	>10' to 11' High Standard Drainage Structure Type A, 36" x 36"	6,148.50	1,203.66
33 42 31 00-0134	EA	>11' to 12' High Standard Drainage Structure Type A, 36" x 36"	6,442.94	1,313.08
33 42 31 00-0135		**Standard Drainage Structure Type B And E, 48" x 36"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0136	EA	Up to 2' High Standard Drainage Structure Type B And E, 48" x 36	2,458.17	237.08
33 42 31 00-0137	EA	>2' to 3' High Standard Drainage Structure Type B And E, 48" x 36"	2,736.78	342.49
33 42 31 00-0138	EA	>3' to 4' High Standard Drainage Structure Type B And E, 48" x 36"	3,032.89	456.66
33 42 31 00-0139	EA	>4' to 5' High Standard Drainage Structure Type B And E, 48" x 36"	3,329.01	570.83
33 42 31 00-0140	EA	>5' to 6' High Standard Drainage Structure Type B And E, 48" x 36"	4,618.43	685.72
33 42 31 00-0141	EA	>6' to 7' High Standard Drainage Structure Type B And E, 48" x 36"	4,914.54	802.43
33 42 31 00-0142	EA	>7' to 8' High Standard Drainage Structure Type B And E, 48" x 36"	5,737.29	911.86
33 42 31 00-0143	EA	>8' to 9' High Standard Drainage Structure Type B And E, 48" x 36"	6,051.65	1,021.28
33 42 31 00-0144	EA	>9' to 10' High Standard Drainage Structure Type B And E, 48" x 36"	6,366.01	1,142.38
33 42 31 00-0145	EA	>10' to 11' High Standard Drainage Structure Type B And E, 48" x 36"	6,680.37	1,254.72
33 42 31 00-0146	EA	>11' to 12' High Standard Drainage Structure Type B And E, 48" x 36"	6,994.75	1,371.44
33 42 31 00-0147		**Standard Drainage Structure Type C And I, 60" x 36"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0148	EA	Up To 2' High Standard Drainage Structure Type C And I, 60" x 36"	3,594.34	240.74
33 42 31 00-0149	EA	>2' to 3' High Standard Drainage Structure Type C And I, 60" x 36"	3,910.68	361.09
33 42 31 00-0150	EA	>3' to 4' High Standard Drainage Structure Type C And I, 60" x 36"	4,227.01	481.46
33 42 31 00-0151	EA	>4' to 5' High Standard Drainage Structure Type C And I, 60" x 36"	4,543.36	601.83
33 42 31 00-0152	EA	>5' to 6' High Standard Drainage Structure Type C And I, 60" x 36"	4,859.68	722.20
33 42 31 00-0153	EA	>6' to 7' High Standard Drainage Structure Type C And I, 60" x 36"	7,136.57	842.55
33 42 31 00-0154	EA	>7' to 8' High Standard Drainage Structure Type C And I, 60" x 36"	9,022.37	962.92
33 42 31 00-0155	EA	>8' to 9' High Standard Drainage Structure Type C And I, 60" x 36"	9,351.75	1,083.29
33 42 31 00-0156	EA	>9' to 10' High Standard Drainage Structure Type C And I, 60" x 36"	9,681.12	1,203.66
33 42 31 00-0157	EA	>10' to 11' High Standard Drainage Structure Type C And I, 60" x 36"	10,010.49	1,324.02
33 42 31 00-0158	EA	>11' to 12' High Standard Drainage Structure Type C And I, 60" x 36"	10,339.87	1,444.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0159		**Standard Drainage Structure Type D And M, 80" x 36"** *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0160	EA	Up To 2' High Standard Drainage Structure Type D And M, 80" x 36"	4,693.45	266.26
33 42 31 00-0161	EA	>2' To 3' High Standard Drainage Structure Type D And M, 80" x 36"	5,043.15	399.40
33 42 31 00-0162	EA	>3' To 4' High Standard Drainage Structure Type D And M, 80" x 36"	5,392.84	532.52
33 42 31 00-0163	EA	>4' To 5' High Standard Drainage Structure Type D And M, 80" x 36"	5,742.53	665.66
33 42 31 00-0164	EA	>5' To 6' High Standard Drainage Structure Type D And M, 80" x 36"	6,092.22	798.79
33 42 31 00-0165	EA	>6' To 7' High Standard Drainage Structure Type D And M, 80" x 36"	7,330.93	931.92
33 42 31 00-0166	EA	>7' To 8' High Standard Drainage Structure Type D And M, 80" x 36"	7,873.54	1,065.05
33 42 31 00-0167	EA	>8' To 9' High Standard Drainage Structure Type D And M, 80" x 36"	11,038.91	1,198.18
33 42 31 00-0168	EA	>9' To 10' High Standard Drainage Structure Type D And M, 80" x 36"	11,409.45	1,331.32
33 42 31 00-0169	EA	>10' To 11' High Standard Drainage Structure Type D And M, 80" x 36"	11,779.99	1,458.98
33 42 31 00-0170	EA	>11' To 12' High Standard Drainage Structure Type D And M, 80" x 36"	12,150.54	1,597.58
33 42 31 00-0171		**Standard Drainage Structure Type F, 48" x 48"** *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0172	EA	Up To 2' High Standard Drainage Structure Type F, 48" x 48"	2,776.24	237.08
33 42 31 00-0173	EA	>2' To 3' High Standard Drainage Structure Type F, 48" x 48"	3,091.12	357.45
33 42 31 00-0174	EA	>3' To 4' High Standard Drainage Structure Type F, 48" x 48"	3,404.53	475.63
33 42 31 00-0175	EA	>4' To 5' High Standard Drainage Structure Type F, 48" x 48"	3,717.95	594.54
33 42 31 00-0176	EA	>5' To 6' High Standard Drainage Structure Type F, 48" x 48"	5,131.57	714.89
33 42 31 00-0177	EA	>6' To 7' High Standard Drainage Structure Type F, 48" x 48"	5,444.99	831.61
33 42 31 00-0178	EA	>7' To 8' High Standard Drainage Structure Type F, 48" x 48"	6,423.21	948.34
33 42 31 00-0179	EA	>8' To 9' High Standard Drainage Structure Type F, 48" x 48"	6,749.66	1,072.35
33 42 31 00-0180	EA	>9' To 10' High Standard Drainage Structure Type F, 48" x 48"	7,076.11	1,189.06
33 42 31 00-0181	EA	>10' To 11' High Standard Drainage Structure Type F, 48" x 48"	7,402.58	1,305.78
33 42 31 00-0182	EA	>11' To 12' High Standard Drainage Structure Type F, 48" x 48"	7,729.04	1,426.88
33 42 31 00-0183		**Standard Drainage Structure Type G And J, 48" x 60"** *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0184	EA	Up To 2' High Standard Drainage Structure Type G And J, 48" x 60"	4,734.36	250.21
33 42 31 00-0185	EA	>2' To 3' High Standard Drainage Structure Type G And J, 48" x 60"	5,070.60	374.96
33 42 31 00-0186	EA	>3' To 4' High Standard Drainage Structure Type G And J, 48" x 60"	5,406.86	500.43
33 42 31 00-0187	EA	>4' To 5' High Standard Drainage Structure Type G And J, 48" x 60"	5,743.10	625.90
33 42 31 00-0188	EA	>5' To 6' High Standard Drainage Structure Type G And J, 48" x 60"	6,079.36	751.37
33 42 31 00-0189	EA	>6' To 7' High Standard Drainage Structure Type G And J, 48" x 60"	6,415.60	875.38
33 42 31 00-0190	EA	>7' To 8' High Standard Drainage Structure Type G And J, 48" x 60"	6,910.89	1,000.86
33 42 31 00-0191	EA	>8' To 9' High Standard Drainage Structure Type G And J, 48" x 60"	10,331.34	1,125.96
33 42 31 00-0192	EA	>9' To 10' High Standard Drainage Structure Type G And J, 48" x 60"	10,683.23	1,251.81
33 42 31 00-0193	EA	>10' To 11' High Standard Drainage Structure Type G And J, 48" x 60"	11,035.11	1,375.81
33 42 31 00-0194	EA	>11' To 12' High Standard Drainage Structure Type G And J, 48" x 60"	11,387.00	1,501.29
33 42 31 00-0195		**Standard Drainage Structure Type H And N, 48" x 80"** *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0196	EA	Up To 2' High Standard Drainage Structure Type H And N, 48" x 80"	6,240.18	275.75
33 42 31 00-0197	EA	>2' To 3' High Standard Drainage Structure Type H And N, 48" x 80"	6,609.79	414.35
33 42 31 00-0198	EA	>3' To 4' High Standard Drainage Structure Type H And N, 48" x 80"	6,979.39	551.49
33 42 31 00-0199	EA	>4' To 5' High Standard Drainage Structure Type H And N, 48" x 80"	7,348.99	690.10
33 42 31 00-0200	EA	>5' To 6' High Standard Drainage Structure Type H And N, 48" x 80"	7,718.58	827.24
33 42 31 00-0201	EA	>6' To 7' High Standard Drainage Structure Type H And N, 48" x 80"	8,088.19	965.84
33 42 31 00-0202	EA	>7' To 8' High Standard Drainage Structure Type H And N, 48" x 80"	8,640.29	1,102.99
33 42 31 00-0203	EA	>8' To 9' High Standard Drainage Structure Type H And N, 48" x 80"	13,212.54	1,240.12
33 42 31 00-0204	EA	>9' To 10' High Standard Drainage Structure Type H And N, 48" x 80"	13,603.00	1,378.73
33 42 31 00-0205	EA	>10' To 11' High Standard Drainage Structure Type H And N, 48" x 80"	13,993.46	1,517.34
33 42 31 00-0206	EA	>11' To 12' High Standard Drainage Structure Type H And N, 48" x 80"	14,383.92	1,654.47
33 42 31 00-0207		**Standard Drainage Structure Type K, 60" x 60"** *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0208	EA	Up To 2' High Standard Drainage Structure Type K, 60" x 60"	3,484.29	262.62
33 42 31 00-0209	EA	>2' To 3' High Standard Drainage Structure Type K, 60" x 60"	3,830.34	393.92
33 42 31 00-0210	EA	>3' To 4' High Standard Drainage Structure Type K, 60" x 60"	4,176.37	525.23
33 42 31 00-0211	EA	>4' To 5' High Standard Drainage Structure Type K, 60" x 60"	4,522.42	656.54
33 42 31 00-0212	EA	>5' To 6' High Standard Drainage Structure Type K, 60" x 60"	6,166.79	787.85
33 42 31 00-0213	EA	>6' To 7' High Standard Drainage Structure Type K, 60" x 60"	6,512.84	919.15
33 42 31 00-0214	EA	>7' To 8' High Standard Drainage Structure Type K, 60" x 60"	8,110.30	1,050.46
33 42 31 00-0215	EA	>8' To 9' High Standard Drainage Structure Type K, 60" x 60"	11,318.94	1,181.77
33 42 31 00-0216	EA	>9' To 10' High Standard Drainage Structure Type K, 60" x 60"	11,696.25	1,313.08
33 42 31 00-0217	EA	>10' To 11' High Standard Drainage Structure Type K, 60" x 60"	12,073.59	1,444.38
33 42 31 00-0218	EA	>11' To 12' High Standard Drainage Structure Type K, 60" x 60"	12,450.91	1,575.69
33 42 31 00-0219		**Standard Drainage Structure Type L And O, 60" x 80"** *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0220	EA	Up To 2' High Standard Drainage Structure Type L And O, 60" x 80"	6,742.08	288.87
33 42 31 00-0221	EA	>2' To 3' High Standard Drainage Structure Type L And O, 60" x 80"	7,124.09	431.86
33 42 31 00-0222	EA	>3' To 4' High Standard Drainage Structure Type L And O, 60" x 80"	7,506.09	576.29
33 42 31 00-0223	EA	>4' To 5' High Standard Drainage Structure Type L And O, 60" x 80"	7,888.10	720.73
33 42 31 00-0224	EA	>5' To 6' High Standard Drainage Structure Type L And O, 60" x 80"	8,270.09	865.18
33 42 31 00-0225	EA	>6' To 7' High Standard Drainage Structure Type L And O, 60" x 80"	8,652.11	1,008.15
33 42 31 00-0226	EA	>7' To 8' High Standard Drainage Structure Type L And O, 60" x 80"	9,229.64	1,152.59
33 42 31 00-0227	EA	>8' To 9' High Standard Drainage Structure Type L And O, 60" x 80"	12,708.88	1,297.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0228	EA	>9' To 10' High Standard Drainage Structure Type L And O, 60" x 80"	13,111.73	1,440.74
33 42 31 00-0229	EA	>10' To 11' High Standard Drainage Structure Type L And O, 60" x 80"	13,514.60	1,584.45
33 42 31 00-0230	EA	>11' To 12' High Standard Drainage Structure Type L And O, 60" x 80"	13,917.46	1,728.89
33 42 31 00-0231		**Standard Drainage Structure Type P, 80" x 80"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0232	EA	Up To 2' High Standard Drainage Structure Type P, 80" x 80"	9,092.61	313.68
33 42 31 00-0233	EA	>2' To 3' High Standard Drainage Structure Type P, 80" x 80"	9,513.18	470.52
33 42 31 00-0234	EA	>3' To 4' High Standard Drainage Structure Type P, 80" x 80"	9,933.76	627.36
33 42 31 00-0235	EA	>4' To 5' High Standard Drainage Structure Type P, 80" x 80"	10,354.33	784.20
33 42 31 00-0236	EA	>5' To 6' High Standard Drainage Structure Type P, 80" x 80"	10,774.90	941.04
33 42 31 00-0237	EA	>6' To 7' High Standard Drainage Structure Type P, 80" x 80"	11,195.46	1,094.23
33 42 31 00-0238	EA	>7' To 8' High Standard Drainage Structure Type P, 80" x 80"	11,803.75	1,254.72
33 42 31 00-0239	EA	>8' To 9' High Standard Drainage Structure Type P, 80" x 80"	18,932.38	1,411.55
33 42 31 00-0240	EA	>9' To 10' High Standard Drainage Structure Type P, 80" x 80"	19,371.21	1,568.40
33 42 31 00-0241	EA	>10' To 11' High Standard Drainage Structure Type P, 80" x 80"	19,810.02	1,725.24
33 42 31 00-0242	EA	>11' To 12' High Standard Drainage Structure Type P, 80" x 80"	20,248.84	1,882.08
33 42 31 00-0243		**Standard Drainage Structure Type Q, 34" x 36"** *(33 42 31 00-0122)*		
		Note: Excludes excavation, backfill, sealing of pipes, cover and caps.		
33 42 31 00-0244	EA	Up To 2' High Standard Drainage Structure Type Q, 34" x 36"	1,890.91	211.55
33 42 31 00-0245	EA	>2' To 3' High Standard Drainage Structure Type Q, 34" x 36"	2,162.42	317.32
33 42 31 00-0246	EA	>3' To 4' High Standard Drainage Structure Type Q, 34" x 36"	2,433.92	423.11
33 42 31 00-0247	EA	>4' To 5' High Standard Drainage Structure Type Q, 34" x 36"	2,705.44	528.88
33 42 31 00-0248	EA	>5' To 6' High Standard Drainage Structure Type Q, 34" x 36"	3,821.66	634.66
33 42 31 00-0249	EA	>6' To 7' High Standard Drainage Structure Type Q, 34" x 36"	4,093.17	740.43
33 42 31 00-0250	EA	>7' To 8' High Standard Drainage Structure Type Q, 34" x 36"	4,682.75	846.20
33 42 31 00-0251	EA	>8' To 9' High Standard Drainage Structure Type Q, 34" x 36"	4,969.92	948.34
33 42 31 00-0252	EA	>9' To 10' High Standard Drainage Structure Type Q, 34" x 36"	5,257.08	1,057.75
33 42 31 00-0253	EA	>10' To 11' High Standard Drainage Structure Type Q, 34" x 36"	5,398.33	1,090.58
33 42 31 00-0254	EA	>11' To 12' High Standard Drainage Structure Type Q, 34" x 36"	5,831.38	1,269.31
33 42 31 00-0255		**Standard Drainage Structure Type R, 34" x 46"** *(33 42 31 00-0122)*		
		Note: Excludes excavation, backfill, sealing of pipes, cover and caps.		
33 42 31 00-0256	EA	Up To 2' High Standard Drainage Structure Type R, 34" x 46"	1,508.37	218.85
33 42 31 00-0257	EA	>2' To 3' High Standard Drainage Structure Type R, 34" x 46"	1,794.58	328.27
33 42 31 00-0258	EA	>3' To 4' High Standard Drainage Structure Type R, 34" x 46"	2,080.80	442.07
33 42 31 00-0259	EA	>4' To 5' High Standard Drainage Structure Type R, 34" x 46"	2,367.01	552.95
33 42 31 00-0260	EA	>5' To 6' High Standard Drainage Structure Type R, 34" x 46"	3,479.67	663.83
33 42 31 00-0261	EA	>6' To 7' High Standard Drainage Structure Type R, 34" x 46"	3,765.88	773.26
33 42 31 00-0262	EA	>7' To 8' High Standard Drainage Structure Type R, 34" x 46"	4,685.62	884.14
33 42 31 00-0263	EA	>8' To 9' High Standard Drainage Structure Type R, 34" x 46"	4,984.87	995.02
33 42 31 00-0264	EA	>9' To 10' High Standard Drainage Structure Type R, 34" x 46"	5,284.12	1,105.90
33 42 31 00-0265	EA	>10' To 11' High Standard Drainage Structure Type R, 34" x 46"	5,583.36	1,215.33
33 42 31 00-0266	EA	>11' To 12' High Standard Drainage Structure Type R, 34" x 46"	5,882.62	1,326.21
33 42 31 00-0267		**Standard Drainage Structure Type S, 24" x 32"** *(33 42 31 00-0122)*		
		Note: Includes inlet cover. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0268	EA	Up To 2' High Standard Drainage Structure Type S, 24" x 32"	1,911.30	160.49
33 42 31 00-0269	EA	>2' To 3' High Standard Drainage Structure Type S, 24" x 32"	2,126.54	240.74
33 42 31 00-0270	EA	>3' To 4' High Standard Drainage Structure Type S, 24" x 32"	2,341.78	320.97
33 42 31 00-0271	EA	>4' To 5' High Standard Drainage Structure Type S, 24" x 32"	2,557.01	401.22
33 42 31 00-0272	EA	>5' To 6' High Standard Drainage Structure Type S, 24" x 32"	3,450.09	481.46
33 42 31 00-0273	EA	>6' To 7' High Standard Drainage Structure Type S, 24" x 32"	3,665.33	561.71
33 42 31 00-0274	EA	>7' To 8' High Standard Drainage Structure Type S, 24" x 32"	4,162.14	641.95
33 42 31 00-0275	EA	>8' To 9' High Standard Drainage Structure Type S, 24" x 32"	4,385.19	722.20
33 42 31 00-0276	EA	>9' To 10' High Standard Drainage Structure Type S, 24" x 32"	4,608.25	802.43
33 42 31 00-0277	EA	>10' To 11' High Standard Drainage Structure Type S, 24" x 32"	4,831.31	882.68
33 42 31 00-0278	EA	>11' To 12' High Standard Drainage Structure Type S, 24" x 32"	5,054.36	962.92
33 42 31 00-0279		**Standard Drainage Structure Type T, 26" x 42"** *(33 42 31 00-0122)*		
		Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0280	EA	Up To 2' High Standard Drainage Structure Type T, 26" x 42"	2,243.42	189.66
33 42 31 00-0281	EA	>2' To 3' High Standard Drainage Structure Type T, 26" x 42"	2,493.04	284.50
33 42 31 00-0282	EA	>3' To 4' High Standard Drainage Structure Type T, 26" x 42"	2,742.66	379.34
33 42 31 00-0283	EA	>4' To 5' High Standard Drainage Structure Type T, 26" x 42"	2,992.31	474.17
33 42 31 00-0284	EA	>5' To 6' High Standard Drainage Structure Type T, 26" x 42"	4,151.81	569.00
33 42 31 00-0285	EA	>6' To 7' High Standard Drainage Structure Type T, 26" x 42"	4,401.43	663.83
33 42 31 00-0286	EA	>7' To 8' High Standard Drainage Structure Type T, 26" x 42"	5,295.03	758.66
33 42 31 00-0287	EA	>8' To 9' High Standard Drainage Structure Type T, 26" x 42"	5,552.47	853.50
33 42 31 00-0288	EA	>9' To 10' High Standard Drainage Structure Type T, 26" x 42"	5,809.93	948.34
33 42 31 00-0289	EA	>10' To 11' High Standard Drainage Structure Type T, 26" x 42"	6,067.38	1,043.17
33 42 31 00-0290	EA	>11' To 12' High Standard Drainage Structure Type T, 26" x 42"	6,324.84	1,138.00
33 42 31 00-0291		**Standard Drainage Structure Type U, 34" x 36"** *(33 42 31 00-0122)*		
		Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0292	EA	Up To 2' High Standard Drainage Structure Type U, 34" x 36"	2,169.87	211.55
33 42 31 00-0293	EA	>2' To 3' High Standard Drainage Structure Type U, 34" x 36"	2,443.99	317.32
33 42 31 00-0294	EA	>3' To 4' High Standard Drainage Structure Type U, 34" x 36"	2,718.10	423.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0295	EA	>4' To 5' High Standard Drainage Structure Type U, 34" x 36"	2,992.22	528.88
33 42 31 00-0296	EA	>5' To 6' High Standard Drainage Structure Type U, 34" x 36"	4,045.87	634.66
33 42 31 00-0297	EA	>6' To 7' High Standard Drainage Structure Type U, 34" x 36"	4,319.99	740.43
33 42 31 00-0298	EA	>7' To 8' High Standard Drainage Structure Type U, 34" x 36"	4,943.46	846.20
33 42 31 00-0299	EA	>8' To 9' High Standard Drainage Structure Type U, 34" x 36"	5,222.81	952.71
33 42 31 00-0300	EA	>9' To 10' High Standard Drainage Structure Type U, 34" x 36"	5,450.00	1,057.75
33 42 31 00-0301	EA	>10' To 11' High Standard Drainage Structure Type U, 34" x 36"	5,724.11	1,164.27
33 42 31 00-0302	EA	>11' To 12' High Standard Drainage Structure Type U, 34" x 36"	5,998.23	1,269.31

33 42 31 00-0303 Precast Concrete Cover Slabs / Inlet Caps *(33 42 31 00-0122)*

33 42 31 00-0304	EA	Precast Concrete Cover Slab Type A	899.30	109.43
33 42 31 00-0305	EA	Precast Concrete Cover Slab Type B And E	960.93	109.86
33 42 31 00-0306	EA	Precast Concrete Cover Slab Type C And I	1,059.37	120.37
33 42 31 00-0307	EA	Precast Concrete Cover Slab Type D And M	1,429.03	133.20
33 42 31 00-0308	EA	Precast Concrete Cover Slab Type F	1,163.33	119.64
33 42 31 00-0309	EA	Precast Concrete Cover Slab Type G And J	1,452.08	124.15
33 42 31 00-0310	EA	Precast Concrete Cover Slab Type H And N	1,720.08	138.60
33 42 31 00-0311	EA	Precast Concrete Cover Slab Type K	1,527.06	131.31
33 42 31 00-0312	EA	Precast Concrete Cover Slab Type L And O	2,024.48	144.44
33 42 31 00-0313	EA	Precast Concrete Cover Slab Type P	2,365.47	156.84
33 42 31 00-0314	EA	Precast Concrete Cover Slab Type S	528.09	80.25
33 42 31 00-0315	EA	Precast Concrete Cover Slab Type T	562.48	94.83
33 42 31 00-0316	EA	Precast Concrete Cover Slab Type U	584.37	106.50

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,403.30	170.70
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,569.26	198.42
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,672.75	198.42
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,926.73	233.43
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,893.90	249.48

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*

Note: Excludes grates. See CSI section 33 42 36 00-0104 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	81.26	23.34
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0007 Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	60.16	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	74.75	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	74.75	

33 42 36 00-0011 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0012 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*

33 42 36 00-0013 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	233.77	23.34
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0015 Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	107.80	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	122.39	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	122.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0019		**Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	200.95	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	200.95	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	946.47	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,819.99	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		**6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0026		**6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	336.41	23.34
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		**Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	116.53	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	131.12	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	131.12	
33 42 36 00-0032		**Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	200.95	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	200.95	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	946.47	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,819.99	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		**6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0039		**6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	432.50	23.34
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		**Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	186.41	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	201.00	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	201.00	
33 42 36 00-0045		**Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	200.95	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	200.95	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	946.47	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,819.99	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		**12" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0052		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0053		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0052)*		
33 42 36 00-0054	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	435.44	32.10
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0055		**Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0052)*		
33 42 36 00-0056	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	217.98	
33 42 36 00-0057	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	237.43	
33 42 36 00-0058	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	237.43	
33 42 36 00-0059		**Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0052)*		
33 42 36 00-0060	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	357.50	
33 42 36 00-0061	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	466.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0062	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,859.27	
33 42 36 00-0063	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,606.31	
33 42 36 00-0064	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0065		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0066		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0065)*		
33 42 36 00-0067	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	544.63	32.10
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0068		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0065)*		
33 42 36 00-0069	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	226.72	
33 42 36 00-0070	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	246.17	
33 42 36 00-0071	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	246.17	
33 42 36 00-0072		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0065)*		
33 42 36 00-0073	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	357.50	
33 42 36 00-0074	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	466.69	
33 42 36 00-0075	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,859.27	
33 42 36 00-0076	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,606.31	
33 42 36 00-0077	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0078		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0079		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0078)*		
33 42 36 00-0080	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	763.01	32.10
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0081		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0078)*		
33 42 36 00-0082	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	554.29	
33 42 36 00-0083	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	573.74	
33 42 36 00-0084	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	573.74	
33 42 36 00-0085		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0078)*		
33 42 36 00-0086	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	357.50	
33 42 36 00-0087	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	466.69	
33 42 36 00-0088	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,859.27	
33 42 36 00-0089	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,606.31	
33 42 36 00-0090	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0091		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0092		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0091)*		
33 42 36 00-0093		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0092)*		
33 42 36 00-0094	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	609.70	43.77
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0095		Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0092)*		
33 42 36 00-0096	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	680.81	
33 42 36 00-0097	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,003.20	
33 42 36 00-0098	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,003.20	
33 42 36 00-0099		Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0092)*		
33 42 36 00-0100	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	808.09	
33 42 36 00-0101	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,676.43	
33 42 36 00-0102	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,170.51	
33 42 36 00-0103	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	
33 42 36 00-0104		Modular Trench Drain Grates *(33 42 36 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0105		**4" Wide, Modular Trench Drain Grates** *(33 42 36 00-0104)*		
33 42 36 00-0106	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	46.79	4.38
33 42 36 00-0107	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	49.12	4.38
33 42 36 00-0108	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	39.82	4.38
33 42 36 00-0109	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	103.73	4.38
33 42 36 00-0110	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	39.82	4.38
33 42 36 00-0111	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	103.73	4.38
33 42 36 00-0112		**6" Wide, Modular Trench Drain Grates** *(33 42 36 00-0104)*		
33 42 36 00-0113	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	216.93	4.38
33 42 36 00-0114	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	183.96	4.38
33 42 36 00-0115	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	193.13	4.38
33 42 36 00-0116	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	168.89	4.38
33 42 36 00-0117	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	181.99	4.38
33 42 36 00-0118	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	184.18	4.38
33 42 36 00-0119	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	184.18	4.38
33 42 36 00-0120	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	181.99	4.38
33 42 36 00-0121	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	160.16	4.38
33 42 36 00-0122	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	160.16	4.38
33 42 36 00-0123	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	170.20	4.38
33 42 36 00-0124	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	170.20	4.38
33 42 36 00-0125	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	221.30	4.38
33 42 36 00-0126	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	221.30	4.38
33 42 36 00-0127	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	404.74	4.38
33 42 36 00-0128	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	404.74	4.38
33 42 36 00-0129	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,125.40	4.38
33 42 36 00-0130	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	151.42	4.38
33 42 36 00-0131	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	326.12	4.38
33 42 36 00-0132		**12" Wide, Modular Trench Drain Grates** *(33 42 36 00-0104)*		
33 42 36 00-0133	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	597.65	4.74
33 42 36 00-0134	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	571.44	4.74
33 42 36 00-0135	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	497.19	4.74
33 42 36 00-0136	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	522.30	4.74
33 42 36 00-0137	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	451.33	4.74
33 42 36 00-0138	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	882.63	4.74
33 42 36 00-0139	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	882.63	4.74
33 42 36 00-0140	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,126.13	4.74
33 42 36 00-0141	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,126.13	4.74
33 42 36 00-0142	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,437.32	4.74
33 42 36 00-0143	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,437.32	4.74
33 42 36 00-0144	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,364.16	4.74
33 42 36 00-0145	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	644.60	4.74
33 42 36 00-0146		**23" Wide, Modular Trench Drain Grates** *(33 42 36 00-0104)*		
33 42 36 00-0147	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	943.43	5.11
33 42 36 00-0148	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	794.93	5.11
33 42 36 00-0149	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,231.69	5.11
33 42 36 00-0150	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	912.85	5.11

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*
Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,875.07	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,268.85	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	29,023.53	

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,750.97	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	35,338.57	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	43,101.91	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	50,126.92	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,548.20	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0013		**Accessories For Coalescing Oil Water Separators** *(33 44 36 00-0002)*		
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,283.93	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,738.80	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	1,016.84	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	759.78	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	277.79	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,265.48	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,530.96	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,796.55	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	817.17	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	954.27	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,908.53	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	4,148.12	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,138.50	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,473.06	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,021.85	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,624.21	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,639.60	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,804.94	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,300.19	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	
33 44 36 00-0041		**Oil Skimmers** *(33 44 36)*		
33 44 36 00-0042		**Oil Skimmers, 12" And 24" Models** *(33 44 36 00-0041)*		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,579.35	865.13
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,815.15	865.13
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,601.19	865.13
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,903.57	865.13
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,848.99	865.13
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,048.76	865.13
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,900.29	865.13
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,201.59	865.13
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,409.73	1,153.74
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,661.90	1,153.74
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,476.32	1,153.74
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,838.75	1,153.74
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	7,047.25	1,153.74
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	7,299.42	1,153.74
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,100.74	1,153.74
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,464.26	1,153.74
33 44 36 00-0059		**Oil Skimmers, Add-Ons** *(33 44 36 00-0041)*		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	305.72	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	353.75	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0001		**Gas Distribution Lines** *(33 52 16 13)* Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002		**Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped** *(33 52 16 13-0001)*		
33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	23.64	3.90
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	27.15	4.28
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.86	4.40
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	31.65	4.51
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	32.81	4.57
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	34.78	4.89
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	47.61	5.65
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	59.38	7.13
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	79.64	8.60
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	106.98	9.97
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	134.37	12.18
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	194.77	15.67
33 52 16 13-0015		**Gas Line Taps** *(33 52 16 13-0001)* Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016		**Polyethylene, 60 PSI** *(33 52 16 13-0015)*		
33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,848.15	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,798.24	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,985.46	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	4,999.85	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	7,731.14	
33 52 16 13-0022		**Steel, Schedule 40** *(33 52 16 13-0015)* Note: For punch steel service tee.		
33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,655.91	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,700.78	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,768.66	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,833.86	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,878.53	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,125.90	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,210.78	
33 52 16 13-0030		**Protective Pipe And Fitting Wrap** *(33 52 16 13-0001)* Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		**Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.57	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.82	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.12	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.73	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.17	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.07	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.55	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	10.54	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	13.23	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	17.46	
33 52 16 13-0042		**Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.53	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.53	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	32.79	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	36.85	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	36.85	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	43.61	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	58.28	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	79.02	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	79.85	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	91.79	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		**Medium Density Polyethylene (MDPE) Gas Distribution Piping** *(33 52 16 23)* Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.41	2.44
		For Colors, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.01	2.60
		For SDR 13.5, Deduct	*-0.13*	
		For Colors, Add	*0.09*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.60	2.79
		For SDR 13.5, Deduct	*-0.16*	
		For Colors, Add	*0.11*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.22	2.96
		For SDR 13.5, Deduct	*-0.20*	
		For Colors, Add	*0.13*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.25	3.57
		For SDR 13.5, Deduct	*-0.28*	
		For Colors, Add	*0.18*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	9.29	3.88
		For SDR 13.5, Deduct	*-0.37*	
		For SDR 15.5, Deduct	*-0.67*	
		For Colors, Add	*0.24*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	11.60	4.53
		For SDR 13.5, Deduct	*-0.61*	
		For SDR 15.5, Deduct	*-1.12*	
		For Colors, Add	*0.39*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	14.10	5.39
		For SDR 13.5, Deduct	*-0.83*	
		For SDR 15.5, Deduct	*-1.53*	
		For Colors, Add	*0.54*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	22.50	6.12
		For SDR 13.5, Deduct	*-1.54*	
		For SDR 15.5, Deduct	*-2.83*	
		For Colors, Add	*0.99*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	28.28	6.12
		For SDR 13.5, Deduct	*-2.13*	
		For SDR 15.5, Deduct	*-3.92*	
		For Colors, Add	*1.38*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	34.24	6.12
		For SDR 13.5, Deduct	*-2.73*	
		For SDR 15.5, Deduct	*-5.02*	
		For Colors, Add	*1.76*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	50.40	7.64
		For SDR 13.5, Deduct	*-4.54*	
		For SDR 15.5, Deduct	*-8.36*	
		For Colors, Add	*2.93*	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.49	2.44
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.13	2.60
		For SDR 13.5, Deduct	*-0.15*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.72	2.79
		For SDR 13.5, Deduct	*-0.18*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.38	2.96
		For SDR 13.5, Deduct	*-0.22*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.47	3.57
		For SDR 13.5, Deduct	*-0.31*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	9.59	3.88
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For SDR 17, Deduct	*-1.08*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	12.10	4.53
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.23*	
		For SDR 17, Deduct	*-1.79*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	14.77	5.39
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.68*	
		For SDR 17, Deduct	*-2.44*	
		For SDR 21, Deduct	*-3.34*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	23.74	6.12
		For SDR 13.5, Deduct	*-1.69*	
		For SDR 15.5, Deduct	*-3.11*	
		For SDR 17, Deduct	*-4.52*	
		For SDR 21, Deduct	*-6.18*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	36.44	6.12
		For SDR 13.5, Deduct	*-3.00*	
		For SDR 15.5, Deduct	*-5.52*	
		For SDR 17, Deduct	*-8.02*	
		For SDR 21, Deduct	*-10.97*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	54.07	7.64
		For SDR 13.5, Deduct	*-5.00*	
		For SDR 15.5, Deduct	*-9.19*	
		For SDR 17, Deduct	*-13.35*	
		For SDR 21, Deduct	*-18.26*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 53 16 00-0001		Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*		
33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	250.64	25.05
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	256.33	25.05
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	269.97	29.75
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	837.49	34.44
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	909.42	53.34
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,523.18	119.65
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,494.65	158.58

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001		Diaphragm Meters *(33 59 11)* Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	655.83	98.03
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,244.25	149.93
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,434.40	149.93
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	2,974.91	187.41
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,388.13	230.66
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,333.58	187.41
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,850.20	230.66
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,341.41	245.08
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	8,917.54	288.32
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	13,663.30	475.73
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001		Gas Turbine Meters With Direct-Digital Reading *(33 59 16)* Note: Maximum working pressure 175 PSI, flanged end connections.		
33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,072.57	488.67
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,475.79	567.49
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	17,705.97	640.45
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	34,256.63	779.67
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	57,190.23	974.58

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001		Prefabricated/Preinsulated Pipe *(33 61 13)* Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 61 13 00-0002		Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0001)* Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0003		Standard Black Steel Carrier Pipe *(33 61 13 00-0002)* Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	198.88	25.56
		For Schedule 80 Pipe, Add	*32.96*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	218.02	27.58
		For Schedule 80 Pipe, Add	*36.25*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.62*	
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	243.20	29.28
		For Schedule 80 Pipe, Add	*40.83*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.08*	
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	260.34	30.93
		For Schedule 80 Pipe, Add	*43.82*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.38*	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	272.83	32.83
		For Schedule 80 Pipe, Add	*45.81*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.58*	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	303.09	40.60
		For Schedule 80 Pipe, Add	*49.79*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.98*	
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.94	49.54
		For Schedule 80 Pipe, Add	*53.78*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.38*	
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.71	63.09
		For Schedule 80 Pipe, Add	*67.72*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.77*	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	536.23	77.28
		For Schedule 80 Pipe, Add	*86.64*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.66*	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	623.62	90.54
		For Schedule 80 Pipe, Add	*100.58*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.06*	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	877.81	109.39
		For Schedule 80 Pipe, Add	*146.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.64*	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,139.55	130.18
		For Schedule 80 Pipe, Add	*193.20*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.32*	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,418.59	160.20
		For Schedule 80 Pipe, Add	*241.00*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.10*	

33 61 13 00-0017 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	215.37	25.56
		For Schedule 80 Pipe, Add	*36.26*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.63*	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	236.15	27.58
		For Schedule 80 Pipe, Add	*39.87*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.99*	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	263.62	29.28
		For Schedule 80 Pipe, Add	*44.91*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.49*	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	282.25	30.93
		For Schedule 80 Pipe, Add	*48.20*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.82*	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.73	32.83
		For Schedule 80 Pipe, Add	*50.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	327.99	40.60
		For Schedule 80 Pipe, Add	*54.77*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.48*	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	361.83	49.54
		For Schedule 80 Pipe, Add	*59.15*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	456.57	63.09
		For Schedule 80 Pipe, Add	*74.49*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.45*	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	579.55	77.28
		For Schedule 80 Pipe, Add	*95.30*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	673.91	90.54
		For Schedule 80 Pipe, Add	*110.64*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.06*	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	951.01	109.39
		For Schedule 80 Pipe, Add	*161.03*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.10*	
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,236.14	130.18
		For Schedule 80 Pipe, Add	*212.51*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.25*	
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,539.09	160.20
		For Schedule 80 Pipe, Add	*265.10*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.51*	

33 61 13 00-0031 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	223.61	25.56
		For Schedule 80 Pipe, Add	*37.91*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.79*	
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	245.21	27.58
		For Schedule 80 Pipe, Add	*41.69*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.17*	
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	273.82	29.28
		For Schedule 80 Pipe, Add	*46.95*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.70*	
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	293.20	30.93
		For Schedule 80 Pipe, Add	*50.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.18	32.83
		For Schedule 80 Pipe, Add	*52.68*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.27*	
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	340.44	40.60
		For Schedule 80 Pipe, Add	*57.26*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
33 61 13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	375.27	49.54
		For Schedule 80 Pipe, Add	*61.84*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.18*	
33 61 13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.50	63.09
		For Schedule 80 Pipe, Add	*77.88*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	601.21	77.28
		For Schedule 80 Pipe, Add	*99.64*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.96*	
33 61 13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	699.05	90.54
		For Schedule 80 Pipe, Add	*115.67*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.57*	
33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	987.60	109.39
		For Schedule 80 Pipe, Add	*168.35*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.83*	
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,284.44	130.18
		For Schedule 80 Pipe, Add	*222.17*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.22*	
33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,599.34	160.20
		For Schedule 80 Pipe, Add	*277.15*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.71*	

33 61 13 00-0045 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.97	25.56
		For Schedule 80 Pipe, Add	*40.38*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	258.81	27.58
		For Schedule 80 Pipe, Add	*44.41*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	289.13	29.28
		For Schedule 80 Pipe, Add	*50.02*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	309.63	30.93
		For Schedule 80 Pipe, Add	*53.68*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	324.36	32.83
		For Schedule 80 Pipe, Add	*56.12*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.11	40.60
		For Schedule 80 Pipe, Add	*61.00*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	395.44	49.54
		For Schedule 80 Pipe, Add	*65.88*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	498.89	63.09
		For Schedule 80 Pipe, Add	*82.95*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	633.69	77.28
		For Schedule 80 Pipe, Add	*106.13*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.61*	
33 61 13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	736.77	90.54
		For Schedule 80 Pipe, Add	*123.21*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.32*	
33 61 13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,042.50	109.39
		For Schedule 80 Pipe, Add	*179.33*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.93*	
33 61 13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,356.89	130.18
		For Schedule 80 Pipe, Add	*236.66*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.67*	
33 61 13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,689.71	160.20
		For Schedule 80 Pipe, Add	*295.22*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.52*	

33 61 13 00-0059 Preinsulated Black Steel Fittings *(33 61 13 00-0001)*

Note: No excavation or backfill.

33 61 13 00-0060 Elbows *(33 61 13 00-0059)*

33 61 13 00-0061 Elbows *(33 61 13 00-0060)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,412.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.11*	
33 61 13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,453.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.70*	
33 61 13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,661.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.24*	
33 61 13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,839.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.90*	
33 61 13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,027.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.23*	
33 61 13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,262.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.56*	
33 61 13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,620.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.88*	
33 61 13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,057.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.52*	
33 61 13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,774.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.82*	
33 61 13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,219.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.94*	
33 61 13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,008.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*98.22*	
33 61 13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,859.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*125.54*	
33 61 13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,207.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*166.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 61 13 00-0075 **Elbows** *(33 61 13 00-0060)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,506.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.99*	
33 61 13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,550.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.63*	
33 61 13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,771.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.44*	
33 61 13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,958.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.30*	
33 61 13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,152.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.72*	
33 61 13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,392.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	
33 61 13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,770.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.87*	
33 61 13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,232.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.01*	
33 61 13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,998.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.30*	
33 61 13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,473.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.04*	
33 61 13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,376.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*105.59*	
33 61 13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,330.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*134.96*	
33 61 13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,830.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.62*	

33 61 13 00-0089 **Elbows** *(33 61 13 00-0060)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,600.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.87*	
33 61 13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,646.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.55*	
33 61 13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,881.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.63*	
33 61 13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,078.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.69*	
33 61 13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,276.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.22*	
33 61 13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,522.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.75*	
33 61 13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,919.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.86*	
33 61 13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,406.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.50*	
33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,222.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.79*	
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,728.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.13*	
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,745.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.95*	
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,801.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*144.37*	
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,453.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*191.08*	

33 61 13 00-0103 **Elbows** *(33 61 13 00-0060)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,694.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.76*	
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,742.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.48*	
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,990.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.82*	
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,197.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.08*	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,401.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.71*	
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,651.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.34*	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,069.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.85*	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,581.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.99*	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,446.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.28*	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,983.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.23*	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,113.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.32*	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,271.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.79*	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,076.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*203.55*	

33 61 13 00-0117 Tees *(33 61 13 00-0059)*

33 61 13 00-0118 Tees *(33 61 13 00-0117)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,099.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.29*	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,161.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.16*	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,470.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.43*	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,734.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.38*	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,015.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.35*	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,367.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.32*	
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,901.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.22*	
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,551.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.09*	
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,620.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*88.83*	
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,278.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*100.89*	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,937.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*145.86*	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,697.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*186.43*	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,186.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*246.75*	

33 61 13 00-0132 Tees *(33 61 13 00-0117)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,239.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.08*	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,304.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.03*	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,633.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.68*	
33 61 13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,911.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.93*	
33 61 13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,200.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.05*	
33 61 13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,560.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	
33 61 13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,123.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.66*	
33 61 13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,811.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*74.27*	
33 61 13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,953.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*95.49*	
33 61 13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,657.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.46*	
33 61 13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,483.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*156.79*	
33 61 13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,396.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*200.41*	
33 61 13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,112.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*265.25*	

33 61 13 00-0146 Tees *(33 61 13 00-0117)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,378.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.88*	
33 61 13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,447.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.89*	
33 61 13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,796.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.94*	
33 61 13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,089.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.48*	
33 61 13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,385.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.75*	
33 61 13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,752.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.02*	
33 61 13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,345.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.10*	
33 61 13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,070.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.45*	
33 61 13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,286.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*102.15*	
33 61 13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,035.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*116.03*	
33 61 13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,030.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.73*	
33 61 13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,096.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*214.40*	
33 61 13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,037.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*283.76*	

33 61 13 00-0160 Tees *(33 61 13 00-0117)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,518.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,590.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.75*	
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,959.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.20*	
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,267.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.04*	
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,570.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.45*	
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,945.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.87*	
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,567.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.54*	
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,329.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.63*	
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,619.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.82*	
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,413.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.59*	
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,577.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.67*	
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,795.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.38*	
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,962.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.27*	

33 61 13 00-0174 Reducers *(33 61 13 00-0059)*

33 61 13 00-0175 Reducers *(33 61 13 00-0174)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,183.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.84*	
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,218.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.33*	
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,393.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.27*	
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,543.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.48*	
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,708.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.58*	
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,927.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.69*	
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,224.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.10*	
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,588.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.62*	
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,187.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.65*	
33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,559.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.39*	
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,064.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*81.52*	
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,634.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.20*	
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,602.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*137.91*	

33 61 13 00-0189 Reducers *(33 61 13 00-0174)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,261.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,298.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.93*	
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,484.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.09*	
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,642.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.47*	
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,811.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.65*	
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,035.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.84*	
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,348.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.58*	
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,733.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.51*	
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,373.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.37*	
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,771.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.62*	
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,369.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*87.64*	
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,025.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.02*	
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,119.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*148.26*	

33 61 13 00-0203 Reducers *(33 61 13 00-0174)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,339.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.97*	
33 61 13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,378.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.53*	
33 61 13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,575.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.91*	
33 61 13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,741.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.45*	
33 61 13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,915.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.72*	
33 61 13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,142.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.99*	
33 61 13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,472.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.06*	
33 61 13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,878.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.41*	
33 61 13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,559.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.10*	
33 61 13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,982.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.85*	
33 61 13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,675.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.75*	
33 61 13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,416.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.83*	
33 61 13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,636.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.60*	

33 61 13 00-0217 Reducers *(33 61 13 00-0174)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,417.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.53*	
33 61 13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,458.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,666.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.73*	
33 61 13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,841.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.44*	
33 61 13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,018.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.79*	
33 61 13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,250.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.14*	
33 61 13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,596.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.55*	
33 61 13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,023.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.30*	
33 61 13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,746.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.82*	
33 61 13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,194.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.08*	
33 61 13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,981.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*99.86*	
33 61 13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,807.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*127.65*	
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,153.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*168.94*	

33 61 13 00-0231 Preinsulated Type K Copper Pipe *(33 61 13 00-0001)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0232 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.25	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.01	23.64
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.17	25.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.23	26.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.96	28.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.52	34.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	98.61	42.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	125.09	54.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	155.61	66.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	181.71	77.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.69	94.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	292.83	111.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.47	137.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 00-0246 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.39	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.36	23.64
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.82	25.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.08	26.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.93	28.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	87.76	34.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	102.10	42.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	129.49	54.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	161.24	66.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	188.24	77.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	245.20	94.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.38	111.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	378.12	137.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0260 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.46	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.54	23.64
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.15	25.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.50	26.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	76.42	28.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.38	34.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	103.85	42.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	131.69	54.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	164.05	66.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	191.51	77.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	249.96	93.78
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	311.65	111.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	385.95	137.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0274 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.07	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.30	23.64
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.14	25.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.64	26.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.65	28.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	91.80	34.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	106.47	42.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	134.99	54.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	168.27	66.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	196.41	77.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	257.09	93.78
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	321.06	111.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	397.69	137.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0288 Preinsulated Copper Fittings *(33 61 13 00-0001)*

33 61 13 00-0289 Elbows *(33 61 13 00-0288)*

33 61 13 00-0290 Elbows *(33 61 13 00-0289)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	380.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	396.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	457.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	522.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	641.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	801.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	932.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,088.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,262.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,375.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,909.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,596.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,266.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	

33 61 13 00-0304 Elbows *(33 61 13 00-0289)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	398.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	415.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	479.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	

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33 61 13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	545.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	665.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	826.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	961.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,122.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,305.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,424.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,980.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,687.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,388.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.72*	

33 61 13 00-0318 Elbows *(33 61 13 00-0289)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	416.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	434.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	500.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	568.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	689.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	851.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	990.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,156.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,349.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,474.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,052.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,778.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,509.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0332 Elbows *(33 61 13 00-0289)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	435.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	452.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	521.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	591.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	713.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	876.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,019.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,190.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,393.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.24*	
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,524.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,123.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,870.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,630.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0346 Tees *(33 61 13 00-0288)*

33 61 13 00-0347 Tees *(33 61 13 00-0346)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	566.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	590.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	682.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	778.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	956.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,195.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,393.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,625.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,888.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,053.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,847.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,878.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,876.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0361 Tees *(33 61 13 00-0346)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	593.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	618.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	713.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	812.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	992.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,233.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,436.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,676.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,953.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,127.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.08*	
33 61 13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,953.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,014.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,056.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.56*	

33 61 13 00-0375 Tees *(33 61 13 00-0346)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	621.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	646.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	745.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	847.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,028.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,270.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,479.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,726.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,018.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,201.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,058.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,146.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,239.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.16*	

33 61 13 00-0389 Tees *(33 61 13 00-0346)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	648.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	674.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	777.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	881.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,064.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,308.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,522.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,777.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,082.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,275.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,164.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,282.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,419.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0403 Reducers *(33 61 13 00-0288)*

33 61 13 00-0404 Reducers *(33 61 13 00-0403)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	325.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	339.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	392.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	448.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	554.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	707.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	816.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	947.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,095.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,191.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,651.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,251.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,824.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0418 Reducers *(33 61 13 00-0403)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	340.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	354.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	409.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	467.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	574.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	728.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	840.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	975.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,131.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,232.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,710.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,327.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,925.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0432 Reducers *(33 61 13 00-0403)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	486.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	594.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	749.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0439	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	864.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0440	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,003.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,168.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,274.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,769.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.22*	
33 61 13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,403.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.29*	
33 61 13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,026.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0446 Reducers *(33 61 13 00-0403)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	386.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	445.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	
33 61 13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	506.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	614.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	770.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	888.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,032.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,204.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,315.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,829.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,479.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.81*	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,126.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 00-0460 Tempered Water Piping Pre-Insulated *(33 61 13 00-0001)*

33 61 13 00-0461 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0460)*

33 61 13 00-0462	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	159.14	30.99
33 61 13 00-0463	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	204.09	33.57
33 61 13 00-0464	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	281.36	36.27
33 61 13 00-0465	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	386.09	45.34
33 61 13 00-0466	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	495.15	55.92

33 61 13 00-0467 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0460)*

33 61 13 00-0468	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	80.99	33.57
33 61 13 00-0469	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	96.45	33.57
33 61 13 00-0470	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	111.18	33.57
33 61 13 00-0471	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	132.81	39.67
33 61 13 00-0472	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	161.31	50.35

33 61 13 00-0473 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0460)*

33 61 13 00-0474	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	80.98	33.57
33 61 13 00-0475	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	96.45	33.57
33 61 13 00-0476	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	109.64	33.57
33 61 13 00-0477	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	132.80	39.67
33 61 13 00-0478	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	161.31	50.35

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

33 71 19 13-0002 Electrical Pull Boxes *(33 71 19 13-0001)*

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,814.04	652.70
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,386.81	723.47
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,935.40	786.38
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	6,198.19	943.66
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,629.27	943.66
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	7,138.91	982.97
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	8,219.68	1,100.93

33 71 19 13-0010 Electrical Property Line Boxes *(33 71 19 13)*

33 71 19 13-0011	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,796.49	530.81
33 71 19 13-0012	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,802.81	550.46
33 71 19 13-0013	EA	6' x 4' x 5' Deep Property Line Box	7,472.22	668.42
33 71 19 13-0014	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	11,435.77	982.97

33 71 19 13-0015 Manhole Accessories *(33 71 19 13)*

33 71 19 13-0016	EA	6" Precast Grade Ring Riser Casting	613.95	191.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0017	EA	12" Precast Grade Ring Riser Casting	664.92	207.97
33 71 19 13-0018	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,269.79	319.95
33 71 19 13-0019	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,951.68	399.94
33 71 19 13-0020	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	1,004.02	213.57
33 71 19 13-0021	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,258.26	239.96

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	38.12
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	76.27
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	77.74
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	155.89
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	114.25
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	229.97
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	346.28
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	209.10
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	416.73
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	643.79
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	297.70
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	597.48
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	887.39

33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	10.02
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.07
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	42.31
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.23
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	26.43
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	53.70
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	17.58
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	35.16
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	70.41
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	105.57
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.03
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	44.02
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	85.09
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	120.32
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	39.56
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	59.46
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	119.21
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	193.46

33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.11
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	24.36
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	46.59
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.69
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.37
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	54.58
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.92
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	35.86
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	71.81
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	107.68
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.57
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.08
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	87.21
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	123.50
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	40.29
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.98
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	122.26
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	198.03

33 71 19 23-0054 Male Or Female Adapters *(33 71 19 23-0001)*

33 71 19 23-0055	EA	2" Adapter	54.10
33 71 19 23-0056	EA	3" Adapter	76.61
33 71 19 23-0057	EA	4" Adapter	98.49
33 71 19 23-0058	EA	5" Adapter	146.44
33 71 19 23-0059	EA	6" Adapter	182.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0060		Underground Electrical Concrete Markers *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	473.13	

END OF SECTION 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0002	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,315.88	256.89
34 41 13 00-0003	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,360.48	256.89
34 41 13 00-0004	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,117.69	256.89
34 41 13 00-0005	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,260.42	256.89
34 41 13 00-0006	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,288.20	256.89
34 41 13 00-0007	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,847.53	256.89

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001 Cast In Place Concrete Barriers *(34 71 13 13)*
Note: Excludes excavation and backfill. Includes concrete, formwork, steel reinforcement.

34 71 13 13-0002	LF	24" Base Width (6" Top Width) x 41" Height, Type A Cast in Place Concrete Barrier	163.24
34 71 13 13-0003	LF	27" Base Width (9" Top Width) x 41" Height, Type B Cast in Place Concrete Barrier	190.17
34 71 13 13-0004	LF	30" Base Width (12" Top Width) x 41" Height, Type C Cast in Place Concrete Barrier	190.17
34 71 13 13-0005	LF	15" Base Width (6" Top Width) x 41" Height, Half Section Cast in Place Concrete Barrier	149.08
34 71 13 13-0006	LF	Single Slope Cast in Place Concrete Barrier	199.25

34 71 13 13-0007 Precast Concrete Barriers *(34 71 13 13)*
Note: Excludes excavation and Backfill. Product as manufactured by Binghamton Precast and Supply.

34 71 13 13-0008	LF	24" Base Width (6" Top Width) x 41" Height, Type A Precast Concrete Barrier	159.37
		For Up To 5, Add	*59.30*
34 71 13 13-0009	LF	27" Base Width (9" Top Width) x 41" Height, Type B Precast Concrete Barrier	183.86
		For Up To 5, Add	*71.55*
34 71 13 13-0010	LF	30" Base Width (12" Top Width) x 41" Height, Type C Precast Concrete Barrier	199.36
		For Up To 5, Add	*79.30*
34 71 13 13-0011	LF	15" Base Width (6" Top Width) x 41" Height, Pier Protection Half Section Precast Concrete Barrier	151.62
		For Up To 5, Add	*55.43*
		For Up To 20, Add	*8.63*
34 71 13 13-0012	LF	8" Top, Single Slope Precast Concrete Barrier	163.55
		For Up To 5, Add	*61.39*
34 71 13 13-0013	LF	12" Top, Single Slope Precast Concrete Barrier	192.07
		For Up To 5, Add	*75.65*
34 71 13 13-0014	LF	Single Slope Half Section Precast Concrete Barrier	173.47
		For Up To 5, Add	*66.35*
		For Up To 20, Add	*9.92*
34 71 13 13-0015	LF	Transition To Box Beam Guide Rail, Single Slope Half Section Precast Concrete Barrier	189.90
		For Up To 5, Add	*74.57*

34 71 13 13-0016 Glare Screen *(34 71 13 13)*
Note: Includes fasteners to mount on median barrier.

34 71 13 13-0017	LF	Glare Screen	255.75	9.62

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*
Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	530.98	72.77

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0001		**Mobilize Guide Rail Crew** *(34 71 13 26)*		
		Note: Excludes equipment mobilization.		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew	1,826.13	
		Note: Excludes equipment mobilization.		
34 71 13 26-0003		**Corrugated Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0004		**Corrugated Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0005		**Corrugated Beam Guide Railing. Straight Sections** *(34 71 13 26-0004)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	36.30	3.26
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	39.34	3.26
34 71 13 26-0008		**Corrugated Beam Guide Railing, Shop Curved** *(34 71 13 26-0004)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	48.22	3.26
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	52.41	3.26
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End	127.61	3.26
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	139.48	3.26
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013		**Corrugated Beam Guide Railing, Manufactured End Sections** *(34 71 13 26-0003)*		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	259.85	43.05
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	276.07	43.05
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	357.17	43.05
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	373.39	43.05
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	357.17	43.05
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	373.39	43.05
34 71 13 26-0020		**Corrugated Beam Guide Rail End Terminal Systems** *(34 71 13 26-0003)*		
		Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket	9,680.94	266.09
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	8,059.00	266.09
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	9,680.94	266.09
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	1,383.71	125.44
34 71 13 26-0025		**Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware.		
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail	286.07	19.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*5.31*	
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	302.29	19.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*5.31*	
34 71 13 26-0028	EA	Extra Long Post For Corrugated Beam Guide Rail	318.51	19.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*5.31*	
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	334.73	19.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*5.31*	
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	286.07	19.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*5.31*	
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	415.83	19.92
		For Installation In Rock, Add	*5.31*	
34 71 13 26-0032		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0033	EA	Standard Post For heavy post blocked out corrugated beam guide rail	286.07	19.92
34 71 13 26-0034	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	302.29	19.92
34 71 13 26-0035	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail	318.51	19.92
34 71 13 26-0036	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	334.73	19.92
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0037	EA	Type A Post 1630mm Post	277.96	19.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038	EA	Type A Post 1630mm Post (Rustic)	294.18	19.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0039	EA	Type B Post 1460mm	261.74	19.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0040	EA	Type B Post 1460mm (Rustic)	277.96	19.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type C Post 1290mm	245.52	19.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type C Post 1290mm (Rustic)	261.74	19.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,099.64	19.92
34 71 13 26-0044	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	107.66	19.92
		Note: For heavy post blocked out corrugated beam guide rail.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0045		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0046	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	227.41	48.91
34 71 13 26-0047		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0048	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	19.11	
34 71 13 26-0049	EA	Install Stored Post For Corrugated Beam Guide Rail	65.22	
34 71 13 26-0050	LF	Install Stored Corrugated Beam Guide Railing And Post	11.09	
34 71 13 26-0051		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0052		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0051)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0053	LF	Corrugated Thrie Beam Guide Railing	88.29	4.11
34 71 13 26-0054	LF	Corrugated Thrie Beam Guide Railing (Rustic)	93.23	4.11
34 71 13 26-0055		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0051)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Shop Curved Corrugated Thrie Beam Guide Railing	108.06	4.11
34 71 13 26-0057	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	113.00	4.11
34 71 13 26-0058		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0051)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0059	EA	Standard Post For Corrugated Thrie Beam Guide Rail	362.31	4.11
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0060	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	378.53	4.11
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0061		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0062		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0061)*		
34 71 13 26-0063		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0062)*		
34 71 13 26-0064	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	106.83	4.11
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0065	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	121.66	4.11
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0066	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized	127.13	4.11
		Note: Excludes splices		
34 71 13 26-0067		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0062)*		
34 71 13 26-0068	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	163.68	4.11
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0069	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	178.51	4.11
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0070	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized	195.25	4.11
		Note: Excludes splices.		
34 71 13 26-0071		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0061)*		
		Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0072	EA	Box Beam End Piece Guide Railing Section	1,687.16	48.91
		Note: Galvanized excludes splices.		
34 71 13 26-0073	EA	Box Beam End Piece Guide Railing Section (Rustic)	1,865.57	48.91
		Note: Excludes splices.		
34 71 13 26-0074	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	1,589.84	48.91
		Note: Excludes splices.		
34 71 13 26-0075	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)	1,654.72	48.91
		Note: Excludes splices.		
34 71 13 26-0076	EA	Type III, Box Beam Guiderail End Section Assembly	47,793.28	1,304.38
		Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0077		**Splices For Box Beam Guide Rail** *(34 71 13 26-0061)*		
34 71 13 26-0078	EA	Splice For Box Beam Guide Rail	388.51	72.61
34 71 13 26-0079	EA	Splice For Box Beam Guide Rail (Rustic)	502.05	72.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0080		**Box Beam Guide Rail Posts** *(34 71 13 26-0061)*		
		Note: Includes hardware for box beam mounting.		
34 71 13 26-0081	EA	Standard Post For Box Beam Guide Rail	348.04	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0082	EA	Standard Post (Rustic) for Box Beam Guide Railing	364.26	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0083	EA	Extra Long Post For Box Beam Guide Rail	380.48	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0084	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	396.70	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0085	EA	Type I End Assembly Post	331.82	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0086	EA	Type I End Assembly Post (Rustic)	348.04	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0087	EA	Type II End Assembly Post	315.60	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0088	EA	Type II End Assembly Post (Rustic)	331.82	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0089		**Box Beam Guide Rail Accessories** *(34 71 13 26-0061)*		
34 71 13 26-0090	EA	Box Beam Guide Rail End Cover Plate	214.20	14.68
34 71 13 26-0091	EA	Box Beam Guide Rail End Cover Plate (Rustic)	230.42	14.68
34 71 13 26-0092		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0061)*		
		Note: For existing guide rail.		
34 71 13 26-0093	LF	Removal And Storage Of Box Beam Guide Rail And Post	6.44	
34 71 13 26-0094	LF	Reset Box Beam Guide Rail	18.81	
34 71 13 26-0095		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0096		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0095)*		
34 71 13 26-0097		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0096)*		
34 71 13 26-0098	LF	Box Beam Median Barrier Galvanized Excludes Splices	175.30	14.68
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0099	LF	Box Beam Median Barrier (Rustic) Excludes Splices	190.13	14.68
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0100		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0096)*		
34 71 13 26-0101	LF	Shop Curved Box Beam Median Barrier Galvanized	214.27	14.68
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0102	LF	Shop Curved Box Beam Median Barrier Rustic	262.95	14.68
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0103		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0095)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0104	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	5,563.60	48.91
		Note: Excludes splices and post.		
34 71 13 26-0105	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	5,693.35	48.91
		Note: Excludes splices and post.		
34 71 13 26-0106	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	5,563.60	48.91
		Note: Excludes splices and post.		
34 71 13 26-0107	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	5,693.35	48.91
		Note: Excludes splices and post.		
34 71 13 26-0108		**Splices For Box Beam Median Barrier** *(34 71 13 26-0095)*		
34 71 13 26-0109	EA	Splice for Box Beam Median Barrier	409.00	39.13
34 71 13 26-0110	EA	Splice for Box Beam Median Barrier (Rustic)	652.29	39.13
34 71 13 26-0111		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0095)*		
		Note: Includes all associated hardware.		
34 71 13 26-0112	EA	Standard Post for Box Beam Median Barrier	348.04	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0113	EA	Standard Post (Rustic) for Box Beam Median Barrier	364.26	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0114	EA	Extra Long Post for Box Beam Median Barrier	380.48	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0115	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	396.70	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0116	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	315.60	66.39
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0117	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	315.60	66.39
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0118	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	380.48	66.39
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0119	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	396.70	66.39
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	

34 71 13 26-0120 Box Beam Median Barrier Accessories *(34 71 13 26-0095)*

34 71 13 26-0121	EA	Box Beam Median Barrier End Cover Plate	254.91	34.43
34 71 13 26-0122	EA	Box Beam Median Barrier End Cover Plate (Rustic)	271.13	34.43

34 71 13 26-0123 Box Beam Median Barrier Repair, And Resetting *(34 71 13 26-0095)*

Note: For existing guide rail.

34 71 13 26-0124	LF	Removal And Storage Of Box Beam Median Barrier and Posts	6.66	
34 71 13 26-0125	LF	Reset Box Beam Median Barrier	19.69	

34 71 13 26-0126 Universal Guide Rail Items *(34 71 13 26)*

34 71 13 26-0127 Guide Rail Concrete Anchor Units For All Types Of Guide Rail *(34 71 13 26-0126)*

Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.

34 71 13 26-0128	CY	Guide Rail Concrete Anchor Unit	1,056.49	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0129	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	747.99	
		Note: Includes excavation and backfill.		
34 71 13 26-0130	EA	Removal Of Guide Rail Concrete Anchor Unit	734.71	

34 71 13 26-0131 Guide Rail Repair For All Types Of Existing Guide Rail *(34 71 13 26-0126)*

Note: Includes associated hardware.

34 71 13 26-0132	EA	Straighten And Reset Driven Post For Guide Rail	88.53	
34 71 13 26-0133	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	111.89	
		Note: With base plate for guide rail. Includes new anchor bolts.		

34 71 13 26-0134 Additional Wood and Steel Posts *(34 71 13 26-0126)*

34 71 13 26-0135	LF	4" x 6" Wood Post	106.60	22.18
		For Installation In Rock, Add	*5.91*	
34 71 13 26-0136	LF	6" x 8" Wood Post	130.93	22.18
		For Installation In Rock, Add	*5.91*	
34 71 13 26-0137	LF	6" x 7/8" Galvanized Steel Post	75.52	22.18
		For Installation In Rock, Add	*5.91*	
34 71 13 26-0138	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	784.21	22.18

34 71 13 26-0139 Accessories For All Types of Guide Rail *(34 71 13 26-0126)*

34 71 13 26-0140	EA	Reflector For Guard Rail	102.80	

34 71 13 26-0141 Guide Rail Transitions *(34 71 13 26)*

34 71 13 26-0142 Transition Box Beam Guide Rail To Corrugated Beam *(34 71 13 26-0141)*

Note: Use cable guide rail section for cable, anchor angle and cable end assembly.

34 71 13 26-0143	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,408.82	
34 71 13 26-0144	EA	Box Beam To Corrugated Beam Rail Bolted Plate	760.05	
		Note: For making cable connections.		

34 71 13 26-0145 Transition Box Beam Median Barrier To Corrugated Beam Median *(34 71 13 26-0141)*

Note: Use cable guide rail section for anchor angle and cable end assembly.

34 71 13 26-0146	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,441.26	
34 71 13 26-0147	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	760.05	
		Note: For making cable connections.		

34 71 13 26-0148 Transition Box Beam Guide Rail To Cable Guide Rail *(34 71 13 26-0141)*

Note: Use cable guide rail section for cable, anchor angle and end connections at anchor unit.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0149	EA	Box Beam to Cable Guide Rail U-bolt And Plate	205.76	26.09
34 71 13 26-0150		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0141)*		
		Note: For end treatment sections for rub rail turnback, use box beam guide rail end treatments.		
34 71 13 26-0151	EA	Box Beam Median Barrier To Concrete Barrier End Connection	2,057.60	
34 71 13 26-0152		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0141)*		
34 71 13 26-0153	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,246.63	
34 71 13 26-0154	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,652.12	
34 71 13 26-0155		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0156		**Cable Guide Rail** *(34 71 13 26-0155)*		
34 71 13 26-0157	LF	Cable (Each Cable)	18.53	3.52
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0158	EA	Cable Splice With Wedges	519.19	24.46
34 71 13 26-0159		**Cable Guide Rail Posts** *(34 71 13 26-0155)*		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0160	EA	Standard Post for Cable Guide Rail	331.82	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0161	EA	Standard Post (Rustic) for Cable Guide Rail	348.04	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0162	EA	Extra Long Post for Cable Guide Rail	348.04	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0163	EA	Extra Long Post (Rustic) for Cable Guide Rail	364.26	66.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*17.71*	
34 71 13 26-0164	EA	Slip Impact Post Top for Anchor Unit	230.04	26.56
34 71 13 26-0165	EA	Slip Impact Post Base and Keeper Plate	635.53	26.56
		Note: For anchor unit.		
34 71 13 26-0166		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0155)*		
34 71 13 26-0167	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	987.12	326.75
34 71 13 26-0168	EA	Turnbuckle Cable End Assembly	346.17	16.34
34 71 13 26-0169	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,146.19	8.12
34 71 13 26-0170	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,178.63	8.12
34 71 13 26-0171	EA	Breakaway Anchor Angle	443.48	16.34
34 71 13 26-0172	EA	Standard End Post Cap Assembly	205.46	8.12
34 71 13 26-0173	EA	Driveway End Post Cap Assembly	173.02	8.12
34 71 13 26-0174	EA	End Post Ground Support Plates	91.93	8.12
34 71 13 26-0175	EA	11" Stud Bolt, Cable Guide Rail	79.76	8.12
34 71 13 26-0176	EA	18" Stud Bolt, Cable Guide Rail	95.98	8.12
34 71 13 26-0177	EA	25" Stud Bolt, Cable Guide Rail	112.20	8.12
34 71 13 26-0178	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	994.94	16.34
34 71 13 26-0179	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,059.82	16.34
34 71 13 26-0180	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	702.99	16.34
34 71 13 26-0181	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	432.53	8.12
34 71 13 26-0182	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	443.48	16.34
34 71 13 26-0183	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	470.53	24.46
34 71 13 26-0184		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0155)*		
34 71 13 26-0185	EA	Turnbuckle Cable End Assembly	791.88	22.18
		Note: For use with slip impact post.		
34 71 13 26-0186	EA	Spring Cable End Assembly (Compensating Device)	1,570.41	22.18
		Note: For use with slip impact post.		
34 71 13 26-0187	EA	Anchor Angle For Slip Impact Post System	451.27	22.18
34 71 13 26-0188	EA	Cable End Assembly Rod	370.18	22.18
		Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0189		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0155)*		
		Note: Includes associated hardware.		
34 71 13 26-0190	LF	Retention Existing Cable (Each Cable)	2.18	
34 71 13 26-0191	LF	Removal And Storage Of Cable Guide Railing	13.13	
34 71 13 26-0192	EA	Install Stored Post For Cable Guide Railing	88.53	
34 71 13 26-0193	LF	Install Stored Cable, (Each Cable)	5.81	
		Note: Includes retensioning. Excludes splices.		
34 71 13 26-0194		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0195		**Timber Guide Rail Posts** *(34 71 13 26-0194)*		
34 71 13 26-0196	EA	6" x 8" Timber Guide Rail Post	126.44	16.31
34 71 13 26-0197	EA	6" x 9" Timber Guide Rail Post	143.42	16.31
34 71 13 26-0198	EA	10" x 10" Timber Guide Rail Post	276.48	16.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199	EA	10" x 12" Timber Guide Rail Post	292.35	16.31
34 71 13 26-0200	EA	12" x 12" Timber Guide Rail Post	337.58	16.31
34 71 13 26-0201		**Timber Guide Rails** *(34 71 13 26-0194)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0202	LF	4" x 8" Timber Guide Rail	14.36	1.95
34 71 13 26-0203	LF	4" x 9" Timber Guide Rail	15.67	1.95
34 71 13 26-0204	LF	6" x 10" Timber Guide Rail	21.78	1.95
34 71 13 26-0205	LF	6" x 12" Timber Guide Rail	25.36	1.95
34 71 13 26-0206		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0194)*		
34 71 13 26-0207	EA	4" x 9" Spacer Block For Timber Guide Rails	20.43	2.61
34 71 13 26-0208	EA	6" x 8" Spacer Block For Timber Guide Rails	23.36	2.61
34 71 13 26-0209	EA	8" x 8" Spacer Block For Timber Guide Rails	27.09	2.61
34 71 13 26-0210		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0194)*		
34 71 13 26-0211	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	27.74	1.63
34 71 13 26-0212		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0194)*		
34 71 13 26-0213	EA	Weathering Steel Splice Plate For Timber Guide Rails	196.90	22.83
34 71 13 26-0214	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	124.19	16.31
34 71 13 26-0215		**Individual Concrete Guard Rail Posts** *(34 71 13 26)*		
34 71 13 26-0216	EA	6'-5" Concrete Guard Rail Posts, Round	109.38	10.12
34 71 13 26-0217	EA	6'-5" Concrete Posts, Square	122.49	11.39
34 71 13 26-0218	EA	6'-5" Concrete Posts, Triangular	119.50	11.39

END OF SECTION 34

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment *(35)*

35 22 Hydraulic Gates *(35 20)*

35 22 59 Hydraulic Closure Gates *(35 22)*

35 22 59 00-0001 316L Stainless Steel, Pontoon Tide Gates *(35 22 59)*

35 22 59 00-0002	EA	24" x 24", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		34,442.85	777.61
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0003	EA	30" x 30", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		36,636.93	888.70
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0004	EA	36" x 36", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		38,011.71	1,110.91
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0005	EA	42" x 42", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		41,427.46	1,352.35
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0006	EA	48" x 48", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		48,249.76	1,829.70
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0007	EA	54" x 54", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		53,939.91	2,592.04
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0008	EA	60" x 60", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		64,738.13	3,888.02
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0009	EA	66" x 66", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		72,643.96	6,220.83
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*3,013.35*	
35 22 59 00-0010	EA	72" x 72", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		79,253.77	7,776.04
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*4,017.80*	
35 22 59 00-0011	EA	78" x 78", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		85,260.92	9,331.25
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*4,017.80*	
35 22 59 00-0012	EA	84" x 84", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		97,479.45	10,876.74
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*4,017.80*	
35 22 59 00-0013	EA	90" x 90", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		110,099.76	12,422.22
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*4,017.80*	
35 22 59 00-0014	EA	96" x 96", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		124,356.33	14,346.80
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*4,017.80*	
35 22 59 00-0015	EA	102" x 102", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		141,010.61	16,504.65
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*5,022.25*	
35 22 59 00-0016	EA	108" x 108", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		157,463.97	18,662.50
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*5,022.25*	
35 22 59 00-0017	EA	114" x 114", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		181,680.52	24,634.50
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*5,022.25*	
35 22 59 00-0018	EA	120" x 120", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		207,206.02	30,909.76
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*6,026.70*	
35 22 59 00-0019	EA	132" x 132", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		253,053.74	37,324.92
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*6,026.70*	
35 22 59 00-0020	EA	144" x 144", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)		305,867.92	44,906.62
		For Pull Box, Add		*1,707.56*	
		For 20' Of Stainless Steel Chain, Add		*7,031.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*
Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.67	297.55
		For Class 52 Rating, Deduct	*-67.08*	
		For Class 54 Rating, Add	*96.88*	
		For Class 55 Rating, Add	*146.81*	
		For Class 56 Rating, Add	*196.13*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,133.81	302.76
		For Class 52 Rating, Deduct	*-74.26*	
		For Class 54 Rating, Add	*106.77*	
		For Class 55 Rating, Add	*161.55*	
		For Class 56 Rating, Add	*215.66*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.94	307.96
		For Class 52 Rating, Deduct	*-81.44*	
		For Class 54 Rating, Add	*116.65*	
		For Class 55 Rating, Add	*176.29*	
		For Class 56 Rating, Add	*235.20*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.07	313.16
		For Class 52 Rating, Deduct	*-88.61*	
		For Class 54 Rating, Add	*126.53*	
		For Class 55 Rating, Add	*191.03*	
		For Class 56 Rating, Add	*254.73*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.20	318.37
		For Class 52 Rating, Deduct	*-95.79*	
		For Class 54 Rating, Add	*136.41*	
		For Class 55 Rating, Add	*205.77*	
		For Class 56 Rating, Add	*274.26*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.33	323.57
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*146.30*	
		For Class 55 Rating, Add	*220.51*	
		For Class 56 Rating, Add	*293.79*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,499.46	328.77
		For Class 52 Rating, Deduct	*-110.15*	
		For Class 54 Rating, Add	*156.18*	
		For Class 55 Rating, Add	*235.25*	
		For Class 56 Rating, Add	*313.33*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,572.60	333.97
		For Class 52 Rating, Deduct	*-117.32*	
		For Class 54 Rating, Add	*166.06*	
		For Class 55 Rating, Add	*249.99*	
		For Class 56 Rating, Add	*332.86*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,645.73	339.17
		For Class 52 Rating, Deduct	*-124.50*	
		For Class 54 Rating, Add	*175.94*	
		For Class 55 Rating, Add	*264.73*	
		For Class 56 Rating, Add	*352.39*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.86	344.37
		For Class 52 Rating, Deduct	*-131.68*	
		For Class 54 Rating, Add	*185.82*	
		For Class 55 Rating, Add	*279.47*	
		For Class 56 Rating, Add	*371.92*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.99	349.57
		For Class 52 Rating, Deduct	*-138.86*	
		For Class 54 Rating, Add	*195.71*	
		For Class 55 Rating, Add	*294.21*	
		For Class 56 Rating, Add	*391.46*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,865.12	354.77
		For Class 52 Rating, Deduct	*-146.03*	
		For Class 54 Rating, Add	*205.59*	
		For Class 55 Rating, Add	*308.95*	
		For Class 56 Rating, Add	*410.99*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,938.25	359.98
		For Class 52 Rating, Deduct	*-153.21*	
		For Class 54 Rating, Add	*215.47*	
		For Class 55 Rating, Add	*323.69*	
		For Class 56 Rating, Add	*430.52*	
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,011.38	365.18
		For Class 52 Rating, Deduct	*-160.39*	
		For Class 54 Rating, Add	*225.35*	
		For Class 55 Rating, Add	*338.43*	
		For Class 56 Rating, Add	*450.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,084.51	370.38
		For Class 52 Rating, Deduct	*-167.57*	
		For Class 54 Rating, Add	*235.23*	
		For Class 55 Rating, Add	*353.17*	
		For Class 56 Rating, Add	*469.58*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,157.64	375.58
		For Class 52 Rating, Deduct	*-174.74*	
		For Class 54 Rating, Add	*245.12*	
		For Class 55 Rating, Add	*367.91*	
		For Class 56 Rating, Add	*489.12*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,230.77	380.79
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*255.00*	
		For Class 55 Rating, Add	*382.65*	
		For Class 56 Rating, Add	*508.65*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,303.91	385.99
		For Class 52 Rating, Deduct	*-189.10*	
		For Class 54 Rating, Add	*264.88*	
		For Class 55 Rating, Add	*397.39*	
		For Class 56 Rating, Add	*528.18*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,377.04	391.19
		For Class 52 Rating, Deduct	*-196.28*	
		For Class 54 Rating, Add	*274.76*	
		For Class 55 Rating, Add	*412.13*	
		For Class 56 Rating, Add	*547.71*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.17	396.39
		For Class 52 Rating, Deduct	*-203.45*	
		For Class 54 Rating, Add	*284.64*	
		For Class 55 Rating, Add	*426.87*	
		For Class 56 Rating, Add	*567.25*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,523.29	401.60
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*294.52*	
		For Class 55 Rating, Add	*441.61*	
		For Class 56 Rating, Add	*586.78*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,596.42	406.80
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*304.41*	
		For Class 55 Rating, Add	*456.35*	
		For Class 56 Rating, Add	*606.31*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,669.56	412.00
		For Class 52 Rating, Deduct	*-224.99*	
		For Class 54 Rating, Add	*314.29*	
		For Class 55 Rating, Add	*471.09*	
		For Class 56 Rating, Add	*625.84*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,742.69	417.20
		For Class 52 Rating, Deduct	*-232.16*	
		For Class 54 Rating, Add	*324.17*	
		For Class 55 Rating, Add	*485.83*	
		For Class 56 Rating, Add	*645.37*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.82	422.41
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*334.05*	
		For Class 55 Rating, Add	*500.57*	
		For Class 56 Rating, Add	*664.91*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,888.95	427.61
		For Class 52 Rating, Deduct	*-246.52*	
		For Class 54 Rating, Add	*343.94*	
		For Class 55 Rating, Add	*515.31*	
		For Class 56 Rating, Add	*684.44*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,962.08	432.81
		For Class 52 Rating, Deduct	*-253.70*	
		For Class 54 Rating, Add	*353.82*	
		For Class 55 Rating, Add	*530.05*	
		For Class 56 Rating, Add	*703.97*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,035.21	438.00
		For Class 52 Rating, Deduct	*-260.87*	
		For Class 54 Rating, Add	*363.70*	
		For Class 55 Rating, Add	*544.79*	
		For Class 56 Rating, Add	*723.50*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,108.35	443.21
		For Class 52 Rating, Deduct	*-268.05*	
		For Class 54 Rating, Add	*373.58*	
		For Class 55 Rating, Add	*559.53*	
		For Class 56 Rating, Add	*743.04*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,181.48	448.41
		For Class 52 Rating, Deduct	*-275.23*	
		For Class 54 Rating, Add	*383.46*	
		For Class 55 Rating, Add	*574.27*	
		For Class 56 Rating, Add	*762.57*	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.61	453.61
		For Class 52 Rating, Deduct	*-282.41*	
		For Class 54 Rating, Add	*393.35*	
		For Class 55 Rating, Add	*589.01*	
		For Class 56 Rating, Add	*782.10*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.74	458.81
		For Class 52 Rating, Deduct	*-289.58*	
		For Class 54 Rating, Add	*403.23*	
		For Class 55 Rating, Add	*603.75*	
		For Class 56 Rating, Add	*801.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,400.87	464.02
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*413.11*	
		For Class 55 Rating, Add	*618.49*	
		For Class 56 Rating, Add	*821.17*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,474.01	469.22
		For Class 52 Rating, Deduct	*-303.94*	
		For Class 54 Rating, Add	*422.99*	
		For Class 55 Rating, Add	*633.23*	
		For Class 56 Rating, Add	*840.70*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,547.14	474.42
		For Class 52 Rating, Deduct	*-311.12*	
		For Class 54 Rating, Add	*432.87*	
		For Class 55 Rating, Add	*647.97*	
		For Class 56 Rating, Add	*860.23*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,620.27	479.62
		For Class 52 Rating, Deduct	*-318.29*	
		For Class 54 Rating, Add	*442.76*	
		For Class 55 Rating, Add	*662.71*	
		For Class 56 Rating, Add	*879.76*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.40	484.83
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*452.64*	
		For Class 55 Rating, Add	*677.45*	
		For Class 56 Rating, Add	*899.30*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.53	490.03
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*462.52*	
		For Class 55 Rating, Add	*692.19*	
		For Class 56 Rating, Add	*918.83*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,839.67	495.23
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*472.40*	
		For Class 55 Rating, Add	*706.93*	
		For Class 56 Rating, Add	*938.36*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,342.96	374.54
		For Class 52 Rating, Deduct	*-85.30*	
		For Class 54 Rating, Add	*123.13*	
		For Class 55 Rating, Add	*186.55*	
		For Class 56 Rating, Add	*249.19*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,431.14	379.74
		For Class 52 Rating, Deduct	*-94.13*	
		For Class 54 Rating, Add	*135.27*	
		For Class 55 Rating, Add	*204.65*	
		For Class 56 Rating, Add	*273.17*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.33	384.95
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*147.41*	
		For Class 55 Rating, Add	*222.74*	
		For Class 56 Rating, Add	*297.14*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,607.52	390.15
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*159.55*	
		For Class 55 Rating, Add	*240.84*	
		For Class 56 Rating, Add	*321.12*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.72	395.35
		For Class 52 Rating, Deduct	*-120.64*	
		For Class 54 Rating, Add	*171.69*	
		For Class 55 Rating, Add	*258.94*	
		For Class 56 Rating, Add	*345.09*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,783.90	400.56
		For Class 52 Rating, Deduct	*-129.47*	
		For Class 54 Rating, Add	*183.83*	
		For Class 55 Rating, Add	*277.04*	
		For Class 56 Rating, Add	*369.06*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,872.09	405.76
		For Class 52 Rating, Deduct	*-138.30*	
		For Class 54 Rating, Add	*195.97*	
		For Class 55 Rating, Add	*295.13*	
		For Class 56 Rating, Add	*393.04*	
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.28	410.96
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*208.11*	
		For Class 55 Rating, Add	*313.23*	
		For Class 56 Rating, Add	*417.01*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,048.46	416.16
		For Class 52 Rating, Deduct	*-155.97*	
		For Class 54 Rating, Add	*220.25*	
		For Class 55 Rating, Add	*331.33*	
		For Class 56 Rating, Add	*440.99*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,136.65	421.37
		For Class 52 Rating, Deduct	*-164.81*	
		For Class 54 Rating, Add	*232.40*	
		For Class 55 Rating, Add	*349.43*	
		For Class 56 Rating, Add	*464.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.85	426.57
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*244.54*	
		For Class 55 Rating, Add	*367.53*	
		For Class 56 Rating, Add	*488.94*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,313.04	431.77
		For Class 52 Rating, Deduct	*-182.47*	
		For Class 54 Rating, Add	*256.68*	
		For Class 55 Rating, Add	*385.62*	
		For Class 56 Rating, Add	*512.91*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,401.22	436.96
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*268.82*	
		For Class 55 Rating, Add	*403.72*	
		For Class 56 Rating, Add	*536.88*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.41	442.17
		For Class 52 Rating, Deduct	*-200.14*	
		For Class 54 Rating, Add	*280.96*	
		For Class 55 Rating, Add	*421.82*	
		For Class 56 Rating, Add	*560.86*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,577.60	447.37
		For Class 52 Rating, Deduct	*-208.97*	
		For Class 54 Rating, Add	*293.10*	
		For Class 55 Rating, Add	*439.92*	
		For Class 56 Rating, Add	*584.83*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,665.79	452.57
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*305.24*	
		For Class 55 Rating, Add	*458.01*	
		For Class 56 Rating, Add	*608.81*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.98	457.77
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*317.38*	
		For Class 55 Rating, Add	*476.11*	
		For Class 56 Rating, Add	*632.78*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,842.17	462.98
		For Class 52 Rating, Deduct	*-235.48*	
		For Class 54 Rating, Add	*329.52*	
		For Class 55 Rating, Add	*494.21*	
		For Class 56 Rating, Add	*656.76*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,930.36	468.18
		For Class 52 Rating, Deduct	*-244.31*	
		For Class 54 Rating, Add	*341.66*	
		For Class 55 Rating, Add	*512.31*	
		For Class 56 Rating, Add	*680.73*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,018.54	473.38
		For Class 52 Rating, Deduct	*-253.14*	
		For Class 54 Rating, Add	*353.80*	
		For Class 55 Rating, Add	*530.40*	
		For Class 56 Rating, Add	*704.70*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,106.74	478.58
		For Class 52 Rating, Deduct	*-261.98*	
		For Class 54 Rating, Add	*365.94*	
		For Class 55 Rating, Add	*548.50*	
		For Class 56 Rating, Add	*728.68*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,194.93	483.79
		For Class 52 Rating, Deduct	*-270.81*	
		For Class 54 Rating, Add	*378.08*	
		For Class 55 Rating, Add	*566.60*	
		For Class 56 Rating, Add	*752.65*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,283.11	488.99
		For Class 52 Rating, Deduct	*-279.64*	
		For Class 54 Rating, Add	*390.22*	
		For Class 55 Rating, Add	*584.70*	
		For Class 56 Rating, Add	*776.63*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.30	494.19
		For Class 52 Rating, Deduct	*-288.48*	
		For Class 54 Rating, Add	*402.36*	
		For Class 55 Rating, Add	*602.79*	
		For Class 56 Rating, Add	*800.60*	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,459.49	499.39
		For Class 52 Rating, Deduct	*-297.31*	
		For Class 54 Rating, Add	*414.51*	
		For Class 55 Rating, Add	*620.89*	
		For Class 56 Rating, Add	*824.58*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,547.69	504.60
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*426.65*	
		For Class 55 Rating, Add	*638.99*	
		For Class 56 Rating, Add	*848.55*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,635.87	509.80
		For Class 52 Rating, Deduct	*-314.98*	
		For Class 54 Rating, Add	*438.79*	
		For Class 55 Rating, Add	*657.09*	
		For Class 56 Rating, Add	*872.52*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,724.06	515.00
		For Class 52 Rating, Deduct	*-323.81*	
		For Class 54 Rating, Add	*450.93*	
		For Class 55 Rating, Add	*675.19*	
		For Class 56 Rating, Add	*896.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,812.25	520.20
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*463.07*	
		For Class 55 Rating, Add	*693.28*	
		For Class 56 Rating, Add	*920.48*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,900.44	525.41
		For Class 52 Rating, Deduct	*-341.48*	
		For Class 54 Rating, Add	*475.21*	
		For Class 55 Rating, Add	*711.38*	
		For Class 56 Rating, Add	*944.45*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,988.62	530.60
		For Class 52 Rating, Deduct	*-350.31*	
		For Class 54 Rating, Add	*487.35*	
		For Class 55 Rating, Add	*729.48*	
		For Class 56 Rating, Add	*968.42*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,076.82	535.80
		For Class 52 Rating, Deduct	*-359.15*	
		For Class 54 Rating, Add	*499.49*	
		For Class 55 Rating, Add	*747.58*	
		For Class 56 Rating, Add	*992.40*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,165.01	541.00
		For Class 52 Rating, Deduct	*-367.98*	
		For Class 54 Rating, Add	*511.63*	
		For Class 55 Rating, Add	*765.67*	
		For Class 56 Rating, Add	*1,016.37*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,253.19	546.21
		For Class 52 Rating, Deduct	*-376.82*	
		For Class 54 Rating, Add	*523.77*	
		For Class 55 Rating, Add	*783.77*	
		For Class 56 Rating, Add	*1,040.35*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,341.38	551.41
		For Class 52 Rating, Deduct	*-385.65*	
		For Class 54 Rating, Add	*535.91*	
		For Class 55 Rating, Add	*801.87*	
		For Class 56 Rating, Add	*1,064.32*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,429.57	556.61
		For Class 52 Rating, Deduct	*-394.48*	
		For Class 54 Rating, Add	*548.05*	
		For Class 55 Rating, Add	*819.97*	
		For Class 56 Rating, Add	*1,088.30*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,517.77	561.81
		For Class 52 Rating, Deduct	*-403.32*	
		For Class 54 Rating, Add	*560.19*	
		For Class 55 Rating, Add	*838.07*	
		For Class 56 Rating, Add	*1,112.27*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,605.95	567.02
		For Class 52 Rating, Deduct	*-412.15*	
		For Class 54 Rating, Add	*572.33*	
		For Class 55 Rating, Add	*856.16*	
		For Class 56 Rating, Add	*1,136.24*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,694.14	572.22
		For Class 52 Rating, Deduct	*-420.99*	
		For Class 54 Rating, Add	*584.48*	
		For Class 55 Rating, Add	*874.26*	
		For Class 56 Rating, Add	*1,160.22*	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,867.00	478.58
		For Class 52 Rating, Deduct	*-125.61*	
		For Class 54 Rating, Add	*179.98*	
		For Class 55 Rating, Add	*272.04*	
		For Class 56 Rating, Add	*362.96*	
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.30	483.79
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*196.64*	
		For Class 55 Rating, Add	*296.85*	
		For Class 56 Rating, Add	*395.81*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,103.60	488.99
		For Class 52 Rating, Deduct	*-149.90*	
		For Class 54 Rating, Add	*213.30*	
		For Class 55 Rating, Add	*321.67*	
		For Class 56 Rating, Add	*428.67*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,221.91	494.19
		For Class 52 Rating, Deduct	*-162.05*	
		For Class 54 Rating, Add	*229.96*	
		For Class 55 Rating, Add	*346.48*	
		For Class 56 Rating, Add	*461.53*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,340.21	499.39
		For Class 52 Rating, Deduct	*-174.19*	
		For Class 54 Rating, Add	*246.61*	
		For Class 55 Rating, Add	*371.29*	
		For Class 56 Rating, Add	*494.39*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,458.52	504.60
		For Class 52 Rating, Deduct	*-186.34*	
		For Class 54 Rating, Add	*263.27*	
		For Class 55 Rating, Add	*396.11*	
		For Class 56 Rating, Add	*527.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.82	509.80
		For Class 52 Rating, Deduct	*-198.48*	
		For Class 54 Rating, Add	*279.93*	
		For Class 55 Rating, Add	*420.92*	
		For Class 56 Rating, Add	*560.11*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,695.12	515.00
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*296.59*	
		For Class 55 Rating, Add	*445.73*	
		For Class 56 Rating, Add	*592.96*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.43	520.20
		For Class 52 Rating, Deduct	*-222.78*	
		For Class 54 Rating, Add	*313.25*	
		For Class 55 Rating, Add	*470.55*	
		For Class 56 Rating, Add	*625.82*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,931.73	525.41
		For Class 52 Rating, Deduct	*-234.92*	
		For Class 54 Rating, Add	*329.90*	
		For Class 55 Rating, Add	*495.36*	
		For Class 56 Rating, Add	*658.68*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,050.03	530.60
		For Class 52 Rating, Deduct	*-247.07*	
		For Class 54 Rating, Add	*346.56*	
		For Class 55 Rating, Add	*520.17*	
		For Class 56 Rating, Add	*691.54*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,168.34	535.80
		For Class 52 Rating, Deduct	*-259.22*	
		For Class 54 Rating, Add	*363.22*	
		For Class 55 Rating, Add	*544.99*	
		For Class 56 Rating, Add	*724.40*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,286.65	541.00
		For Class 52 Rating, Deduct	*-271.36*	
		For Class 54 Rating, Add	*379.88*	
		For Class 55 Rating, Add	*569.80*	
		For Class 56 Rating, Add	*757.26*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,404.95	546.21
		For Class 52 Rating, Deduct	*-283.51*	
		For Class 54 Rating, Add	*396.54*	
		For Class 55 Rating, Add	*594.61*	
		For Class 56 Rating, Add	*790.11*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,523.25	551.41
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*413.19*	
		For Class 55 Rating, Add	*619.43*	
		For Class 56 Rating, Add	*822.97*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,641.55	556.61
		For Class 52 Rating, Deduct	*-307.80*	
		For Class 54 Rating, Add	*429.85*	
		For Class 55 Rating, Add	*644.24*	
		For Class 56 Rating, Add	*855.83*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.87	561.81
		For Class 52 Rating, Deduct	*-319.95*	
		For Class 54 Rating, Add	*446.51*	
		For Class 55 Rating, Add	*669.05*	
		For Class 56 Rating, Add	*888.69*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,878.17	567.02
		For Class 52 Rating, Deduct	*-332.10*	
		For Class 54 Rating, Add	*463.17*	
		For Class 55 Rating, Add	*693.87*	
		For Class 56 Rating, Add	*921.55*	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.47	572.22
		For Class 52 Rating, Deduct	*-344.24*	
		For Class 54 Rating, Add	*479.82*	
		For Class 55 Rating, Add	*718.68*	
		For Class 56 Rating, Add	*954.41*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.77	577.42
		For Class 52 Rating, Deduct	*-356.39*	
		For Class 54 Rating, Add	*496.48*	
		For Class 55 Rating, Add	*743.49*	
		For Class 56 Rating, Add	*987.26*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,233.08	582.62
		For Class 52 Rating, Deduct	*-368.54*	
		For Class 54 Rating, Add	*513.14*	
		For Class 55 Rating, Add	*768.31*	
		For Class 56 Rating, Add	*1,020.12*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.39	587.83
		For Class 52 Rating, Deduct	*-380.68*	
		For Class 54 Rating, Add	*529.80*	
		For Class 55 Rating, Add	*793.12*	
		For Class 56 Rating, Add	*1,052.98*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,469.69	593.03
		For Class 52 Rating, Deduct	*-392.83*	
		For Class 54 Rating, Add	*546.46*	
		For Class 55 Rating, Add	*817.93*	
		For Class 56 Rating, Add	*1,085.84*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,587.99	598.23
		For Class 52 Rating, Deduct	*-404.97*	
		For Class 54 Rating, Add	*563.11*	
		For Class 55 Rating, Add	*842.75*	
		For Class 56 Rating, Add	*1,118.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,706.30	603.43
		For Class 52 Rating, Deduct	*-417.12*	
		For Class 54 Rating, Add	*579.77*	
		For Class 55 Rating, Add	*867.56*	
		For Class 56 Rating, Add	*1,151.56*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,824.60	608.64
		For Class 52 Rating, Deduct	*-429.27*	
		For Class 54 Rating, Add	*596.43*	
		For Class 55 Rating, Add	*892.37*	
		For Class 56 Rating, Add	*1,184.41*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,942.91	613.84
		For Class 52 Rating, Deduct	*-441.41*	
		For Class 54 Rating, Add	*613.09*	
		For Class 55 Rating, Add	*917.19*	
		For Class 56 Rating, Add	*1,217.27*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,061.21	619.04
		For Class 52 Rating, Deduct	*-453.56*	
		For Class 54 Rating, Add	*629.75*	
		For Class 55 Rating, Add	*942.00*	
		For Class 56 Rating, Add	*1,250.13*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.52	624.24
		For Class 52 Rating, Deduct	*-465.71*	
		For Class 54 Rating, Add	*646.40*	
		For Class 55 Rating, Add	*966.81*	
		For Class 56 Rating, Add	*1,282.99*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,297.82	629.44
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*663.06*	
		For Class 55 Rating, Add	*991.63*	
		For Class 56 Rating, Add	*1,315.85*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,416.12	634.64
		For Class 52 Rating, Deduct	*-490.00*	
		For Class 54 Rating, Add	*679.72*	
		For Class 55 Rating, Add	*1,016.44*	
		For Class 56 Rating, Add	*1,348.71*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,534.42	639.84
		For Class 52 Rating, Deduct	*-502.15*	
		For Class 54 Rating, Add	*696.38*	
		For Class 55 Rating, Add	*1,041.25*	
		For Class 56 Rating, Add	*1,381.56*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,652.73	645.04
		For Class 52 Rating, Deduct	*-514.29*	
		For Class 54 Rating, Add	*713.04*	
		For Class 55 Rating, Add	*1,066.07*	
		For Class 56 Rating, Add	*1,414.42*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,771.04	650.25
		For Class 52 Rating, Deduct	*-526.44*	
		For Class 54 Rating, Add	*729.69*	
		For Class 55 Rating, Add	*1,090.88*	
		For Class 56 Rating, Add	*1,447.28*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,889.34	655.45
		For Class 52 Rating, Deduct	*-538.59*	
		For Class 54 Rating, Add	*746.35*	
		For Class 55 Rating, Add	*1,115.69*	
		For Class 56 Rating, Add	*1,480.14*	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,007.64	660.65
		For Class 52 Rating, Deduct	*-550.73*	
		For Class 54 Rating, Add	*763.01*	
		For Class 55 Rating, Add	*1,140.51*	
		For Class 56 Rating, Add	*1,513.00*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,125.94	665.85
		For Class 52 Rating, Deduct	*-562.88*	
		For Class 54 Rating, Add	*779.67*	
		For Class 55 Rating, Add	*1,165.32*	
		For Class 56 Rating, Add	*1,545.85*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,244.26	671.06
		For Class 52 Rating, Deduct	*-575.03*	
		For Class 54 Rating, Add	*796.33*	
		For Class 55 Rating, Add	*1,190.13*	
		For Class 56 Rating, Add	*1,578.72*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,362.56	676.26
		For Class 52 Rating, Deduct	*-587.17*	
		For Class 54 Rating, Add	*812.98*	
		For Class 55 Rating, Add	*1,214.95*	
		For Class 56 Rating, Add	*1,611.57*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,348.37	582.62
		For Class 52 Rating, Deduct	*-161.22*	
		For Class 54 Rating, Add	*230.43*	
		For Class 55 Rating, Add	*348.02*	
		For Class 56 Rating, Add	*464.13*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,501.81	587.83
		For Class 52 Rating, Deduct	*-177.23*	
		For Class 54 Rating, Add	*252.36*	
		For Class 55 Rating, Add	*380.66*	
		For Class 56 Rating, Add	*507.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,655.25	593.03
		For Class 52 Rating, Deduct	*-193.24*	
		For Class 54 Rating, Add	*274.29*	
		For Class 55 Rating, Add	*413.31*	
		For Class 56 Rating, Add	*550.58*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,808.69	598.23
		For Class 52 Rating, Deduct	*-209.25*	
		For Class 54 Rating, Add	*296.22*	
		For Class 55 Rating, Add	*445.96*	
		For Class 56 Rating, Add	*593.80*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,962.12	603.43
		For Class 52 Rating, Deduct	*-225.26*	
		For Class 54 Rating, Add	*318.15*	
		For Class 55 Rating, Add	*478.61*	
		For Class 56 Rating, Add	*637.02*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,115.56	608.64
		For Class 52 Rating, Deduct	*-241.27*	
		For Class 54 Rating, Add	*340.07*	
		For Class 55 Rating, Add	*511.26*	
		For Class 56 Rating, Add	*680.25*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.01	613.84
		For Class 52 Rating, Deduct	*-257.28*	
		For Class 54 Rating, Add	*362.00*	
		For Class 55 Rating, Add	*543.91*	
		For Class 56 Rating, Add	*723.47*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,422.44	619.04
		For Class 52 Rating, Deduct	*-273.30*	
		For Class 54 Rating, Add	*383.93*	
		For Class 55 Rating, Add	*576.55*	
		For Class 56 Rating, Add	*766.69*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,575.88	624.24
		For Class 52 Rating, Deduct	*-289.31*	
		For Class 54 Rating, Add	*405.86*	
		For Class 55 Rating, Add	*609.20*	
		For Class 56 Rating, Add	*809.92*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,729.32	629.44
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*427.79*	
		For Class 55 Rating, Add	*641.85*	
		For Class 56 Rating, Add	*853.14*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,882.75	634.64
		For Class 52 Rating, Deduct	*-321.33*	
		For Class 54 Rating, Add	*449.71*	
		For Class 55 Rating, Add	*674.50*	
		For Class 56 Rating, Add	*896.36*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,036.19	639.84
		For Class 52 Rating, Deduct	*-337.34*	
		For Class 54 Rating, Add	*471.64*	
		For Class 55 Rating, Add	*707.15*	
		For Class 56 Rating, Add	*939.59*	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.64	645.04
		For Class 52 Rating, Deduct	*-353.35*	
		For Class 54 Rating, Add	*493.57*	
		For Class 55 Rating, Add	*739.80*	
		For Class 56 Rating, Add	*982.81*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,343.07	650.25
		For Class 52 Rating, Deduct	*-369.36*	
		For Class 54 Rating, Add	*515.50*	
		For Class 55 Rating, Add	*772.44*	
		For Class 56 Rating, Add	*1,026.03*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,496.51	655.45
		For Class 52 Rating, Deduct	*-385.37*	
		For Class 54 Rating, Add	*537.43*	
		For Class 55 Rating, Add	*805.09*	
		For Class 56 Rating, Add	*1,069.25*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,649.95	660.65
		For Class 52 Rating, Deduct	*-401.39*	
		For Class 54 Rating, Add	*559.36*	
		For Class 55 Rating, Add	*837.74*	
		For Class 56 Rating, Add	*1,112.48*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,803.39	665.85
		For Class 52 Rating, Deduct	*-417.40*	
		For Class 54 Rating, Add	*581.28*	
		For Class 55 Rating, Add	*870.39*	
		For Class 56 Rating, Add	*1,155.70*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,956.83	671.06
		For Class 52 Rating, Deduct	*-433.41*	
		For Class 54 Rating, Add	*603.21*	
		For Class 55 Rating, Add	*903.04*	
		For Class 56 Rating, Add	*1,198.92*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,110.27	676.26
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*625.14*	
		For Class 55 Rating, Add	*935.69*	
		For Class 56 Rating, Add	*1,242.15*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,263.71	681.46
		For Class 52 Rating, Deduct	*-465.43*	
		For Class 54 Rating, Add	*647.07*	
		For Class 55 Rating, Add	*968.34*	
		For Class 56 Rating, Add	*1,285.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,417.14	686.66
		For Class 52 Rating, Deduct	*-481.44*	
		For Class 54 Rating, Add	*669.00*	
		For Class 55 Rating, Add	*1,000.98*	
		For Class 56 Rating, Add	*1,328.59*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,570.58	691.87
		For Class 52 Rating, Deduct	*-497.45*	
		For Class 54 Rating, Add	*690.92*	
		For Class 55 Rating, Add	*1,033.63*	
		For Class 56 Rating, Add	*1,371.82*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,724.03	697.07
		For Class 52 Rating, Deduct	*-513.46*	
		For Class 54 Rating, Add	*712.85*	
		For Class 55 Rating, Add	*1,066.28*	
		For Class 56 Rating, Add	*1,415.04*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,877.46	702.27
		For Class 52 Rating, Deduct	*-529.48*	
		For Class 54 Rating, Add	*734.78*	
		For Class 55 Rating, Add	*1,098.93*	
		For Class 56 Rating, Add	*1,458.26*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,030.90	707.47
		For Class 52 Rating, Deduct	*-545.49*	
		For Class 54 Rating, Add	*756.71*	
		For Class 55 Rating, Add	*1,131.58*	
		For Class 56 Rating, Add	*1,501.49*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,184.34	712.68
		For Class 52 Rating, Deduct	*-561.50*	
		For Class 54 Rating, Add	*778.64*	
		For Class 55 Rating, Add	*1,164.23*	
		For Class 56 Rating, Add	*1,544.71*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,337.77	717.88
		For Class 52 Rating, Deduct	*-577.51*	
		For Class 54 Rating, Add	*800.56*	
		For Class 55 Rating, Add	*1,196.87*	
		For Class 56 Rating, Add	*1,587.93*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,491.22	723.07
		For Class 52 Rating, Deduct	*-593.52*	
		For Class 54 Rating, Add	*822.49*	
		For Class 55 Rating, Add	*1,229.52*	
		For Class 56 Rating, Add	*1,631.15*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,644.66	728.27
		For Class 52 Rating, Deduct	*-609.53*	
		For Class 54 Rating, Add	*844.42*	
		For Class 55 Rating, Add	*1,262.17*	
		For Class 56 Rating, Add	*1,674.38*	
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,798.09	733.48
		For Class 52 Rating, Deduct	*-625.54*	
		For Class 54 Rating, Add	*866.35*	
		For Class 55 Rating, Add	*1,294.82*	
		For Class 56 Rating, Add	*1,717.60*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,951.53	738.68
		For Class 52 Rating, Deduct	*-641.55*	
		For Class 54 Rating, Add	*888.28*	
		For Class 55 Rating, Add	*1,327.47*	
		For Class 56 Rating, Add	*1,760.82*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,102.46	743.88
		For Class 52 Rating, Deduct	*-657.29*	
		For Class 54 Rating, Add	*909.83*	
		For Class 55 Rating, Add	*1,359.56*	
		For Class 56 Rating, Add	*1,803.31*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,258.41	749.08
		For Class 52 Rating, Deduct	*-673.58*	
		For Class 54 Rating, Add	*932.13*	
		For Class 55 Rating, Add	*1,392.76*	
		For Class 56 Rating, Add	*1,847.27*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,411.85	754.29
		For Class 52 Rating, Deduct	*-689.59*	
		For Class 54 Rating, Add	*954.06*	
		For Class 55 Rating, Add	*1,425.41*	
		For Class 56 Rating, Add	*1,890.49*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,565.29	759.49
		For Class 52 Rating, Deduct	*-705.60*	
		For Class 54 Rating, Add	*975.99*	
		For Class 55 Rating, Add	*1,458.06*	
		For Class 56 Rating, Add	*1,933.72*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,718.72	764.69
		For Class 52 Rating, Deduct	*-721.61*	
		For Class 54 Rating, Add	*997.92*	
		For Class 55 Rating, Add	*1,490.71*	
		For Class 56 Rating, Add	*1,976.94*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,872.15	769.89
		For Class 52 Rating, Deduct	*-737.62*	
		For Class 54 Rating, Add	*1,019.85*	
		For Class 55 Rating, Add	*1,523.36*	
		For Class 56 Rating, Add	*2,020.16*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,025.59	775.10
		For Class 52 Rating, Deduct	*-753.63*	
		For Class 54 Rating, Add	*1,041.77*	
		For Class 55 Rating, Add	*1,556.00*	
		For Class 56 Rating, Add	*2,063.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,179.03	780.30
		For Class 52 Rating, Deduct	*-769.64*	
		For Class 54 Rating, Add	*1,063.70*	
		For Class 55 Rating, Add	*1,588.65*	
		For Class 56 Rating, Add	*2,106.61*	
40 05 19 00-0163		12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.97	728.27
		For Class 52 Rating, Deduct	*-215.88*	
		For Class 54 Rating, Add	*307.62*	
		For Class 55 Rating, Add	*464.12*	
		For Class 56 Rating, Add	*618.67*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,257.05	733.48
		For Class 52 Rating, Deduct	*-236.03*	
		For Class 54 Rating, Add	*335.19*	
		For Class 55 Rating, Add	*505.17*	
		For Class 56 Rating, Add	*672.99*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,448.13	738.68
		For Class 52 Rating, Deduct	*-256.18*	
		For Class 54 Rating, Add	*362.77*	
		For Class 55 Rating, Add	*546.21*	
		For Class 56 Rating, Add	*727.32*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,639.21	743.88
		For Class 52 Rating, Deduct	*-276.33*	
		For Class 54 Rating, Add	*390.34*	
		For Class 55 Rating, Add	*587.25*	
		For Class 56 Rating, Add	*781.65*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,830.30	749.08
		For Class 52 Rating, Deduct	*-296.48*	
		For Class 54 Rating, Add	*417.92*	
		For Class 55 Rating, Add	*628.29*	
		For Class 56 Rating, Add	*835.98*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,021.38	754.29
		For Class 52 Rating, Deduct	*-316.64*	
		For Class 54 Rating, Add	*445.49*	
		For Class 55 Rating, Add	*669.34*	
		For Class 56 Rating, Add	*890.30*	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.46	759.49
		For Class 52 Rating, Deduct	*-336.79*	
		For Class 54 Rating, Add	*473.07*	
		For Class 55 Rating, Add	*710.38*	
		For Class 56 Rating, Add	*944.63*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,403.54	764.69
		For Class 52 Rating, Deduct	*-356.94*	
		For Class 54 Rating, Add	*500.64*	
		For Class 55 Rating, Add	*751.42*	
		For Class 56 Rating, Add	*998.96*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,594.61	769.89
		For Class 52 Rating, Deduct	*-377.09*	
		For Class 54 Rating, Add	*528.21*	
		For Class 55 Rating, Add	*792.46*	
		For Class 56 Rating, Add	*1,053.29*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,785.69	775.10
		For Class 52 Rating, Deduct	*-397.24*	
		For Class 54 Rating, Add	*555.79*	
		For Class 55 Rating, Add	*833.51*	
		For Class 56 Rating, Add	*1,107.61*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,976.79	780.30
		For Class 52 Rating, Deduct	*-417.40*	
		For Class 54 Rating, Add	*583.37*	
		For Class 55 Rating, Add	*874.55*	
		For Class 56 Rating, Add	*1,161.95*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,167.87	785.50
		For Class 52 Rating, Deduct	*-437.55*	
		For Class 54 Rating, Add	*610.94*	
		For Class 55 Rating, Add	*915.60*	
		For Class 56 Rating, Add	*1,216.27*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,358.95	790.70
		For Class 52 Rating, Deduct	*-457.70*	
		For Class 54 Rating, Add	*638.51*	
		For Class 55 Rating, Add	*956.64*	
		For Class 56 Rating, Add	*1,270.60*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,550.03	795.91
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*666.09*	
		For Class 55 Rating, Add	*997.68*	
		For Class 56 Rating, Add	*1,324.93*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,741.11	801.11
		For Class 52 Rating, Deduct	*-498.01*	
		For Class 54 Rating, Add	*693.66*	
		For Class 55 Rating, Add	*1,038.72*	
		For Class 56 Rating, Add	*1,379.26*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.20	806.31
		For Class 52 Rating, Deduct	*-518.16*	
		For Class 54 Rating, Add	*721.24*	
		For Class 55 Rating, Add	*1,079.77*	
		For Class 56 Rating, Add	*1,433.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,123.28	811.52
		For Class 52 Rating, Deduct	*-538.31*	
		For Class 54 Rating, Add	*748.81*	
		For Class 55 Rating, Add	*1,120.81*	
		For Class 56 Rating, Add	*1,487.91*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,314.36	816.72
		For Class 52 Rating, Deduct	*-558.46*	
		For Class 54 Rating, Add	*776.39*	
		For Class 55 Rating, Add	*1,161.85*	
		For Class 56 Rating, Add	*1,542.24*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,505.44	821.91
		For Class 52 Rating, Deduct	*-578.61*	
		For Class 54 Rating, Add	*803.96*	
		For Class 55 Rating, Add	*1,202.89*	
		For Class 56 Rating, Add	*1,596.57*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,696.52	827.11
		For Class 52 Rating, Deduct	*-598.77*	
		For Class 54 Rating, Add	*831.54*	
		For Class 55 Rating, Add	*1,243.94*	
		For Class 56 Rating, Add	*1,650.89*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,887.61	832.32
		For Class 52 Rating, Deduct	*-618.92*	
		For Class 54 Rating, Add	*859.11*	
		For Class 55 Rating, Add	*1,284.98*	
		For Class 56 Rating, Add	*1,705.22*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,078.69	837.52
		For Class 52 Rating, Deduct	*-639.07*	
		For Class 54 Rating, Add	*886.69*	
		For Class 55 Rating, Add	*1,326.02*	
		For Class 56 Rating, Add	*1,759.55*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,269.77	842.72
		For Class 52 Rating, Deduct	*-659.22*	
		For Class 54 Rating, Add	*914.26*	
		For Class 55 Rating, Add	*1,367.07*	
		For Class 56 Rating, Add	*1,813.88*	
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,460.86	847.92
		For Class 52 Rating, Deduct	*-679.37*	
		For Class 54 Rating, Add	*941.84*	
		For Class 55 Rating, Add	*1,408.11*	
		For Class 56 Rating, Add	*1,868.21*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,651.94	853.13
		For Class 52 Rating, Deduct	*-699.53*	
		For Class 54 Rating, Add	*969.41*	
		For Class 55 Rating, Add	*1,449.15*	
		For Class 56 Rating, Add	*1,922.54*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,843.03	858.33
		For Class 52 Rating, Deduct	*-719.68*	
		For Class 54 Rating, Add	*996.99*	
		For Class 55 Rating, Add	*1,490.20*	
		For Class 56 Rating, Add	*1,976.86*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,034.11	863.53
		For Class 52 Rating, Deduct	*-739.83*	
		For Class 54 Rating, Add	*1,024.56*	
		For Class 55 Rating, Add	*1,531.24*	
		For Class 56 Rating, Add	*2,031.19*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,225.19	868.73
		For Class 52 Rating, Deduct	*-759.98*	
		For Class 54 Rating, Add	*1,052.13*	
		For Class 55 Rating, Add	*1,572.28*	
		For Class 56 Rating, Add	*2,085.52*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,416.27	873.94
		For Class 52 Rating, Deduct	*-780.13*	
		For Class 54 Rating, Add	*1,079.71*	
		For Class 55 Rating, Add	*1,613.32*	
		For Class 56 Rating, Add	*2,139.85*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,607.35	879.14
		For Class 52 Rating, Deduct	*-800.29*	
		For Class 54 Rating, Add	*1,107.28*	
		For Class 55 Rating, Add	*1,654.37*	
		For Class 56 Rating, Add	*2,194.18*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,798.43	884.34
		For Class 52 Rating, Deduct	*-820.44*	
		For Class 54 Rating, Add	*1,134.86*	
		For Class 55 Rating, Add	*1,695.41*	
		For Class 56 Rating, Add	*2,248.50*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,989.52	889.54
		For Class 52 Rating, Deduct	*-840.59*	
		For Class 54 Rating, Add	*1,162.43*	
		For Class 55 Rating, Add	*1,736.45*	
		For Class 56 Rating, Add	*2,302.83*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,180.60	894.75
		For Class 52 Rating, Deduct	*-860.74*	
		For Class 54 Rating, Add	*1,190.01*	
		For Class 55 Rating, Add	*1,777.50*	
		For Class 56 Rating, Add	*2,357.16*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,371.68	899.95
		For Class 52 Rating, Deduct	*-880.89*	
		For Class 54 Rating, Add	*1,217.58*	
		For Class 55 Rating, Add	*1,818.54*	
		For Class 56 Rating, Add	*2,411.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,562.76	905.15
		For Class 52 Rating, Deduct	*-901.05*	
		For Class 54 Rating, Add	*1,245.16*	
		For Class 55 Rating, Add	*1,859.58*	
		For Class 56 Rating, Add	*2,465.81*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,753.85	910.35
		For Class 52 Rating, Deduct	*-921.20*	
		For Class 54 Rating, Add	*1,272.73*	
		For Class 55 Rating, Add	*1,900.63*	
		For Class 56 Rating, Add	*2,520.14*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,944.94	915.56
		For Class 52 Rating, Deduct	*-941.35*	
		For Class 54 Rating, Add	*1,300.31*	
		For Class 55 Rating, Add	*1,941.67*	
		For Class 56 Rating, Add	*2,574.47*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,136.02	920.75
		For Class 52 Rating, Deduct	*-961.50*	
		For Class 54 Rating, Add	*1,327.88*	
		For Class 55 Rating, Add	*1,982.71*	
		For Class 56 Rating, Add	*2,628.80*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,327.10	925.95
		For Class 52 Rating, Deduct	*-981.66*	
		For Class 54 Rating, Add	*1,355.46*	
		For Class 55 Rating, Add	*2,023.75*	
		For Class 56 Rating, Add	*2,683.13*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,072.15	873.94
		For Class 52 Rating, Deduct	*-302.28*	
		For Class 54 Rating, Add	*428.09*	
		For Class 55 Rating, Add	*644.59*	
		For Class 56 Rating, Add	*858.33*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,303.39	879.14
		For Class 52 Rating, Deduct	*-326.85*	
		For Class 54 Rating, Add	*461.69*	
		For Class 55 Rating, Add	*694.58*	
		For Class 56 Rating, Add	*924.51*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,534.62	884.34
		For Class 52 Rating, Deduct	*-351.42*	
		For Class 54 Rating, Add	*495.29*	
		For Class 55 Rating, Add	*744.58*	
		For Class 56 Rating, Add	*990.68*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,765.87	889.54
		For Class 52 Rating, Deduct	*-375.99*	
		For Class 54 Rating, Add	*528.89*	
		For Class 55 Rating, Add	*794.58*	
		For Class 56 Rating, Add	*1,056.85*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.10	894.75
		For Class 52 Rating, Deduct	*-400.56*	
		For Class 54 Rating, Add	*562.48*	
		For Class 55 Rating, Add	*844.57*	
		For Class 56 Rating, Add	*1,123.03*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.33	899.95
		For Class 52 Rating, Deduct	*-425.13*	
		For Class 54 Rating, Add	*596.08*	
		For Class 55 Rating, Add	*894.57*	
		For Class 56 Rating, Add	*1,189.20*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,459.57	905.15
		For Class 52 Rating, Deduct	*-449.70*	
		For Class 54 Rating, Add	*629.68*	
		For Class 55 Rating, Add	*944.57*	
		For Class 56 Rating, Add	*1,255.37*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,690.80	910.35
		For Class 52 Rating, Deduct	*-474.26*	
		For Class 54 Rating, Add	*663.28*	
		For Class 55 Rating, Add	*994.57*	
		For Class 56 Rating, Add	*1,321.54*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,922.05	915.56
		For Class 52 Rating, Deduct	*-498.83*	
		For Class 54 Rating, Add	*696.87*	
		For Class 55 Rating, Add	*1,044.56*	
		For Class 56 Rating, Add	*1,387.72*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,153.28	920.75
		For Class 52 Rating, Deduct	*-523.40*	
		For Class 54 Rating, Add	*730.47*	
		For Class 55 Rating, Add	*1,094.56*	
		For Class 56 Rating, Add	*1,453.89*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,384.52	925.95
		For Class 52 Rating, Deduct	*-547.97*	
		For Class 54 Rating, Add	*764.07*	
		For Class 55 Rating, Add	*1,144.56*	
		For Class 56 Rating, Add	*1,520.07*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,615.75	931.15
		For Class 52 Rating, Deduct	*-572.54*	
		For Class 54 Rating, Add	*797.67*	
		For Class 55 Rating, Add	*1,194.56*	
		For Class 56 Rating, Add	*1,586.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,846.98	936.36
		For Class 52 Rating, Deduct	*-597.11*	
		For Class 54 Rating, Add	*831.26*	
		For Class 55 Rating, Add	*1,244.55*	
		For Class 56 Rating, Add	*1,652.41*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,078.23	941.56
		For Class 52 Rating, Deduct	*-621.68*	
		For Class 54 Rating, Add	*864.86*	
		For Class 55 Rating, Add	*1,294.55*	
		For Class 56 Rating, Add	*1,718.59*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,309.46	946.76
		For Class 52 Rating, Deduct	*-646.25*	
		For Class 54 Rating, Add	*898.46*	
		For Class 55 Rating, Add	*1,344.55*	
		For Class 56 Rating, Add	*1,784.76*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,540.70	951.96
		For Class 52 Rating, Deduct	*-670.82*	
		For Class 54 Rating, Add	*932.06*	
		For Class 55 Rating, Add	*1,394.54*	
		For Class 56 Rating, Add	*1,850.93*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,771.93	957.17
		For Class 52 Rating, Deduct	*-695.38*	
		For Class 54 Rating, Add	*965.66*	
		For Class 55 Rating, Add	*1,444.54*	
		For Class 56 Rating, Add	*1,917.10*	
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,003.17	962.37
		For Class 52 Rating, Deduct	*-719.95*	
		For Class 54 Rating, Add	*999.25*	
		For Class 55 Rating, Add	*1,494.54*	
		For Class 56 Rating, Add	*1,983.28*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,234.41	967.57
		For Class 52 Rating, Deduct	*-744.52*	
		For Class 54 Rating, Add	*1,032.85*	
		For Class 55 Rating, Add	*1,544.54*	
		For Class 56 Rating, Add	*2,049.45*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,465.65	972.77
		For Class 52 Rating, Deduct	*-769.09*	
		For Class 54 Rating, Add	*1,066.45*	
		For Class 55 Rating, Add	*1,594.53*	
		For Class 56 Rating, Add	*2,115.63*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,696.88	977.98
		For Class 52 Rating, Deduct	*-793.66*	
		For Class 54 Rating, Add	*1,100.05*	
		For Class 55 Rating, Add	*1,644.53*	
		For Class 56 Rating, Add	*2,181.80*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,928.11	983.18
		For Class 52 Rating, Deduct	*-818.23*	
		For Class 54 Rating, Add	*1,133.64*	
		For Class 55 Rating, Add	*1,694.53*	
		For Class 56 Rating, Add	*2,247.97*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,159.35	988.38
		For Class 52 Rating, Deduct	*-842.80*	
		For Class 54 Rating, Add	*1,167.24*	
		For Class 55 Rating, Add	*1,744.52*	
		For Class 56 Rating, Add	*2,314.15*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,390.58	993.58
		For Class 52 Rating, Deduct	*-867.37*	
		For Class 54 Rating, Add	*1,200.84*	
		For Class 55 Rating, Add	*1,794.52*	
		For Class 56 Rating, Add	*2,380.32*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,621.83	998.79
		For Class 52 Rating, Deduct	*-891.94*	
		For Class 54 Rating, Add	*1,234.44*	
		For Class 55 Rating, Add	*1,844.52*	
		For Class 56 Rating, Add	*2,446.49*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,853.06	1,003.99
		For Class 52 Rating, Deduct	*-916.51*	
		For Class 54 Rating, Add	*1,268.03*	
		For Class 55 Rating, Add	*1,894.52*	
		For Class 56 Rating, Add	*2,512.66*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,084.30	1,009.19
		For Class 52 Rating, Deduct	*-941.08*	
		For Class 54 Rating, Add	*1,301.63*	
		For Class 55 Rating, Add	*1,944.51*	
		For Class 56 Rating, Add	*2,578.84*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,315.53	1,014.38
		For Class 52 Rating, Deduct	*-965.64*	
		For Class 54 Rating, Add	*1,335.23*	
		For Class 55 Rating, Add	*1,994.51*	
		For Class 56 Rating, Add	*2,645.01*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,546.77	1,019.59
		For Class 52 Rating, Deduct	*-990.21*	
		For Class 54 Rating, Add	*1,368.83*	
		For Class 55 Rating, Add	*2,044.51*	
		For Class 56 Rating, Add	*2,711.19*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,778.01	1,024.79
		For Class 52 Rating, Deduct	*-1,014.78*	
		For Class 54 Rating, Add	*1,402.43*	
		For Class 55 Rating, Add	*2,094.50*	
		For Class 56 Rating, Add	*2,777.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,009.24	1,029.99
		For Class 52 Rating, Deduct	*-1,039.35*	
		For Class 54 Rating, Add	*1,436.02*	
		For Class 55 Rating, Add	*2,144.50*	
		For Class 56 Rating, Add	*2,843.53*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,240.48	1,035.19
		For Class 52 Rating, Deduct	*-1,063.92*	
		For Class 54 Rating, Add	*1,469.62*	
		For Class 55 Rating, Add	*2,194.50*	
		For Class 56 Rating, Add	*2,909.71*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,471.71	1,040.40
		For Class 52 Rating, Deduct	*-1,088.49*	
		For Class 54 Rating, Add	*1,503.22*	
		For Class 55 Rating, Add	*2,244.50*	
		For Class 56 Rating, Add	*2,975.88*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,702.95	1,045.60
		For Class 52 Rating, Deduct	*-1,113.06*	
		For Class 54 Rating, Add	*1,536.82*	
		For Class 55 Rating, Add	*2,294.49*	
		For Class 56 Rating, Add	*3,042.05*	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,934.19	1,050.80
		For Class 52 Rating, Deduct	*-1,137.63*	
		For Class 54 Rating, Add	*1,570.41*	
		For Class 55 Rating, Add	*2,344.49*	
		For Class 56 Rating, Add	*3,108.22*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,165.43	1,056.00
		For Class 52 Rating, Deduct	*-1,162.20*	
		For Class 54 Rating, Add	*1,604.01*	
		For Class 55 Rating, Add	*2,394.49*	
		For Class 56 Rating, Add	*3,174.40*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,396.66	1,061.21
		For Class 52 Rating, Deduct	*-1,186.76*	
		For Class 54 Rating, Add	*1,637.61*	
		For Class 55 Rating, Add	*2,444.49*	
		For Class 56 Rating, Add	*3,240.57*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,627.89	1,066.41
		For Class 52 Rating, Deduct	*-1,211.33*	
		For Class 54 Rating, Add	*1,671.21*	
		For Class 55 Rating, Add	*2,494.48*	
		For Class 56 Rating, Add	*3,306.74*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,770.77	998.79
		For Class 52 Rating, Deduct	*-358.32*	
		For Class 54 Rating, Add	*506.78*	
		For Class 55 Rating, Add	*762.73*	
		For Class 56 Rating, Add	*1,015.43*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.65	1,003.99
		For Class 52 Rating, Deduct	*-387.03*	
		For Class 54 Rating, Add	*546.02*	
		For Class 55 Rating, Add	*821.13*	
		For Class 56 Rating, Add	*1,092.71*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,308.53	1,009.19
		For Class 52 Rating, Deduct	*-415.74*	
		For Class 54 Rating, Add	*585.27*	
		For Class 55 Rating, Add	*879.52*	
		For Class 56 Rating, Add	*1,169.99*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,577.41	1,014.38
		For Class 52 Rating, Deduct	*-444.45*	
		For Class 54 Rating, Add	*624.51*	
		For Class 55 Rating, Add	*937.91*	
		For Class 56 Rating, Add	*1,247.27*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,846.28	1,019.59
		For Class 52 Rating, Deduct	*-473.16*	
		For Class 54 Rating, Add	*663.76*	
		For Class 55 Rating, Add	*996.30*	
		For Class 56 Rating, Add	*1,324.54*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,115.17	1,024.79
		For Class 52 Rating, Deduct	*-501.87*	
		For Class 54 Rating, Add	*703.00*	
		For Class 55 Rating, Add	*1,054.69*	
		For Class 56 Rating, Add	*1,401.82*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,384.05	1,029.99
		For Class 52 Rating, Deduct	*-530.58*	
		For Class 54 Rating, Add	*742.24*	
		For Class 55 Rating, Add	*1,113.08*	
		For Class 56 Rating, Add	*1,479.10*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,652.93	1,035.19
		For Class 52 Rating, Deduct	*-559.29*	
		For Class 54 Rating, Add	*781.49*	
		For Class 55 Rating, Add	*1,171.48*	
		For Class 56 Rating, Add	*1,556.38*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,921.81	1,040.40
		For Class 52 Rating, Deduct	*-588.00*	
		For Class 54 Rating, Add	*820.73*	
		For Class 55 Rating, Add	*1,229.87*	
		For Class 56 Rating, Add	*1,633.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,190.69	1,045.60
		For Class 52 Rating, Deduct	*-616.71*	
		For Class 54 Rating, Add	*859.98*	
		For Class 55 Rating, Add	*1,288.26*	
		For Class 56 Rating, Add	*1,710.94*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,459.57	1,050.80
		For Class 52 Rating, Deduct	*-645.42*	
		For Class 54 Rating, Add	*899.22*	
		For Class 55 Rating, Add	*1,346.65*	
		For Class 56 Rating, Add	*1,788.21*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,728.45	1,056.00
		For Class 52 Rating, Deduct	*-674.13*	
		For Class 54 Rating, Add	*938.47*	
		For Class 55 Rating, Add	*1,405.04*	
		For Class 56 Rating, Add	*1,865.49*	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,997.33	1,061.21
		For Class 52 Rating, Deduct	*-702.84*	
		For Class 54 Rating, Add	*977.71*	
		For Class 55 Rating, Add	*1,463.43*	
		For Class 56 Rating, Add	*1,942.77*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,266.21	1,066.41
		For Class 52 Rating, Deduct	*-731.55*	
		For Class 54 Rating, Add	*1,016.96*	
		For Class 55 Rating, Add	*1,521.83*	
		For Class 56 Rating, Add	*2,020.05*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,535.09	1,071.61
		For Class 52 Rating, Deduct	*-760.26*	
		For Class 54 Rating, Add	*1,056.20*	
		For Class 55 Rating, Add	*1,580.22*	
		For Class 56 Rating, Add	*2,097.33*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,803.98	1,076.81
		For Class 52 Rating, Deduct	*-788.97*	
		For Class 54 Rating, Add	*1,095.44*	
		For Class 55 Rating, Add	*1,638.61*	
		For Class 56 Rating, Add	*2,174.61*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,072.86	1,082.02
		For Class 52 Rating, Deduct	*-817.68*	
		For Class 54 Rating, Add	*1,134.69*	
		For Class 55 Rating, Add	*1,697.00*	
		For Class 56 Rating, Add	*2,251.88*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,341.73	1,087.22
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,173.93*	
		For Class 55 Rating, Add	*1,755.39*	
		For Class 56 Rating, Add	*2,329.16*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,610.61	1,092.42
		For Class 52 Rating, Deduct	*-875.10*	
		For Class 54 Rating, Add	*1,213.18*	
		For Class 55 Rating, Add	*1,813.79*	
		For Class 56 Rating, Add	*2,406.44*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,879.49	1,097.62
		For Class 52 Rating, Deduct	*-903.81*	
		For Class 54 Rating, Add	*1,252.42*	
		For Class 55 Rating, Add	*1,872.18*	
		For Class 56 Rating, Add	*2,483.72*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,148.37	1,102.83
		For Class 52 Rating, Deduct	*-932.52*	
		For Class 54 Rating, Add	*1,291.67*	
		For Class 55 Rating, Add	*1,930.57*	
		For Class 56 Rating, Add	*2,561.00*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,417.26	1,108.03
		For Class 52 Rating, Deduct	*-961.23*	
		For Class 54 Rating, Add	*1,330.91*	
		For Class 55 Rating, Add	*1,988.96*	
		For Class 56 Rating, Add	*2,638.27*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,686.14	1,113.22
		For Class 52 Rating, Deduct	*-989.94*	
		For Class 54 Rating, Add	*1,370.16*	
		For Class 55 Rating, Add	*2,047.35*	
		For Class 56 Rating, Add	*2,715.55*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,955.01	1,118.42
		For Class 52 Rating, Deduct	*-1,018.65*	
		For Class 54 Rating, Add	*1,409.40*	
		For Class 55 Rating, Add	*2,105.74*	
		For Class 56 Rating, Add	*2,792.83*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,223.89	1,123.63
		For Class 52 Rating, Deduct	*-1,047.36*	
		For Class 54 Rating, Add	*1,448.64*	
		For Class 55 Rating, Add	*2,164.14*	
		For Class 56 Rating, Add	*2,870.11*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,492.77	1,128.83
		For Class 52 Rating, Deduct	*-1,076.07*	
		For Class 54 Rating, Add	*1,487.89*	
		For Class 55 Rating, Add	*2,222.53*	
		For Class 56 Rating, Add	*2,947.39*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,761.66	1,134.03
		For Class 52 Rating, Deduct	*-1,104.78*	
		For Class 54 Rating, Add	*1,527.13*	
		For Class 55 Rating, Add	*2,280.92*	
		For Class 56 Rating, Add	*3,024.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,030.54	1,139.23
		For Class 52 Rating, Deduct	*-1,133.49*	
		For Class 54 Rating, Add	*1,566.38*	
		For Class 55 Rating, Add	*2,339.31*	
		For Class 56 Rating, Add	*3,101.94*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,299.42	1,144.44
		For Class 52 Rating, Deduct	*-1,162.20*	
		For Class 54 Rating, Add	*1,605.62*	
		For Class 55 Rating, Add	*2,397.70*	
		For Class 56 Rating, Add	*3,179.22*	
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,568.29	1,149.64
		For Class 52 Rating, Deduct	*-1,190.91*	
		For Class 54 Rating, Add	*1,644.86*	
		For Class 55 Rating, Add	*2,456.09*	
		For Class 56 Rating, Add	*3,256.50*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,837.17	1,154.84
		For Class 52 Rating, Deduct	*-1,219.62*	
		For Class 54 Rating, Add	*1,684.11*	
		For Class 55 Rating, Add	*2,514.49*	
		For Class 56 Rating, Add	*3,333.78*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,106.06	1,160.04
		For Class 52 Rating, Deduct	*-1,248.33*	
		For Class 54 Rating, Add	*1,723.35*	
		For Class 55 Rating, Add	*2,572.88*	
		For Class 56 Rating, Add	*3,411.06*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,374.94	1,165.25
		For Class 52 Rating, Deduct	*-1,277.04*	
		For Class 54 Rating, Add	*1,762.60*	
		For Class 55 Rating, Add	*2,631.27*	
		For Class 56 Rating, Add	*3,488.34*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,643.82	1,170.45
		For Class 52 Rating, Deduct	*-1,305.75*	
		For Class 54 Rating, Add	*1,801.84*	
		For Class 55 Rating, Add	*2,689.66*	
		For Class 56 Rating, Add	*3,565.61*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,912.70	1,175.65
		For Class 52 Rating, Deduct	*-1,334.46*	
		For Class 54 Rating, Add	*1,841.09*	
		For Class 55 Rating, Add	*2,748.06*	
		For Class 56 Rating, Add	*3,642.89*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,181.57	1,180.85
		For Class 52 Rating, Deduct	*-1,363.16*	
		For Class 54 Rating, Add	*1,880.33*	
		For Class 55 Rating, Add	*2,806.45*	
		For Class 56 Rating, Add	*3,720.17*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,450.46	1,186.06
		For Class 52 Rating, Deduct	*-1,391.87*	
		For Class 54 Rating, Add	*1,919.57*	
		For Class 55 Rating, Add	*2,864.84*	
		For Class 56 Rating, Add	*3,797.45*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,719.34	1,191.26
		For Class 52 Rating, Deduct	*-1,420.58*	
		For Class 54 Rating, Add	*1,958.82*	
		For Class 55 Rating, Add	*2,923.23*	
		For Class 56 Rating, Add	*3,874.73*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.31	1,125.71
		For Class 52 Rating, Deduct	*-422.37*	
		For Class 54 Rating, Add	*596.42*	
		For Class 55 Rating, Add	*897.19*	
		For Class 56 Rating, Add	*1,194.11*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,854.34	1,130.91
		For Class 52 Rating, Deduct	*-455.49*	
		For Class 54 Rating, Add	*641.69*	
		For Class 55 Rating, Add	*964.53*	
		For Class 56 Rating, Add	*1,283.23*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,163.38	1,136.11
		For Class 52 Rating, Deduct	*-488.62*	
		For Class 54 Rating, Add	*686.96*	
		For Class 55 Rating, Add	*1,031.88*	
		For Class 56 Rating, Add	*1,372.36*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,472.41	1,141.32
		For Class 52 Rating, Deduct	*-521.75*	
		For Class 54 Rating, Add	*732.22*	
		For Class 55 Rating, Add	*1,099.22*	
		For Class 56 Rating, Add	*1,461.48*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,781.45	1,146.52
		For Class 52 Rating, Deduct	*-554.87*	
		For Class 54 Rating, Add	*777.49*	
		For Class 55 Rating, Add	*1,166.57*	
		For Class 56 Rating, Add	*1,550.61*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,090.48	1,151.72
		For Class 52 Rating, Deduct	*-588.00*	
		For Class 54 Rating, Add	*822.76*	
		For Class 55 Rating, Add	*1,233.92*	
		For Class 56 Rating, Add	*1,639.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,399.51	1,156.92
		For Class 52 Rating, Deduct	*-621.13*	
		For Class 54 Rating, Add	*868.02*	
		For Class 55 Rating, Add	*1,301.26*	
		For Class 56 Rating, Add	*1,728.85*	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,708.54	1,162.13
		For Class 52 Rating, Deduct	*-654.25*	
		For Class 54 Rating, Add	*913.29*	
		For Class 55 Rating, Add	*1,368.61*	
		For Class 56 Rating, Add	*1,817.97*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,017.58	1,167.33
		For Class 52 Rating, Deduct	*-687.38*	
		For Class 54 Rating, Add	*958.56*	
		For Class 55 Rating, Add	*1,435.95*	
		For Class 56 Rating, Add	*1,907.10*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,326.62	1,172.53
		For Class 52 Rating, Deduct	*-720.51*	
		For Class 54 Rating, Add	*1,003.83*	
		For Class 55 Rating, Add	*1,503.30*	
		For Class 56 Rating, Add	*1,996.22*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,635.65	1,177.73
		For Class 52 Rating, Deduct	*-753.63*	
		For Class 54 Rating, Add	*1,049.09*	
		For Class 55 Rating, Add	*1,570.65*	
		For Class 56 Rating, Add	*2,085.35*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,944.68	1,182.94
		For Class 52 Rating, Deduct	*-786.76*	
		For Class 54 Rating, Add	*1,094.36*	
		For Class 55 Rating, Add	*1,637.99*	
		For Class 56 Rating, Add	*2,174.47*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,253.71	1,188.14
		For Class 52 Rating, Deduct	*-819.89*	
		For Class 54 Rating, Add	*1,139.63*	
		For Class 55 Rating, Add	*1,705.34*	
		For Class 56 Rating, Add	*2,263.59*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,562.75	1,193.34
		For Class 52 Rating, Deduct	*-853.01*	
		For Class 54 Rating, Add	*1,184.90*	
		For Class 55 Rating, Add	*1,772.68*	
		For Class 56 Rating, Add	*2,352.72*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,871.79	1,198.54
		For Class 52 Rating, Deduct	*-886.14*	
		For Class 54 Rating, Add	*1,230.16*	
		For Class 55 Rating, Add	*1,840.03*	
		For Class 56 Rating, Add	*2,441.84*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,180.82	1,203.75
		For Class 52 Rating, Deduct	*-919.27*	
		For Class 54 Rating, Add	*1,275.43*	
		For Class 55 Rating, Add	*1,907.38*	
		For Class 56 Rating, Add	*2,530.96*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,489.85	1,208.94
		For Class 52 Rating, Deduct	*-952.39*	
		For Class 54 Rating, Add	*1,320.70*	
		For Class 55 Rating, Add	*1,974.72*	
		For Class 56 Rating, Add	*2,620.09*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,798.88	1,214.14
		For Class 52 Rating, Deduct	*-985.52*	
		For Class 54 Rating, Add	*1,365.97*	
		For Class 55 Rating, Add	*2,042.07*	
		For Class 56 Rating, Add	*2,709.21*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,107.92	1,219.34
		For Class 52 Rating, Deduct	*-1,018.65*	
		For Class 54 Rating, Add	*1,411.23*	
		For Class 55 Rating, Add	*2,109.41*	
		For Class 56 Rating, Add	*2,798.33*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,416.96	1,224.55
		For Class 52 Rating, Deduct	*-1,051.77*	
		For Class 54 Rating, Add	*1,456.50*	
		For Class 55 Rating, Add	*2,176.76*	
		For Class 56 Rating, Add	*2,887.46*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,725.99	1,229.75
		For Class 52 Rating, Deduct	*-1,084.90*	
		For Class 54 Rating, Add	*1,501.77*	
		For Class 55 Rating, Add	*2,244.11*	
		For Class 56 Rating, Add	*2,976.58*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,035.02	1,234.95
		For Class 52 Rating, Deduct	*-1,118.03*	
		For Class 54 Rating, Add	*1,547.04*	
		For Class 55 Rating, Add	*2,311.45*	
		For Class 56 Rating, Add	*3,065.71*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,344.05	1,240.15
		For Class 52 Rating, Deduct	*-1,151.15*	
		For Class 54 Rating, Add	*1,592.30*	
		For Class 55 Rating, Add	*2,378.80*	
		For Class 56 Rating, Add	*3,154.83*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,653.09	1,245.36
		For Class 52 Rating, Deduct	*-1,184.28*	
		For Class 54 Rating, Add	*1,637.57*	
		For Class 55 Rating, Add	*2,446.14*	
		For Class 56 Rating, Add	*3,243.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,962.13	1,250.56
		For Class 52 Rating, Deduct	*-1,217.41*	
		For Class 54 Rating, Add	*1,682.84*	
		For Class 55 Rating, Add	*2,513.49*	
		For Class 56 Rating, Add	*3,333.08*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,271.16	1,255.76
		For Class 52 Rating, Deduct	*-1,250.53*	
		For Class 54 Rating, Add	*1,728.11*	
		For Class 55 Rating, Add	*2,580.84*	
		For Class 56 Rating, Add	*3,422.20*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,580.19	1,260.96
		For Class 52 Rating, Deduct	*-1,283.66*	
		For Class 54 Rating, Add	*1,773.37*	
		For Class 55 Rating, Add	*2,648.18*	
		For Class 56 Rating, Add	*3,511.32*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,889.22	1,266.17
		For Class 52 Rating, Deduct	*-1,316.79*	
		For Class 54 Rating, Add	*1,818.64*	
		For Class 55 Rating, Add	*2,715.53*	
		For Class 56 Rating, Add	*3,600.45*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,198.25	1,271.37
		For Class 52 Rating, Deduct	*-1,349.91*	
		For Class 54 Rating, Add	*1,863.91*	
		For Class 55 Rating, Add	*2,782.87*	
		For Class 56 Rating, Add	*3,689.57*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,507.30	1,276.57
		For Class 52 Rating, Deduct	*-1,383.04*	
		For Class 54 Rating, Add	*1,909.18*	
		For Class 55 Rating, Add	*2,850.22*	
		For Class 56 Rating, Add	*3,778.70*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,816.33	1,281.77
		For Class 52 Rating, Deduct	*-1,416.17*	
		For Class 54 Rating, Add	*1,954.44*	
		For Class 55 Rating, Add	*2,917.57*	
		For Class 56 Rating, Add	*3,867.82*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,125.36	1,286.98
		For Class 52 Rating, Deduct	*-1,449.29*	
		For Class 54 Rating, Add	*1,999.71*	
		For Class 55 Rating, Add	*2,984.91*	
		For Class 56 Rating, Add	*3,956.94*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,434.39	1,292.18
		For Class 52 Rating, Deduct	*-1,482.42*	
		For Class 54 Rating, Add	*2,044.98*	
		For Class 55 Rating, Add	*3,052.26*	
		For Class 56 Rating, Add	*4,046.06*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,743.42	1,297.38
		For Class 52 Rating, Deduct	*-1,515.55*	
		For Class 54 Rating, Add	*2,090.24*	
		For Class 55 Rating, Add	*3,119.60*	
		For Class 56 Rating, Add	*4,135.19*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,052.47	1,302.57
		For Class 52 Rating, Deduct	*-1,548.67*	
		For Class 54 Rating, Add	*2,135.51*	
		For Class 55 Rating, Add	*3,186.95*	
		For Class 56 Rating, Add	*4,224.31*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,361.50	1,307.78
		For Class 52 Rating, Deduct	*-1,581.80*	
		For Class 54 Rating, Add	*2,180.78*	
		For Class 55 Rating, Add	*3,254.30*	
		For Class 56 Rating, Add	*4,313.44*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,670.53	1,312.98
		For Class 52 Rating, Deduct	*-1,614.93*	
		For Class 54 Rating, Add	*2,226.05*	
		For Class 55 Rating, Add	*3,321.64*	
		For Class 56 Rating, Add	*4,402.56*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,979.56	1,318.18
		For Class 52 Rating, Deduct	*-1,648.05*	
		For Class 54 Rating, Add	*2,271.31*	
		For Class 55 Rating, Add	*3,388.99*	
		For Class 56 Rating, Add	*4,491.68*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,486.67	1,284.90
		For Class 52 Rating, Deduct	*-499.39*	
		For Class 54 Rating, Add	*704.34*	
		For Class 55 Rating, Add	*1,059.11*	
		For Class 56 Rating, Add	*1,409.35*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,840.87	1,290.10
		For Class 52 Rating, Deduct	*-537.48*	
		For Class 54 Rating, Add	*756.38*	
		For Class 55 Rating, Add	*1,136.53*	
		For Class 56 Rating, Add	*1,511.79*	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,195.09	1,295.30
		For Class 52 Rating, Deduct	*-575.58*	
		For Class 54 Rating, Add	*808.43*	
		For Class 55 Rating, Add	*1,213.95*	
		For Class 56 Rating, Add	*1,614.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,549.29	1,300.50
		For Class 52 Rating, Deduct	*-613.67*	
		For Class 54 Rating, Add	*860.47*	
		For Class 55 Rating, Add	*1,291.37*	
		For Class 56 Rating, Add	*1,716.69*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,903.50	1,305.70
		For Class 52 Rating, Deduct	*-651.77*	
		For Class 54 Rating, Add	*912.52*	
		For Class 55 Rating, Add	*1,368.79*	
		For Class 56 Rating, Add	*1,819.15*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,257.70	1,310.90
		For Class 52 Rating, Deduct	*-689.86*	
		For Class 54 Rating, Add	*964.56*	
		For Class 55 Rating, Add	*1,446.21*	
		For Class 56 Rating, Add	*1,921.59*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,611.91	1,316.10
		For Class 52 Rating, Deduct	*-727.96*	
		For Class 54 Rating, Add	*1,016.60*	
		For Class 55 Rating, Add	*1,523.63*	
		For Class 56 Rating, Add	*2,024.04*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,966.12	1,321.30
		For Class 52 Rating, Deduct	*-766.06*	
		For Class 54 Rating, Add	*1,068.64*	
		For Class 55 Rating, Add	*1,601.05*	
		For Class 56 Rating, Add	*2,126.49*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,320.32	1,326.51
		For Class 52 Rating, Deduct	*-804.15*	
		For Class 54 Rating, Add	*1,120.69*	
		For Class 55 Rating, Add	*1,678.47*	
		For Class 56 Rating, Add	*2,228.94*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,674.53	1,331.71
		For Class 52 Rating, Deduct	*-842.25*	
		For Class 54 Rating, Add	*1,172.73*	
		For Class 55 Rating, Add	*1,755.89*	
		For Class 56 Rating, Add	*2,331.39*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,028.73	1,336.91
		For Class 52 Rating, Deduct	*-880.34*	
		For Class 54 Rating, Add	*1,224.77*	
		For Class 55 Rating, Add	*1,833.31*	
		For Class 56 Rating, Add	*2,433.84*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,382.94	1,342.11
		For Class 52 Rating, Deduct	*-918.44*	
		For Class 54 Rating, Add	*1,276.82*	
		For Class 55 Rating, Add	*1,910.73*	
		For Class 56 Rating, Add	*2,536.29*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,737.14	1,347.32
		For Class 52 Rating, Deduct	*-956.53*	
		For Class 54 Rating, Add	*1,328.86*	
		For Class 55 Rating, Add	*1,988.15*	
		For Class 56 Rating, Add	*2,638.74*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,091.36	1,352.52
		For Class 52 Rating, Deduct	*-994.63*	
		For Class 54 Rating, Add	*1,380.90*	
		For Class 55 Rating, Add	*2,065.57*	
		For Class 56 Rating, Add	*2,741.19*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,445.56	1,357.72
		For Class 52 Rating, Deduct	*-1,032.73*	
		For Class 54 Rating, Add	*1,432.95*	
		For Class 55 Rating, Add	*2,142.99*	
		For Class 56 Rating, Add	*2,843.64*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,799.77	1,362.92
		For Class 52 Rating, Deduct	*-1,070.82*	
		For Class 54 Rating, Add	*1,484.99*	
		For Class 55 Rating, Add	*2,220.41*	
		For Class 56 Rating, Add	*2,946.09*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,153.97	1,368.13
		For Class 52 Rating, Deduct	*-1,108.92*	
		For Class 54 Rating, Add	*1,537.03*	
		For Class 55 Rating, Add	*2,297.83*	
		For Class 56 Rating, Add	*3,048.54*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,508.18	1,373.33
		For Class 52 Rating, Deduct	*-1,147.01*	
		For Class 54 Rating, Add	*1,589.08*	
		For Class 55 Rating, Add	*2,375.25*	
		For Class 56 Rating, Add	*3,150.99*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,862.39	1,378.53
		For Class 52 Rating, Deduct	*-1,185.11*	
		For Class 54 Rating, Add	*1,641.12*	
		For Class 55 Rating, Add	*2,452.67*	
		For Class 56 Rating, Add	*3,253.44*	
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,216.60	1,383.73
		For Class 52 Rating, Deduct	*-1,223.20*	
		For Class 54 Rating, Add	*1,693.16*	
		For Class 55 Rating, Add	*2,530.09*	
		For Class 56 Rating, Add	*3,355.89*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,570.80	1,388.94
		For Class 52 Rating, Deduct	*-1,261.30*	
		For Class 54 Rating, Add	*1,745.21*	
		For Class 55 Rating, Add	*2,607.50*	
		For Class 56 Rating, Add	*3,458.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,925.01	1,394.14
		For Class 52 Rating, Deduct	*-1,299.40*	
		For Class 54 Rating, Add	*1,797.25*	
		For Class 55 Rating, Add	*2,684.93*	
		For Class 56 Rating, Add	*3,560.79*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,279.21	1,399.33
		For Class 52 Rating, Deduct	*-1,337.49*	
		For Class 54 Rating, Add	*1,849.29*	
		For Class 55 Rating, Add	*2,762.34*	
		For Class 56 Rating, Add	*3,663.24*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,633.43	1,404.53
		For Class 52 Rating, Deduct	*-1,375.59*	
		For Class 54 Rating, Add	*1,901.34*	
		For Class 55 Rating, Add	*2,839.76*	
		For Class 56 Rating, Add	*3,765.69*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,987.63	1,409.74
		For Class 52 Rating, Deduct	*-1,413.68*	
		For Class 54 Rating, Add	*1,953.38*	
		For Class 55 Rating, Add	*2,917.18*	
		For Class 56 Rating, Add	*3,868.13*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,341.84	1,414.94
		For Class 52 Rating, Deduct	*-1,451.78*	
		For Class 54 Rating, Add	*2,005.42*	
		For Class 55 Rating, Add	*2,994.60*	
		For Class 56 Rating, Add	*3,970.59*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,696.04	1,420.14
		For Class 52 Rating, Deduct	*-1,489.87*	
		For Class 54 Rating, Add	*2,057.47*	
		For Class 55 Rating, Add	*3,072.02*	
		For Class 56 Rating, Add	*4,073.03*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,050.25	1,425.34
		For Class 52 Rating, Deduct	*-1,527.97*	
		For Class 54 Rating, Add	*2,109.51*	
		For Class 55 Rating, Add	*3,149.44*	
		For Class 56 Rating, Add	*4,175.48*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,404.46	1,430.55
		For Class 52 Rating, Deduct	*-1,566.07*	
		For Class 54 Rating, Add	*2,161.55*	
		For Class 55 Rating, Add	*3,226.86*	
		For Class 56 Rating, Add	*4,277.93*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,758.67	1,435.75
		For Class 52 Rating, Deduct	*-1,604.16*	
		For Class 54 Rating, Add	*2,213.60*	
		For Class 55 Rating, Add	*3,304.28*	
		For Class 56 Rating, Add	*4,380.38*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,112.87	1,440.95
		For Class 52 Rating, Deduct	*-1,642.26*	
		For Class 54 Rating, Add	*2,265.64*	
		For Class 55 Rating, Add	*3,381.70*	
		For Class 56 Rating, Add	*4,482.83*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,467.08	1,446.15
		For Class 52 Rating, Deduct	*-1,680.35*	
		For Class 54 Rating, Add	*2,317.68*	
		For Class 55 Rating, Add	*3,459.12*	
		For Class 56 Rating, Add	*4,585.28*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,821.28	1,451.36
		For Class 52 Rating, Deduct	*-1,718.45*	
		For Class 54 Rating, Add	*2,369.73*	
		For Class 55 Rating, Add	*3,536.54*	
		For Class 56 Rating, Add	*4,687.73*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,175.48	1,456.56
		For Class 52 Rating, Deduct	*-1,756.54*	
		For Class 54 Rating, Add	*2,421.77*	
		For Class 55 Rating, Add	*3,613.96*	
		For Class 56 Rating, Add	*4,790.18*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,529.70	1,461.76
		For Class 52 Rating, Deduct	*-1,794.64*	
		For Class 54 Rating, Add	*2,473.81*	
		For Class 55 Rating, Add	*3,691.38*	
		For Class 56 Rating, Add	*4,892.63*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,883.90	1,466.96
		For Class 52 Rating, Deduct	*-1,832.74*	
		For Class 54 Rating, Add	*2,525.86*	
		For Class 55 Rating, Add	*3,768.80*	
		For Class 56 Rating, Add	*4,995.08*	
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,238.11	1,472.17
		For Class 52 Rating, Deduct	*-1,870.83*	
		For Class 54 Rating, Add	*2,577.90*	
		For Class 55 Rating, Add	*3,846.22*	
		For Class 56 Rating, Add	*5,097.53*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,592.31	1,477.37
		For Class 52 Rating, Deduct	*-1,908.93*	
		For Class 54 Rating, Add	*2,629.94*	
		For Class 55 Rating, Add	*3,923.64*	
		For Class 56 Rating, Add	*5,199.98*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,968.17	1,518.98
		For Class 52 Rating, Deduct	*-623.33*	
		For Class 54 Rating, Add	*877.62*	
		For Class 55 Rating, Add	*1,318.91*	
		For Class 56 Rating, Add	*1,754.52*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,405.19	1,524.18
		For Class 52 Rating, Deduct	*-670.54*	
		For Class 54 Rating, Add	*942.09*	
		For Class 55 Rating, Add	*1,414.79*	
		For Class 56 Rating, Add	*1,881.40*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,842.21	1,529.38
		For Class 52 Rating, Deduct	*-717.75*	
		For Class 54 Rating, Add	*1,006.55*	
		For Class 55 Rating, Add	*1,510.68*	
		For Class 56 Rating, Add	*2,008.28*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,279.23	1,534.59
		For Class 52 Rating, Deduct	*-764.95*	
		For Class 54 Rating, Add	*1,071.02*	
		For Class 55 Rating, Add	*1,606.57*	
		For Class 56 Rating, Add	*2,135.16*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,716.26	1,539.79
		For Class 52 Rating, Deduct	*-812.16*	
		For Class 54 Rating, Add	*1,135.48*	
		For Class 55 Rating, Add	*1,702.46*	
		For Class 56 Rating, Add	*2,262.04*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,153.28	1,544.99
		For Class 52 Rating, Deduct	*-859.36*	
		For Class 54 Rating, Add	*1,199.95*	
		For Class 55 Rating, Add	*1,798.34*	
		For Class 56 Rating, Add	*2,388.92*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,590.31	1,550.19
		For Class 52 Rating, Deduct	*-906.57*	
		For Class 54 Rating, Add	*1,264.41*	
		For Class 55 Rating, Add	*1,894.23*	
		For Class 56 Rating, Add	*2,515.81*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,027.33	1,555.40
		For Class 52 Rating, Deduct	*-953.77*	
		For Class 54 Rating, Add	*1,328.88*	
		For Class 55 Rating, Add	*1,990.12*	
		For Class 56 Rating, Add	*2,642.69*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,464.35	1,560.60
		For Class 52 Rating, Deduct	*-1,000.98*	
		For Class 54 Rating, Add	*1,393.35*	
		For Class 55 Rating, Add	*2,086.01*	
		For Class 56 Rating, Add	*2,769.57*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,901.37	1,565.80
		For Class 52 Rating, Deduct	*-1,048.18*	
		For Class 54 Rating, Add	*1,457.81*	
		For Class 55 Rating, Add	*2,181.89*	
		For Class 56 Rating, Add	*2,896.45*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,338.40	1,571.00
		For Class 52 Rating, Deduct	*-1,095.39*	
		For Class 54 Rating, Add	*1,522.28*	
		For Class 55 Rating, Add	*2,277.78*	
		For Class 56 Rating, Add	*3,023.33*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,775.42	1,576.21
		For Class 52 Rating, Deduct	*-1,142.60*	
		For Class 54 Rating, Add	*1,586.74*	
		For Class 55 Rating, Add	*2,373.67*	
		For Class 56 Rating, Add	*3,150.21*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,212.45	1,581.41
		For Class 52 Rating, Deduct	*-1,189.80*	
		For Class 54 Rating, Add	*1,651.21*	
		For Class 55 Rating, Add	*2,469.56*	
		For Class 56 Rating, Add	*3,277.09*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,649.47	1,586.61
		For Class 52 Rating, Deduct	*-1,237.01*	
		For Class 54 Rating, Add	*1,715.68*	
		For Class 55 Rating, Add	*2,565.45*	
		For Class 56 Rating, Add	*3,403.97*	
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,086.49	1,591.82
		For Class 52 Rating, Deduct	*-1,284.21*	
		For Class 54 Rating, Add	*1,780.14*	
		For Class 55 Rating, Add	*2,661.33*	
		For Class 56 Rating, Add	*3,530.85*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,523.52	1,597.01
		For Class 52 Rating, Deduct	*-1,331.42*	
		For Class 54 Rating, Add	*1,844.61*	
		For Class 55 Rating, Add	*2,757.22*	
		For Class 56 Rating, Add	*3,657.73*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,960.54	1,602.21
		For Class 52 Rating, Deduct	*-1,378.62*	
		For Class 54 Rating, Add	*1,909.07*	
		For Class 55 Rating, Add	*2,853.11*	
		For Class 56 Rating, Add	*3,784.61*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,397.56	1,607.41
		For Class 52 Rating, Deduct	*-1,425.83*	
		For Class 54 Rating, Add	*1,973.54*	
		For Class 55 Rating, Add	*2,949.00*	
		For Class 56 Rating, Add	*3,911.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,834.59	1,612.62
		For Class 52 Rating, Deduct	*-1,473.04*	
		For Class 54 Rating, Add	*2,038.00*	
		For Class 55 Rating, Add	*3,044.88*	
		For Class 56 Rating, Add	*4,038.37*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,271.61	1,617.82
		For Class 52 Rating, Deduct	*-1,520.24*	
		For Class 54 Rating, Add	*2,102.47*	
		For Class 55 Rating, Add	*3,140.77*	
		For Class 56 Rating, Add	*4,165.25*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,708.64	1,623.02
		For Class 52 Rating, Deduct	*-1,567.45*	
		For Class 54 Rating, Add	*2,166.94*	
		For Class 55 Rating, Add	*3,236.66*	
		For Class 56 Rating, Add	*4,292.13*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,145.66	1,628.22
		For Class 52 Rating, Deduct	*-1,614.65*	
		For Class 54 Rating, Add	*2,231.40*	
		For Class 55 Rating, Add	*3,332.55*	
		For Class 56 Rating, Add	*4,419.01*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,582.68	1,633.43
		For Class 52 Rating, Deduct	*-1,661.86*	
		For Class 54 Rating, Add	*2,295.87*	
		For Class 55 Rating, Add	*3,428.43*	
		For Class 56 Rating, Add	*4,545.89*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,019.70	1,638.63
		For Class 52 Rating, Deduct	*-1,709.06*	
		For Class 54 Rating, Add	*2,360.33*	
		For Class 55 Rating, Add	*3,524.32*	
		For Class 56 Rating, Add	*4,672.77*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,456.73	1,643.83
		For Class 52 Rating, Deduct	*-1,756.27*	
		For Class 54 Rating, Add	*2,424.80*	
		For Class 55 Rating, Add	*3,620.21*	
		For Class 56 Rating, Add	*4,799.66*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,893.76	1,649.03
		For Class 52 Rating, Deduct	*-1,803.47*	
		For Class 54 Rating, Add	*2,489.27*	
		For Class 55 Rating, Add	*3,716.10*	
		For Class 56 Rating, Add	*4,926.54*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,330.78	1,654.24
		For Class 52 Rating, Deduct	*-1,850.68*	
		For Class 54 Rating, Add	*2,553.73*	
		For Class 55 Rating, Add	*3,811.99*	
		For Class 56 Rating, Add	*5,053.42*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,767.80	1,659.44
		For Class 52 Rating, Deduct	*-1,897.89*	
		For Class 54 Rating, Add	*2,618.20*	
		For Class 55 Rating, Add	*3,907.87*	
		For Class 56 Rating, Add	*5,180.30*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,204.82	1,664.64
		For Class 52 Rating, Deduct	*-1,945.09*	
		For Class 54 Rating, Add	*2,682.66*	
		For Class 55 Rating, Add	*4,003.76*	
		For Class 56 Rating, Add	*5,307.18*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,775.84	1,758.28
		For Class 52 Rating, Deduct	*-1,992.30*	
		For Class 54 Rating, Add	*2,748.74*	
		For Class 55 Rating, Add	*4,102.86*	
		For Class 56 Rating, Add	*5,438.88*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,212.86	1,763.48
		For Class 52 Rating, Deduct	*-2,039.50*	
		For Class 54 Rating, Add	*2,813.20*	
		For Class 55 Rating, Add	*4,198.75*	
		For Class 56 Rating, Add	*5,565.76*	
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,649.89	1,768.68
		For Class 52 Rating, Deduct	*-2,086.71*	
		For Class 54 Rating, Add	*2,877.67*	
		For Class 55 Rating, Add	*4,294.64*	
		For Class 56 Rating, Add	*5,692.64*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,086.91	1,773.88
		For Class 52 Rating, Deduct	*-2,133.91*	
		For Class 54 Rating, Add	*2,942.13*	
		For Class 55 Rating, Add	*4,390.53*	
		For Class 56 Rating, Add	*5,819.52*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,523.93	1,779.09
		For Class 52 Rating, Deduct	*-2,181.12*	
		For Class 54 Rating, Add	*3,006.60*	
		For Class 55 Rating, Add	*4,486.42*	
		For Class 56 Rating, Add	*5,946.40*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,960.96	1,784.29
		For Class 52 Rating, Deduct	*-2,228.32*	
		For Class 54 Rating, Add	*3,071.07*	
		For Class 55 Rating, Add	*4,582.30*	
		For Class 56 Rating, Add	*6,073.28*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,397.97	1,789.48
		For Class 52 Rating, Deduct	*-2,275.53*	
		For Class 54 Rating, Add	*3,135.53*	
		For Class 55 Rating, Add	*4,678.19*	
		For Class 56 Rating, Add	*6,200.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,834.99	1,794.68
		For Class 52 Rating, Deduct	*-2,322.73*	
		For Class 54 Rating, Add	*3,200.00*	
		For Class 55 Rating, Add	*4,774.08*	
		For Class 56 Rating, Add	*6,327.04*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,272.02	1,799.89
		For Class 52 Rating, Deduct	*-2,369.94*	
		For Class 54 Rating, Add	*3,264.46*	
		For Class 55 Rating, Add	*4,869.97*	
		For Class 56 Rating, Add	*6,453.93*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,256.77	2,143.22
		For Class 52 Rating, Deduct	*-991.04*	
		For Class 54 Rating, Add	*1,390.39*	
		For Class 55 Rating, Add	*2,087.05*	
		For Class 56 Rating, Add	*2,774.69*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,884.53	2,148.43
		For Class 52 Rating, Deduct	*-1,059.23*	
		For Class 54 Rating, Add	*1,483.46*	
		For Class 55 Rating, Add	*2,225.47*	
		For Class 56 Rating, Add	*2,957.84*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,512.28	2,153.63
		For Class 52 Rating, Deduct	*-1,127.41*	
		For Class 54 Rating, Add	*1,576.54*	
		For Class 55 Rating, Add	*2,363.89*	
		For Class 56 Rating, Add	*3,140.99*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,140.03	2,158.83
		For Class 52 Rating, Deduct	*-1,195.60*	
		For Class 54 Rating, Add	*1,669.61*	
		For Class 55 Rating, Add	*2,502.31*	
		For Class 56 Rating, Add	*3,324.13*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,767.78	2,164.03
		For Class 52 Rating, Deduct	*-1,263.78*	
		For Class 54 Rating, Add	*1,762.69*	
		For Class 55 Rating, Add	*2,640.73*	
		For Class 56 Rating, Add	*3,507.28*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,395.54	2,169.24
		For Class 52 Rating, Deduct	*-1,331.97*	
		For Class 54 Rating, Add	*1,855.76*	
		For Class 55 Rating, Add	*2,779.15*	
		For Class 56 Rating, Add	*3,690.42*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,023.29	2,174.43
		For Class 52 Rating, Deduct	*-1,400.16*	
		For Class 54 Rating, Add	*1,948.84*	
		For Class 55 Rating, Add	*2,917.57*	
		For Class 56 Rating, Add	*3,873.57*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,651.04	2,179.63
		For Class 52 Rating, Deduct	*-1,468.34*	
		For Class 54 Rating, Add	*2,041.91*	
		For Class 55 Rating, Add	*3,055.99*	
		For Class 56 Rating, Add	*4,056.71*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,278.79	2,184.83
		For Class 52 Rating, Deduct	*-1,536.53*	
		For Class 54 Rating, Add	*2,134.99*	
		For Class 55 Rating, Add	*3,194.41*	
		For Class 56 Rating, Add	*4,239.86*	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,906.54	2,190.04
		For Class 52 Rating, Deduct	*-1,604.71*	
		For Class 54 Rating, Add	*2,228.06*	
		For Class 55 Rating, Add	*3,332.83*	
		For Class 56 Rating, Add	*4,423.01*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,534.31	2,195.24
		For Class 52 Rating, Deduct	*-1,672.90*	
		For Class 54 Rating, Add	*2,321.14*	
		For Class 55 Rating, Add	*3,471.25*	
		For Class 56 Rating, Add	*4,606.15*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,162.06	2,200.44
		For Class 52 Rating, Deduct	*-1,741.09*	
		For Class 54 Rating, Add	*2,414.22*	
		For Class 55 Rating, Add	*3,609.67*	
		For Class 56 Rating, Add	*4,789.30*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,789.81	2,205.64
		For Class 52 Rating, Deduct	*-1,809.27*	
		For Class 54 Rating, Add	*2,507.29*	
		For Class 55 Rating, Add	*3,748.09*	
		For Class 56 Rating, Add	*4,972.44*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,417.56	2,210.85
		For Class 52 Rating, Deduct	*-1,877.46*	
		For Class 54 Rating, Add	*2,600.37*	
		For Class 55 Rating, Add	*3,886.51*	
		For Class 56 Rating, Add	*5,155.59*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,045.31	2,216.05
		For Class 52 Rating, Deduct	*-1,945.64*	
		For Class 54 Rating, Add	*2,693.44*	
		For Class 55 Rating, Add	*4,024.93*	
		For Class 56 Rating, Add	*5,338.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,673.07	2,221.25
		For Class 52 Rating, Deduct	*-2,013.83*	
		For Class 54 Rating, Add	*2,786.52*	
		For Class 55 Rating, Add	*4,163.35*	
		For Class 56 Rating, Add	*5,521.88*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,300.82	2,226.45
		For Class 52 Rating, Deduct	*-2,082.01*	
		For Class 54 Rating, Add	*2,879.59*	
		For Class 55 Rating, Add	*4,301.77*	
		For Class 56 Rating, Add	*5,705.03*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,928.57	2,231.66
		For Class 52 Rating, Deduct	*-2,150.20*	
		For Class 54 Rating, Add	*2,972.67*	
		For Class 55 Rating, Add	*4,440.19*	
		For Class 56 Rating, Add	*5,888.17*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,556.33	2,236.86
		For Class 52 Rating, Deduct	*-2,218.39*	
		For Class 54 Rating, Add	*3,065.74*	
		For Class 55 Rating, Add	*4,578.61*	
		For Class 56 Rating, Add	*6,071.32*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,184.08	2,242.06
		For Class 52 Rating, Deduct	*-2,286.57*	
		For Class 54 Rating, Add	*3,158.82*	
		For Class 55 Rating, Add	*4,717.03*	
		For Class 56 Rating, Add	*6,254.47*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,811.84	2,247.26
		For Class 52 Rating, Deduct	*-2,354.76*	
		For Class 54 Rating, Add	*3,251.89*	
		For Class 55 Rating, Add	*4,855.46*	
		For Class 56 Rating, Add	*6,437.61*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,439.59	2,252.47
		For Class 52 Rating, Deduct	*-2,422.94*	
		For Class 54 Rating, Add	*3,344.97*	
		For Class 55 Rating, Add	*4,993.88*	
		For Class 56 Rating, Add	*6,620.76*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,067.34	2,257.67
		For Class 52 Rating, Deduct	*-2,491.13*	
		For Class 54 Rating, Add	*3,438.04*	
		For Class 55 Rating, Add	*5,132.30*	
		For Class 56 Rating, Add	*6,803.90*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,695.09	2,262.87
		For Class 52 Rating, Deduct	*-2,559.32*	
		For Class 54 Rating, Add	*3,531.12*	
		For Class 55 Rating, Add	*5,270.72*	
		For Class 56 Rating, Add	*6,987.05*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,320.33	2,268.06
		For Class 52 Rating, Deduct	*-2,627.22*	
		For Class 54 Rating, Add	*3,623.82*	
		For Class 55 Rating, Add	*5,408.58*	
		For Class 56 Rating, Add	*7,169.45*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,950.59	2,273.27
		For Class 52 Rating, Deduct	*-2,695.69*	
		For Class 54 Rating, Add	*3,717.27*	
		For Class 55 Rating, Add	*5,547.56*	
		For Class 56 Rating, Add	*7,353.34*	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,578.36	2,278.47
		For Class 52 Rating, Deduct	*-2,763.87*	
		For Class 54 Rating, Add	*3,810.34*	
		For Class 55 Rating, Add	*5,685.98*	
		For Class 56 Rating, Add	*7,536.49*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,206.11	2,283.67
		For Class 52 Rating, Deduct	*-2,832.06*	
		For Class 54 Rating, Add	*3,903.42*	
		For Class 55 Rating, Add	*5,824.40*	
		For Class 56 Rating, Add	*7,719.63*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,833.86	2,288.87
		For Class 52 Rating, Deduct	*-2,900.24*	
		For Class 54 Rating, Add	*3,996.50*	
		For Class 55 Rating, Add	*5,962.82*	
		For Class 56 Rating, Add	*7,902.78*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,461.60	2,294.08
		For Class 52 Rating, Deduct	*-2,968.43*	
		For Class 54 Rating, Add	*4,089.57*	
		For Class 55 Rating, Add	*6,101.24*	
		For Class 56 Rating, Add	*8,085.92*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,089.35	2,299.28
		For Class 52 Rating, Deduct	*-3,036.62*	
		For Class 54 Rating, Add	*4,182.65*	
		For Class 55 Rating, Add	*6,239.66*	
		For Class 56 Rating, Add	*8,269.07*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,717.11	2,304.48
		For Class 52 Rating, Deduct	*-3,104.80*	
		For Class 54 Rating, Add	*4,275.72*	
		For Class 55 Rating, Add	*6,378.08*	
		For Class 56 Rating, Add	*8,452.21*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,344.86	2,309.68
		For Class 52 Rating, Deduct	*-3,172.99*	
		For Class 54 Rating, Add	*4,368.80*	
		For Class 55 Rating, Add	*6,516.50*	
		For Class 56 Rating, Add	*8,635.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,972.61	2,314.89
		For Class 52 Rating, Deduct	*-3,241.17*	
		For Class 54 Rating, Add	*4,461.87*	
		For Class 55 Rating, Add	*6,654.92*	
		For Class 56 Rating, Add	*8,818.50*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,600.36	2,320.09
		For Class 52 Rating, Deduct	*-3,309.36*	
		For Class 54 Rating, Add	*4,554.95*	
		For Class 55 Rating, Add	*6,793.34*	
		For Class 56 Rating, Add	*9,001.65*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,228.12	2,325.29
		For Class 52 Rating, Deduct	*-3,377.55*	
		For Class 54 Rating, Add	*4,648.02*	
		For Class 55 Rating, Add	*6,931.76*	
		For Class 56 Rating, Add	*9,184.80*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,855.88	2,330.49
		For Class 52 Rating, Deduct	*-3,445.73*	
		For Class 54 Rating, Add	*4,741.10*	
		For Class 55 Rating, Add	*7,070.18*	
		For Class 56 Rating, Add	*9,367.94*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,483.63	2,335.70
		For Class 52 Rating, Deduct	*-3,513.92*	
		For Class 54 Rating, Add	*4,834.17*	
		For Class 55 Rating, Add	*7,208.60*	
		For Class 56 Rating, Add	*9,551.09*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,006.13	2,715.44
		For Class 52 Rating, Deduct	*-1,418.10*	
		For Class 54 Rating, Add	*1,983.14*	
		For Class 55 Rating, Add	*2,973.62*	
		For Class 56 Rating, Add	*3,951.20*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,857.23	2,720.64
		For Class 52 Rating, Deduct	*-1,510.85*	
		For Class 54 Rating, Add	*2,109.72*	
		For Class 55 Rating, Add	*3,161.85*	
		For Class 56 Rating, Add	*4,200.24*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,708.34	2,725.85
		For Class 52 Rating, Deduct	*-1,603.61*	
		For Class 54 Rating, Add	*2,236.30*	
		For Class 55 Rating, Add	*3,350.08*	
		For Class 56 Rating, Add	*4,449.27*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,559.44	2,731.05
		For Class 52 Rating, Deduct	*-1,696.36*	
		For Class 54 Rating, Add	*2,362.88*	
		For Class 55 Rating, Add	*3,538.30*	
		For Class 56 Rating, Add	*4,698.31*	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,410.55	2,736.25
		For Class 52 Rating, Deduct	*-1,789.12*	
		For Class 54 Rating, Add	*2,489.46*	
		For Class 55 Rating, Add	*3,726.53*	
		For Class 56 Rating, Add	*4,947.34*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,261.66	2,741.45
		For Class 52 Rating, Deduct	*-1,881.87*	
		For Class 54 Rating, Add	*2,616.04*	
		For Class 55 Rating, Add	*3,914.76*	
		For Class 56 Rating, Add	*5,196.38*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,112.77	2,746.66
		For Class 52 Rating, Deduct	*-1,974.63*	
		For Class 54 Rating, Add	*2,742.61*	
		For Class 55 Rating, Add	*4,102.99*	
		For Class 56 Rating, Add	*5,445.41*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,963.87	2,751.85
		For Class 52 Rating, Deduct	*-2,067.38*	
		For Class 54 Rating, Add	*2,869.19*	
		For Class 55 Rating, Add	*4,291.22*	
		For Class 56 Rating, Add	*5,694.45*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,814.98	2,757.05
		For Class 52 Rating, Deduct	*-2,160.14*	
		For Class 54 Rating, Add	*2,995.77*	
		For Class 55 Rating, Add	*4,479.45*	
		For Class 56 Rating, Add	*5,943.48*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,666.09	2,762.25
		For Class 52 Rating, Deduct	*-2,252.89*	
		For Class 54 Rating, Add	*3,122.35*	
		For Class 55 Rating, Add	*4,667.68*	
		For Class 56 Rating, Add	*6,192.52*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,517.20	2,767.46
		For Class 52 Rating, Deduct	*-2,345.65*	
		For Class 54 Rating, Add	*3,248.93*	
		For Class 55 Rating, Add	*4,855.90*	
		For Class 56 Rating, Add	*6,441.55*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,368.31	2,772.66
		For Class 52 Rating, Deduct	*-2,438.40*	
		For Class 54 Rating, Add	*3,375.51*	
		For Class 55 Rating, Add	*5,044.13*	
		For Class 56 Rating, Add	*6,690.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,219.41	2,777.86
		For Class 52 Rating, Deduct	*-2,531.16*	
		For Class 54 Rating, Add	*3,502.08*	
		For Class 55 Rating, Add	*5,232.36*	
		For Class 56 Rating, Add	*6,939.62*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,070.52	2,783.07
		For Class 52 Rating, Deduct	*-2,623.91*	
		For Class 54 Rating, Add	*3,628.66*	
		For Class 55 Rating, Add	*5,420.59*	
		For Class 56 Rating, Add	*7,188.66*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,921.62	2,788.27
		For Class 52 Rating, Deduct	*-2,716.67*	
		For Class 54 Rating, Add	*3,755.24*	
		For Class 55 Rating, Add	*5,608.82*	
		For Class 56 Rating, Add	*7,437.69*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,772.74	2,793.47
		For Class 52 Rating, Deduct	*-2,809.42*	
		For Class 54 Rating, Add	*3,881.82*	
		For Class 55 Rating, Add	*5,797.05*	
		For Class 56 Rating, Add	*7,686.73*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,623.84	2,798.67
		For Class 52 Rating, Deduct	*-2,902.18*	
		For Class 54 Rating, Add	*4,008.40*	
		For Class 55 Rating, Add	*5,985.27*	
		For Class 56 Rating, Add	*7,935.76*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,474.95	2,803.88
		For Class 52 Rating, Deduct	*-2,994.93*	
		For Class 54 Rating, Add	*4,134.98*	
		For Class 55 Rating, Add	*6,173.50*	
		For Class 56 Rating, Add	*8,184.80*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,326.05	2,809.08
		For Class 52 Rating, Deduct	*-3,087.69*	
		For Class 54 Rating, Add	*4,261.56*	
		For Class 55 Rating, Add	*6,361.73*	
		For Class 56 Rating, Add	*8,433.84*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,177.15	2,814.28
		For Class 52 Rating, Deduct	*-3,180.44*	
		For Class 54 Rating, Add	*4,388.13*	
		For Class 55 Rating, Add	*6,549.96*	
		For Class 56 Rating, Add	*8,682.87*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,028.27	2,819.48
		For Class 52 Rating, Deduct	*-3,273.20*	
		For Class 54 Rating, Add	*4,514.71*	
		For Class 55 Rating, Add	*6,738.19*	
		For Class 56 Rating, Add	*8,931.91*	
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,879.37	2,824.69
		For Class 52 Rating, Deduct	*-3,365.95*	
		For Class 54 Rating, Add	*4,641.29*	
		For Class 55 Rating, Add	*6,926.42*	
		For Class 56 Rating, Add	*9,180.94*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,730.48	2,829.89
		For Class 52 Rating, Deduct	*-3,458.71*	
		For Class 54 Rating, Add	*4,767.87*	
		For Class 55 Rating, Add	*7,114.64*	
		For Class 56 Rating, Add	*9,429.98*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,581.58	2,835.09
		For Class 52 Rating, Deduct	*-3,551.46*	
		For Class 54 Rating, Add	*4,894.45*	
		For Class 55 Rating, Add	*7,302.87*	
		For Class 56 Rating, Add	*9,679.01*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,432.69	2,840.29
		For Class 52 Rating, Deduct	*-3,644.22*	
		For Class 54 Rating, Add	*5,021.03*	
		For Class 55 Rating, Add	*7,491.10*	
		For Class 56 Rating, Add	*9,928.05*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,283.80	2,845.49
		For Class 52 Rating, Deduct	*-3,736.97*	
		For Class 54 Rating, Add	*5,147.61*	
		For Class 55 Rating, Add	*7,679.33*	
		For Class 56 Rating, Add	*10,177.08*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,134.91	2,850.69
		For Class 52 Rating, Deduct	*-3,829.72*	
		For Class 54 Rating, Add	*5,274.18*	
		For Class 55 Rating, Add	*7,867.56*	
		For Class 56 Rating, Add	*10,426.12*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,986.02	2,855.89
		For Class 52 Rating, Deduct	*-3,922.48*	
		For Class 54 Rating, Add	*5,400.76*	
		For Class 55 Rating, Add	*8,055.79*	
		For Class 56 Rating, Add	*10,675.15*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,837.12	2,861.09
		For Class 52 Rating, Deduct	*-4,015.23*	
		For Class 54 Rating, Add	*5,527.34*	
		For Class 55 Rating, Add	*8,244.01*	
		For Class 56 Rating, Add	*10,924.19*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,688.23	2,866.30
		For Class 52 Rating, Deduct	*-4,107.99*	
		For Class 54 Rating, Add	*5,653.92*	
		For Class 55 Rating, Add	*8,432.24*	
		For Class 56 Rating, Add	*11,173.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,539.33	2,871.50
		For Class 52 Rating, Deduct	*-4,200.74*	
		For Class 54 Rating, Add	*5,780.50*	
		For Class 55 Rating, Add	*8,620.47*	
		For Class 56 Rating, Add	*11,422.26*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,390.45	2,876.70
		For Class 52 Rating, Deduct	*-4,293.50*	
		For Class 54 Rating, Add	*5,907.08*	
		For Class 55 Rating, Add	*8,808.70*	
		For Class 56 Rating, Add	*11,671.29*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,241.55	2,881.90
		For Class 52 Rating, Deduct	*-4,386.25*	
		For Class 54 Rating, Add	*6,033.65*	
		For Class 55 Rating, Add	*8,996.93*	
		For Class 56 Rating, Add	*11,920.33*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,092.66	2,887.11
		For Class 52 Rating, Deduct	*-4,479.01*	
		For Class 54 Rating, Add	*6,160.23*	
		For Class 55 Rating, Add	*9,185.16*	
		For Class 56 Rating, Add	*12,169.37*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,943.77	2,892.31
		For Class 52 Rating, Deduct	*-4,571.76*	
		For Class 54 Rating, Add	*6,286.81*	
		For Class 55 Rating, Add	*9,373.39*	
		For Class 56 Rating, Add	*12,418.40*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,794.87	2,897.51
		For Class 52 Rating, Deduct	*-4,664.52*	
		For Class 54 Rating, Add	*6,413.39*	
		For Class 55 Rating, Add	*9,561.61*	
		For Class 56 Rating, Add	*12,667.44*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,645.99	2,902.71
		For Class 52 Rating, Deduct	*-4,757.27*	
		For Class 54 Rating, Add	*6,539.97*	
		For Class 55 Rating, Add	*9,749.84*	
		For Class 56 Rating, Add	*12,916.47*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,497.09	2,907.92
		For Class 52 Rating, Deduct	*-4,850.03*	
		For Class 54 Rating, Add	*6,666.55*	
		For Class 55 Rating, Add	*9,938.07*	
		For Class 56 Rating, Add	*13,165.51*	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,384.52	3,422.92
		For Class 52 Rating, Deduct	*-1,891.81*	
		For Class 54 Rating, Add	*2,641.98*	
		For Class 55 Rating, Add	*3,959.69*	
		For Class 56 Rating, Add	*5,260.20*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,652.22	3,428.11
		For Class 52 Rating, Deduct	*-2,030.39*	
		For Class 54 Rating, Add	*2,831.05*	
		For Class 55 Rating, Add	*4,240.82*	
		For Class 56 Rating, Add	*5,632.13*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,904.86	3,433.31
		For Class 52 Rating, Deduct	*-2,167.32*	
		For Class 54 Rating, Add	*3,017.85*	
		For Class 55 Rating, Add	*4,518.59*	
		For Class 56 Rating, Add	*5,999.62*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,170.05	3,438.51
		For Class 52 Rating, Deduct	*-2,305.62*	
		For Class 54 Rating, Add	*3,206.55*	
		For Class 55 Rating, Add	*4,799.16*	
		For Class 56 Rating, Add	*6,370.81*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,422.69	3,443.72
		For Class 52 Rating, Deduct	*-2,442.54*	
		For Class 54 Rating, Add	*3,393.35*	
		For Class 55 Rating, Add	*5,076.93*	
		For Class 56 Rating, Add	*6,738.30*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,690.40	3,448.92
		For Class 52 Rating, Deduct	*-2,581.12*	
		For Class 54 Rating, Add	*3,582.42*	
		For Class 55 Rating, Add	*5,358.06*	
		For Class 56 Rating, Add	*7,110.23*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,940.53	3,454.12
		For Class 52 Rating, Deduct	*-2,717.77*	
		For Class 54 Rating, Add	*3,768.85*	
		For Class 55 Rating, Add	*5,635.27*	
		For Class 56 Rating, Add	*7,476.97*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,208.23	3,459.32
		For Class 52 Rating, Deduct	*-2,856.35*	
		For Class 54 Rating, Add	*3,957.92*	
		For Class 55 Rating, Add	*5,916.40*	
		For Class 56 Rating, Add	*7,848.91*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,460.87	3,464.53
		For Class 52 Rating, Deduct	*-2,993.27*	
		For Class 54 Rating, Add	*4,144.73*	
		For Class 55 Rating, Add	*6,194.17*	
		For Class 56 Rating, Add	*8,216.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,726.06	3,469.73
		For Class 52 Rating, Deduct	*-3,131.58*	
		For Class 54 Rating, Add	*4,333.42*	
		For Class 55 Rating, Add	*6,474.74*	
		For Class 56 Rating, Add	*8,587.58*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,978.71	3,474.93
		For Class 52 Rating, Deduct	*-3,268.50*	
		For Class 54 Rating, Add	*4,520.23*	
		For Class 55 Rating, Add	*6,752.51*	
		For Class 56 Rating, Add	*8,955.07*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,243.90	3,480.13
		For Class 52 Rating, Deduct	*-3,406.81*	
		For Class 54 Rating, Add	*4,708.92*	
		For Class 55 Rating, Add	*7,033.08*	
		For Class 56 Rating, Add	*9,326.26*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,496.55	3,485.34
		For Class 52 Rating, Deduct	*-3,543.73*	
		For Class 54 Rating, Add	*4,895.73*	
		For Class 55 Rating, Add	*7,310.85*	
		For Class 56 Rating, Add	*9,693.75*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,751.70	3,490.54
		For Class 52 Rating, Deduct	*-3,680.93*	
		For Class 54 Rating, Add	*5,082.92*	
		For Class 55 Rating, Add	*7,589.18*	
		For Class 56 Rating, Add	*10,061.98*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,014.38	3,495.74
		For Class 52 Rating, Deduct	*-3,818.96*	
		For Class 54 Rating, Add	*5,271.23*	
		For Class 55 Rating, Add	*7,869.19*	
		For Class 56 Rating, Add	*10,432.43*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,267.03	3,500.94
		For Class 52 Rating, Deduct	*-3,955.88*	
		For Class 54 Rating, Add	*5,458.04*	
		For Class 55 Rating, Add	*8,146.96*	
		For Class 56 Rating, Add	*10,799.92*	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,534.73	3,506.15
		For Class 52 Rating, Deduct	*-4,094.46*	
		For Class 54 Rating, Add	*5,647.11*	
		For Class 55 Rating, Add	*8,428.09*	
		For Class 56 Rating, Add	*11,171.85*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,787.37	3,511.35
		For Class 52 Rating, Deduct	*-4,231.39*	
		For Class 54 Rating, Add	*5,833.92*	
		For Class 55 Rating, Add	*8,705.86*	
		For Class 56 Rating, Add	*11,539.34*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,052.56	3,516.55
		For Class 52 Rating, Deduct	*-4,369.69*	
		For Class 54 Rating, Add	*6,022.61*	
		For Class 55 Rating, Add	*8,986.43*	
		For Class 56 Rating, Add	*11,910.53*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,305.20	3,521.74
		For Class 52 Rating, Deduct	*-4,506.61*	
		For Class 54 Rating, Add	*6,209.41*	
		For Class 55 Rating, Add	*9,264.20*	
		For Class 56 Rating, Add	*12,278.02*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,572.91	3,526.95
		For Class 52 Rating, Deduct	*-4,645.19*	
		For Class 54 Rating, Add	*6,398.48*	
		For Class 55 Rating, Add	*9,545.33*	
		For Class 56 Rating, Add	*12,649.95*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,825.55	3,532.15
		For Class 52 Rating, Deduct	*-4,782.12*	
		For Class 54 Rating, Add	*6,585.29*	
		For Class 55 Rating, Add	*9,823.10*	
		For Class 56 Rating, Add	*13,017.43*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,090.74	3,537.35
		For Class 52 Rating, Deduct	*-4,920.42*	
		For Class 54 Rating, Add	*6,773.98*	
		For Class 55 Rating, Add	*10,103.67*	
		For Class 56 Rating, Add	*13,388.62*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,343.38	3,542.55
		For Class 52 Rating, Deduct	*-5,057.35*	
		For Class 54 Rating, Add	*6,960.79*	
		For Class 55 Rating, Add	*10,381.44*	
		For Class 56 Rating, Add	*13,756.11*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,611.08	3,547.76
		For Class 52 Rating, Deduct	*-5,195.93*	
		For Class 54 Rating, Add	*7,149.86*	
		For Class 55 Rating, Add	*10,662.57*	
		For Class 56 Rating, Add	*14,128.04*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,863.72	3,552.96
		For Class 52 Rating, Deduct	*-5,332.85*	
		For Class 54 Rating, Add	*7,336.67*	
		For Class 55 Rating, Add	*10,940.34*	
		For Class 56 Rating, Add	*14,495.53*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,126.41	3,558.16
		For Class 52 Rating, Deduct	*-5,470.88*	
		For Class 54 Rating, Add	*7,524.98*	
		For Class 55 Rating, Add	*11,220.35*	
		For Class 56 Rating, Add	*14,865.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,381.56	3,563.36
		For Class 52 Rating, Deduct	*-5,608.08*	
		For Class 54 Rating, Add	*7,712.17*	
		For Class 55 Rating, Add	*11,498.68*	
		For Class 56 Rating, Add	*15,234.21*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,383.25	3,568.57
		For Class 52 Rating, Deduct	*-5,717.40*	
		For Class 54 Rating, Add	*7,861.33*	
		For Class 55 Rating, Add	*11,720.49*	
		For Class 56 Rating, Add	*15,527.67*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,899.40	3,573.77
		For Class 52 Rating, Deduct	*-5,883.31*	
		For Class 54 Rating, Add	*8,087.67*	
		For Class 55 Rating, Add	*12,057.02*	
		For Class 56 Rating, Add	*15,972.89*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,152.04	3,578.97
		For Class 52 Rating, Deduct	*-6,020.23*	
		For Class 54 Rating, Add	*8,274.48*	
		For Class 55 Rating, Add	*12,334.79*	
		For Class 56 Rating, Add	*16,340.38*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,417.24	3,584.17
		For Class 52 Rating, Deduct	*-6,158.53*	
		For Class 54 Rating, Add	*8,463.17*	
		For Class 55 Rating, Add	*12,615.36*	
		For Class 56 Rating, Add	*16,711.57*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,669.88	3,589.38
		For Class 52 Rating, Deduct	*-6,295.46*	
		For Class 54 Rating, Add	*8,649.98*	
		For Class 55 Rating, Add	*12,893.13*	
		For Class 56 Rating, Add	*17,079.06*	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,937.58	3,594.58
		For Class 52 Rating, Deduct	*-6,434.04*	
		For Class 54 Rating, Add	*8,839.04*	
		For Class 55 Rating, Add	*13,174.26*	
		For Class 56 Rating, Add	*17,450.99*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,187.71	3,599.78
		For Class 52 Rating, Deduct	*-6,570.69*	
		For Class 54 Rating, Add	*9,025.48*	
		For Class 55 Rating, Add	*13,451.47*	
		For Class 56 Rating, Add	*17,817.73*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,455.41	3,604.99
		For Class 52 Rating, Deduct	*-6,709.27*	
		For Class 54 Rating, Add	*9,214.54*	
		For Class 55 Rating, Add	*13,732.60*	
		For Class 56 Rating, Add	*18,189.66*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,708.06	3,610.19
		For Class 52 Rating, Deduct	*-6,846.19*	
		For Class 54 Rating, Add	*9,401.35*	
		For Class 55 Rating, Add	*14,010.37*	
		For Class 56 Rating, Add	*18,557.15*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,973.25	3,615.39
		For Class 52 Rating, Deduct	*-6,984.49*	
		For Class 54 Rating, Add	*9,590.04*	
		For Class 55 Rating, Add	*14,290.94*	
		For Class 56 Rating, Add	*18,928.34*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,080.74	4,302.04
		For Class 52 Rating, Deduct	*-2,371.87*	
		For Class 54 Rating, Add	*3,312.59*	
		For Class 55 Rating, Add	*4,964.87*	
		For Class 56 Rating, Add	*6,595.59*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,923.14	4,307.25
		For Class 52 Rating, Deduct	*-2,573.67*	
		For Class 54 Rating, Add	*3,587.86*	
		For Class 55 Rating, Add	*5,374.16*	
		For Class 56 Rating, Add	*7,137.06*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,763.03	4,312.45
		For Class 52 Rating, Deduct	*-2,775.19*	
		For Class 54 Rating, Add	*3,862.76*	
		For Class 55 Rating, Add	*5,782.89*	
		For Class 56 Rating, Add	*7,677.78*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,617.98	4,317.65
		For Class 52 Rating, Deduct	*-2,978.37*	
		For Class 54 Rating, Add	*4,139.91*	
		For Class 55 Rating, Add	*6,194.97*	
		For Class 56 Rating, Add	*8,222.95*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,460.38	4,322.85
		For Class 52 Rating, Deduct	*-3,180.16*	
		For Class 54 Rating, Add	*4,415.19*	
		For Class 55 Rating, Add	*6,604.26*	
		For Class 56 Rating, Add	*8,764.42*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,302.78	4,328.06
		For Class 52 Rating, Deduct	*-3,381.96*	
		For Class 54 Rating, Add	*4,690.46*	
		For Class 55 Rating, Add	*7,013.54*	
		For Class 56 Rating, Add	*9,305.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,155.21	4,333.26
		For Class 52 Rating, Deduct	*-3,584.86*	
		For Class 54 Rating, Add	*4,967.24*	
		For Class 55 Rating, Add	*7,425.07*	
		For Class 56 Rating, Add	*9,850.31*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,000.11	4,338.46
		For Class 52 Rating, Deduct	*-3,786.94*	
		For Class 54 Rating, Add	*5,242.88*	
		For Class 55 Rating, Add	*7,834.91*	
		For Class 56 Rating, Add	*10,392.52*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,840.00	4,343.66
		For Class 52 Rating, Deduct	*-3,988.46*	
		For Class 54 Rating, Add	*5,517.78*	
		For Class 55 Rating, Add	*8,243.64*	
		For Class 56 Rating, Add	*10,933.24*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,694.96	4,348.87
		For Class 52 Rating, Deduct	*-4,191.63*	
		For Class 54 Rating, Add	*5,794.94*	
		For Class 55 Rating, Add	*8,655.73*	
		For Class 56 Rating, Add	*11,478.41*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,537.35	4,354.07
		For Class 52 Rating, Deduct	*-4,393.43*	
		For Class 54 Rating, Add	*6,070.21*	
		For Class 55 Rating, Add	*9,065.01*	
		For Class 56 Rating, Add	*12,019.88*	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,392.30	4,359.27
		For Class 52 Rating, Deduct	*-4,596.61*	
		For Class 54 Rating, Add	*6,347.36*	
		For Class 55 Rating, Add	*9,477.10*	
		For Class 56 Rating, Add	*12,565.05*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,232.19	4,364.47
		For Class 52 Rating, Deduct	*-4,798.13*	
		For Class 54 Rating, Add	*6,622.26*	
		For Class 55 Rating, Add	*9,885.83*	
		For Class 56 Rating, Add	*13,105.77*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,074.59	4,369.68
		For Class 52 Rating, Deduct	*-4,999.93*	
		For Class 54 Rating, Add	*6,897.53*	
		For Class 55 Rating, Add	*10,295.11*	
		For Class 56 Rating, Add	*13,647.24*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,929.54	4,374.88
		For Class 52 Rating, Deduct	*-5,203.10*	
		For Class 54 Rating, Add	*7,174.68*	
		For Class 55 Rating, Add	*10,707.20*	
		For Class 56 Rating, Add	*14,192.41*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,771.94	4,380.08
		For Class 52 Rating, Deduct	*-5,404.90*	
		For Class 54 Rating, Add	*7,449.96*	
		For Class 55 Rating, Add	*11,116.48*	
		For Class 56 Rating, Add	*14,733.87*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,611.83	4,385.29
		For Class 52 Rating, Deduct	*-5,606.42*	
		For Class 54 Rating, Add	*7,724.85*	
		For Class 55 Rating, Add	*11,525.21*	
		For Class 56 Rating, Add	*15,274.60*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,466.77	4,390.48
		For Class 52 Rating, Deduct	*-5,809.60*	
		For Class 54 Rating, Add	*8,002.01*	
		For Class 55 Rating, Add	*11,937.29*	
		For Class 56 Rating, Add	*15,819.77*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,309.17	4,395.68
		For Class 52 Rating, Deduct	*-6,011.40*	
		For Class 54 Rating, Add	*8,277.28*	
		For Class 55 Rating, Add	*12,346.58*	
		For Class 56 Rating, Add	*16,361.23*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,149.07	4,400.88
		For Class 52 Rating, Deduct	*-6,212.92*	
		For Class 54 Rating, Add	*8,552.18*	
		For Class 55 Rating, Add	*12,755.31*	
		For Class 56 Rating, Add	*16,901.96*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,004.01	4,406.09
		For Class 52 Rating, Deduct	*-6,416.09*	
		For Class 54 Rating, Add	*8,829.33*	
		For Class 55 Rating, Add	*13,167.39*	
		For Class 56 Rating, Add	*17,447.13*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,848.92	4,411.29
		For Class 52 Rating, Deduct	*-6,618.17*	
		For Class 54 Rating, Add	*9,104.98*	
		For Class 55 Rating, Add	*13,577.24*	
		For Class 56 Rating, Add	*17,989.33*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,688.81	4,416.49
		For Class 52 Rating, Deduct	*-6,819.69*	
		For Class 54 Rating, Add	*9,379.87*	
		For Class 55 Rating, Add	*13,985.97*	
		For Class 56 Rating, Add	*18,530.06*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,543.75	4,421.69
		For Class 52 Rating, Deduct	*-7,022.86*	
		For Class 54 Rating, Add	*9,657.03*	
		For Class 55 Rating, Add	*14,398.05*	
		For Class 56 Rating, Add	*19,075.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,386.16	4,426.90
		For Class 52 Rating, Deduct	*-7,224.66*	
		For Class 54 Rating, Add	*9,932.30*	
		For Class 55 Rating, Add	*14,807.34*	
		For Class 56 Rating, Add	*19,616.70*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,226.05	4,432.10
		For Class 52 Rating, Deduct	*-7,426.18*	
		For Class 54 Rating, Add	*10,207.20*	
		For Class 55 Rating, Add	*15,216.06*	
		For Class 56 Rating, Add	*20,157.42*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,081.00	4,437.30
		For Class 52 Rating, Deduct	*-7,629.36*	
		For Class 54 Rating, Add	*10,484.35*	
		For Class 55 Rating, Add	*15,628.15*	
		For Class 56 Rating, Add	*20,702.59*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,923.39	4,442.50
		For Class 52 Rating, Deduct	*-7,831.16*	
		For Class 54 Rating, Add	*10,759.62*	
		For Class 55 Rating, Add	*16,037.44*	
		For Class 56 Rating, Add	*21,244.06*	
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,539.93	4,447.71
		For Class 52 Rating, Deduct	*-8,008.11*	
		For Class 54 Rating, Add	*11,001.02*	
		For Class 55 Rating, Add	*16,396.36*	
		For Class 56 Rating, Add	*21,718.89*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,620.75	4,452.91
		For Class 52 Rating, Deduct	*-8,236.13*	
		For Class 54 Rating, Add	*11,312.05*	
		For Class 55 Rating, Add	*16,858.81*	
		For Class 56 Rating, Add	*22,330.69*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,460.63	4,458.11
		For Class 52 Rating, Deduct	*-8,437.65*	
		For Class 54 Rating, Add	*11,586.94*	
		For Class 55 Rating, Add	*17,267.53*	
		For Class 56 Rating, Add	*22,871.42*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,318.09	4,463.31
		For Class 52 Rating, Deduct	*-8,641.11*	
		For Class 54 Rating, Add	*11,864.48*	
		For Class 55 Rating, Add	*17,680.18*	
		For Class 56 Rating, Add	*23,417.33*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,157.98	4,468.52
		For Class 52 Rating, Deduct	*-8,842.63*	
		For Class 54 Rating, Add	*12,139.37*	
		For Class 55 Rating, Add	*18,088.91*	
		For Class 56 Rating, Add	*23,958.05*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	88,997.87	4,473.72
		For Class 52 Rating, Deduct	*-9,044.15*	
		For Class 54 Rating, Add	*12,414.27*	
		For Class 55 Rating, Add	*18,497.63*	
		For Class 56 Rating, Add	*24,498.78*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	90,855.32	4,478.92
		For Class 52 Rating, Deduct	*-9,247.60*	
		For Class 54 Rating, Add	*12,691.80*	
		For Class 55 Rating, Add	*18,910.28*	
		For Class 56 Rating, Add	*25,044.69*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	92,695.22	4,484.12
		For Class 52 Rating, Deduct	*-9,449.12*	
		For Class 54 Rating, Add	*12,966.69*	
		For Class 55 Rating, Add	*19,319.00*	
		For Class 56 Rating, Add	*25,585.41*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	94,537.62	4,489.32
		For Class 52 Rating, Deduct	*-9,650.92*	
		For Class 54 Rating, Add	*13,241.97*	
		For Class 55 Rating, Add	*19,728.29*	
		For Class 56 Rating, Add	*26,126.88*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	96,392.56	4,494.52
		For Class 52 Rating, Deduct	*-9,854.09*	
		For Class 54 Rating, Add	*13,519.12*	
		For Class 55 Rating, Add	*20,140.37*	
		For Class 56 Rating, Add	*26,672.05*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	787.30	238.05
		For Class 52 Rating, Deduct	*-46.93*	
		For Class 54 Rating, Add	*68.32*	
		For Class 55 Rating, Add	*103.79*	
		For Class 56 Rating, Add	*138.84*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	858.86	242.21
		For Class 52 Rating, Deduct	*-54.11*	
		For Class 54 Rating, Add	*78.19*	
		For Class 55 Rating, Add	*118.50*	
		For Class 56 Rating, Add	*158.32*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	930.41	246.37
		For Class 52 Rating, Deduct	*-61.28*	
		For Class 54 Rating, Add	*88.05*	
		For Class 55 Rating, Add	*133.20*	
		For Class 56 Rating, Add	*177.79*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,001.97	250.53
		For Class 52 Rating, Deduct	*-68.46*	
		For Class 54 Rating, Add	*97.91*	
		For Class 55 Rating, Add	*147.90*	
		For Class 56 Rating, Add	*197.27*	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.52	254.69
		For Class 52 Rating, Deduct	*-75.64*	
		For Class 54 Rating, Add	*107.78*	
		For Class 55 Rating, Add	*162.60*	
		For Class 56 Rating, Add	*216.74*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,145.08	258.85
		For Class 52 Rating, Deduct	*-82.82*	
		For Class 54 Rating, Add	*117.64*	
		For Class 55 Rating, Add	*177.31*	
		For Class 56 Rating, Add	*236.22*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.64	263.01
		For Class 52 Rating, Deduct	*-89.99*	
		For Class 54 Rating, Add	*127.50*	
		For Class 55 Rating, Add	*192.01*	
		For Class 56 Rating, Add	*255.69*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,288.19	267.17
		For Class 52 Rating, Deduct	*-97.17*	
		For Class 54 Rating, Add	*137.36*	
		For Class 55 Rating, Add	*206.71*	
		For Class 56 Rating, Add	*275.17*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.74	271.34
		For Class 52 Rating, Deduct	*-104.35*	
		For Class 54 Rating, Add	*147.23*	
		For Class 55 Rating, Add	*221.41*	
		For Class 56 Rating, Add	*294.65*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,431.30	275.50
		For Class 52 Rating, Deduct	*-111.53*	
		For Class 54 Rating, Add	*157.09*	
		For Class 55 Rating, Add	*236.11*	
		For Class 56 Rating, Add	*314.12*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,502.86	279.66
		For Class 52 Rating, Deduct	*-118.70*	
		For Class 54 Rating, Add	*166.95*	
		For Class 55 Rating, Add	*250.82*	
		For Class 56 Rating, Add	*333.60*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,574.42	283.82
		For Class 52 Rating, Deduct	*-125.88*	
		For Class 54 Rating, Add	*176.82*	
		For Class 55 Rating, Add	*265.52*	
		For Class 56 Rating, Add	*353.07*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,645.96	287.98
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*186.68*	
		For Class 55 Rating, Add	*280.22*	
		For Class 56 Rating, Add	*372.55*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,717.52	292.15
		For Class 52 Rating, Deduct	*-140.24*	
		For Class 54 Rating, Add	*196.54*	
		For Class 55 Rating, Add	*294.92*	
		For Class 56 Rating, Add	*392.02*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,789.08	296.31
		For Class 52 Rating, Deduct	*-147.41*	
		For Class 54 Rating, Add	*206.41*	
		For Class 55 Rating, Add	*309.62*	
		For Class 56 Rating, Add	*411.50*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.64	300.47
		For Class 52 Rating, Deduct	*-154.59*	
		For Class 54 Rating, Add	*216.27*	
		For Class 55 Rating, Add	*324.33*	
		For Class 56 Rating, Add	*430.98*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,932.19	304.63
		For Class 52 Rating, Deduct	*-161.77*	
		For Class 54 Rating, Add	*226.13*	
		For Class 55 Rating, Add	*339.03*	
		For Class 56 Rating, Add	*450.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,003.74	308.79
		For Class 52 Rating, Deduct	*-168.95*	
		For Class 54 Rating, Add	*236.00*	
		For Class 55 Rating, Add	*353.73*	
		For Class 56 Rating, Add	*469.93*	
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,075.29	312.96
		For Class 52 Rating, Deduct	*-176.12*	
		For Class 54 Rating, Add	*245.86*	
		For Class 55 Rating, Add	*368.43*	
		For Class 56 Rating, Add	*489.40*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,146.85	317.12
		For Class 52 Rating, Deduct	*-183.30*	
		For Class 54 Rating, Add	*255.72*	
		For Class 55 Rating, Add	*383.13*	
		For Class 56 Rating, Add	*508.88*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.40	321.28
		For Class 52 Rating, Deduct	*-190.48*	
		For Class 54 Rating, Add	*265.58*	
		For Class 55 Rating, Add	*397.83*	
		For Class 56 Rating, Add	*528.35*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.96	325.44
		For Class 52 Rating, Deduct	*-197.66*	
		For Class 54 Rating, Add	*275.45*	
		For Class 55 Rating, Add	*412.54*	
		For Class 56 Rating, Add	*547.83*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,361.51	329.60
		For Class 52 Rating, Deduct	*-204.83*	
		For Class 54 Rating, Add	*285.31*	
		For Class 55 Rating, Add	*427.24*	
		For Class 56 Rating, Add	*567.30*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,433.07	333.77
		For Class 52 Rating, Deduct	*-212.01*	
		For Class 54 Rating, Add	*295.17*	
		For Class 55 Rating, Add	*441.94*	
		For Class 56 Rating, Add	*586.78*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.62	337.93
		For Class 52 Rating, Deduct	*-219.19*	
		For Class 54 Rating, Add	*305.04*	
		For Class 55 Rating, Add	*456.64*	
		For Class 56 Rating, Add	*606.25*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.18	342.09
		For Class 52 Rating, Deduct	*-226.37*	
		For Class 54 Rating, Add	*314.90*	
		For Class 55 Rating, Add	*471.34*	
		For Class 56 Rating, Add	*625.73*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,647.73	346.25
		For Class 52 Rating, Deduct	*-233.54*	
		For Class 54 Rating, Add	*324.76*	
		For Class 55 Rating, Add	*486.05*	
		For Class 56 Rating, Add	*645.21*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,719.29	350.40
		For Class 52 Rating, Deduct	*-240.72*	
		For Class 54 Rating, Add	*334.63*	
		For Class 55 Rating, Add	*500.75*	
		For Class 56 Rating, Add	*664.68*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,790.84	354.57
		For Class 52 Rating, Deduct	*-247.90*	
		For Class 54 Rating, Add	*344.49*	
		For Class 55 Rating, Add	*515.45*	
		For Class 56 Rating, Add	*684.16*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,862.40	358.73
		For Class 52 Rating, Deduct	*-255.08*	
		For Class 54 Rating, Add	*354.35*	
		For Class 55 Rating, Add	*530.15*	
		For Class 56 Rating, Add	*703.63*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,933.96	362.89
		For Class 52 Rating, Deduct	*-262.25*	
		For Class 54 Rating, Add	*364.22*	
		For Class 55 Rating, Add	*544.85*	
		For Class 56 Rating, Add	*723.11*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,005.51	367.05
		For Class 52 Rating, Deduct	*-269.43*	
		For Class 54 Rating, Add	*374.08*	
		For Class 55 Rating, Add	*559.56*	
		For Class 56 Rating, Add	*742.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,077.06	371.21
		For Class 52 Rating, Deduct	*-276.61*	
		For Class 54 Rating, Add	*383.94*	
		For Class 55 Rating, Add	*574.26*	
		For Class 56 Rating, Add	*762.06*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,148.62	375.38
		For Class 52 Rating, Deduct	*-283.79*	
		For Class 54 Rating, Add	*393.81*	
		For Class 55 Rating, Add	*588.96*	
		For Class 56 Rating, Add	*781.54*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,220.18	379.54
		For Class 52 Rating, Deduct	*-290.96*	
		For Class 54 Rating, Add	*403.67*	
		For Class 55 Rating, Add	*603.66*	
		For Class 56 Rating, Add	*801.01*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,291.74	383.70
		For Class 52 Rating, Deduct	*-298.14*	
		For Class 54 Rating, Add	*413.53*	
		For Class 55 Rating, Add	*618.37*	
		For Class 56 Rating, Add	*820.49*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.28	387.86
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*423.39*	
		For Class 55 Rating, Add	*633.07*	
		For Class 56 Rating, Add	*839.96*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,434.84	392.03
		For Class 52 Rating, Deduct	*-312.50*	
		For Class 54 Rating, Add	*433.26*	
		For Class 55 Rating, Add	*647.77*	
		For Class 56 Rating, Add	*859.44*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,506.40	396.19
		For Class 52 Rating, Deduct	*-319.67*	
		For Class 54 Rating, Add	*443.12*	
		For Class 55 Rating, Add	*662.47*	
		For Class 56 Rating, Add	*878.92*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.52	299.64
		For Class 52 Rating, Deduct	*-58.25*	
		For Class 54 Rating, Add	*84.88*	
		For Class 55 Rating, Add	*128.98*	
		For Class 56 Rating, Add	*172.55*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,070.13	303.80
		For Class 52 Rating, Deduct	*-67.08*	
		For Class 54 Rating, Add	*97.00*	
		For Class 55 Rating, Add	*147.04*	
		For Class 56 Rating, Add	*196.47*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,156.75	307.96
		For Class 52 Rating, Deduct	*-75.92*	
		For Class 54 Rating, Add	*109.12*	
		For Class 55 Rating, Add	*165.10*	
		For Class 56 Rating, Add	*220.39*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.35	312.12
		For Class 52 Rating, Deduct	*-84.75*	
		For Class 54 Rating, Add	*121.24*	
		For Class 55 Rating, Add	*183.16*	
		For Class 56 Rating, Add	*244.31*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,329.96	316.28
		For Class 52 Rating, Deduct	*-93.58*	
		For Class 54 Rating, Add	*133.36*	
		For Class 55 Rating, Add	*201.22*	
		For Class 56 Rating, Add	*268.22*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.58	320.45
		For Class 52 Rating, Deduct	*-102.42*	
		For Class 54 Rating, Add	*145.49*	
		For Class 55 Rating, Add	*219.28*	
		For Class 56 Rating, Add	*292.14*	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.20	324.61
		For Class 52 Rating, Deduct	*-111.25*	
		For Class 54 Rating, Add	*157.61*	
		For Class 55 Rating, Add	*237.34*	
		For Class 56 Rating, Add	*316.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,589.81	328.77
		For Class 52 Rating, Deduct	*-120.08*	
		For Class 54 Rating, Add	*169.73*	
		For Class 55 Rating, Add	*255.40*	
		For Class 56 Rating, Add	*339.98*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.41	332.93
		For Class 52 Rating, Deduct	*-128.92*	
		For Class 54 Rating, Add	*181.85*	
		For Class 55 Rating, Add	*273.46*	
		For Class 56 Rating, Add	*363.89*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.03	337.09
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*193.97*	
		For Class 55 Rating, Add	*291.52*	
		For Class 56 Rating, Add	*387.81*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.65	341.25
		For Class 52 Rating, Deduct	*-146.59*	
		For Class 54 Rating, Add	*206.09*	
		For Class 55 Rating, Add	*309.58*	
		For Class 56 Rating, Add	*411.73*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.25	345.41
		For Class 52 Rating, Deduct	*-155.42*	
		For Class 54 Rating, Add	*218.22*	
		For Class 55 Rating, Add	*327.64*	
		For Class 56 Rating, Add	*435.65*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.87	349.57
		For Class 52 Rating, Deduct	*-164.25*	
		For Class 54 Rating, Add	*230.34*	
		For Class 55 Rating, Add	*345.70*	
		For Class 56 Rating, Add	*459.56*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,109.48	353.73
		For Class 52 Rating, Deduct	*-173.09*	
		For Class 54 Rating, Add	*242.46*	
		For Class 55 Rating, Add	*363.76*	
		For Class 56 Rating, Add	*483.48*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,196.10	357.89
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*254.58*	
		For Class 55 Rating, Add	*381.82*	
		For Class 56 Rating, Add	*507.40*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,282.70	362.06
		For Class 52 Rating, Deduct	*-190.75*	
		For Class 54 Rating, Add	*266.70*	
		For Class 55 Rating, Add	*399.88*	
		For Class 56 Rating, Add	*531.32*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,369.32	366.22
		For Class 52 Rating, Deduct	*-199.59*	
		For Class 54 Rating, Add	*278.82*	
		For Class 55 Rating, Add	*417.94*	
		For Class 56 Rating, Add	*555.24*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,455.93	370.38
		For Class 52 Rating, Deduct	*-208.42*	
		For Class 54 Rating, Add	*290.95*	
		For Class 55 Rating, Add	*436.00*	
		For Class 56 Rating, Add	*579.15*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,542.55	374.54
		For Class 52 Rating, Deduct	*-217.26*	
		For Class 54 Rating, Add	*303.07*	
		For Class 55 Rating, Add	*454.06*	
		For Class 56 Rating, Add	*603.07*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,629.16	378.70
		For Class 52 Rating, Deduct	*-226.09*	
		For Class 54 Rating, Add	*315.19*	
		For Class 55 Rating, Add	*472.12*	
		For Class 56 Rating, Add	*626.99*	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,715.77	382.87
		For Class 52 Rating, Deduct	*-234.92*	
		For Class 54 Rating, Add	*327.31*	
		For Class 55 Rating, Add	*490.18*	
		For Class 56 Rating, Add	*650.91*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,802.39	387.03
		For Class 52 Rating, Deduct	*-243.76*	
		For Class 54 Rating, Add	*339.43*	
		For Class 55 Rating, Add	*508.24*	
		For Class 56 Rating, Add	*674.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,888.99	391.19
		For Class 52 Rating, Deduct	*-252.59*	
		For Class 54 Rating, Add	*351.55*	
		For Class 55 Rating, Add	*526.30*	
		For Class 56 Rating, Add	*698.74*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,975.61	395.35
		For Class 52 Rating, Deduct	*-261.42*	
		For Class 54 Rating, Add	*363.68*	
		For Class 55 Rating, Add	*544.36*	
		For Class 56 Rating, Add	*722.66*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,062.22	399.51
		For Class 52 Rating, Deduct	*-270.26*	
		For Class 54 Rating, Add	*375.80*	
		For Class 55 Rating, Add	*562.42*	
		For Class 56 Rating, Add	*746.58*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,148.84	403.68
		For Class 52 Rating, Deduct	*-279.09*	
		For Class 54 Rating, Add	*387.92*	
		For Class 55 Rating, Add	*580.48*	
		For Class 56 Rating, Add	*770.50*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,235.45	407.84
		For Class 52 Rating, Deduct	*-287.93*	
		For Class 54 Rating, Add	*400.04*	
		For Class 55 Rating, Add	*598.54*	
		For Class 56 Rating, Add	*794.41*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.06	412.00
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*412.16*	
		For Class 55 Rating, Add	*616.60*	
		For Class 56 Rating, Add	*818.33*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,408.67	416.16
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*424.29*	
		For Class 55 Rating, Add	*634.66*	
		For Class 56 Rating, Add	*842.25*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,495.28	420.32
		For Class 52 Rating, Deduct	*-314.43*	
		For Class 54 Rating, Add	*436.41*	
		For Class 55 Rating, Add	*652.71*	
		For Class 56 Rating, Add	*866.16*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,581.90	424.49
		For Class 52 Rating, Deduct	*-323.26*	
		For Class 54 Rating, Add	*448.53*	
		For Class 55 Rating, Add	*670.77*	
		For Class 56 Rating, Add	*890.08*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,668.52	428.65
		For Class 52 Rating, Deduct	*-332.10*	
		For Class 54 Rating, Add	*460.65*	
		For Class 55 Rating, Add	*688.84*	
		For Class 56 Rating, Add	*914.00*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,755.12	432.81
		For Class 52 Rating, Deduct	*-340.93*	
		For Class 54 Rating, Add	*472.77*	
		For Class 55 Rating, Add	*706.90*	
		For Class 56 Rating, Add	*937.92*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,841.73	436.96
		For Class 52 Rating, Deduct	*-349.76*	
		For Class 54 Rating, Add	*484.89*	
		For Class 55 Rating, Add	*724.95*	
		For Class 56 Rating, Add	*961.83*	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,928.35	441.12
		For Class 52 Rating, Deduct	*-358.60*	
		For Class 54 Rating, Add	*497.02*	
		For Class 55 Rating, Add	*743.01*	
		For Class 56 Rating, Add	*985.75*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,014.97	445.29
		For Class 52 Rating, Deduct	*-367.43*	
		For Class 54 Rating, Add	*509.14*	
		For Class 55 Rating, Add	*761.08*	
		For Class 56 Rating, Add	*1,009.67*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,101.57	449.45
		For Class 52 Rating, Deduct	*-376.26*	
		For Class 54 Rating, Add	*521.26*	
		For Class 55 Rating, Add	*779.13*	
		For Class 56 Rating, Add	*1,033.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,188.18	453.61
		For Class 52 Rating, Deduct	*-385.10*	
		For Class 54 Rating, Add	*533.38*	
		For Class 55 Rating, Add	*797.19*	
		For Class 56 Rating, Add	*1,057.50*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,274.80	457.77
		For Class 52 Rating, Deduct	*-393.93*	
		For Class 54 Rating, Add	*545.50*	
		For Class 55 Rating, Add	*815.25*	
		For Class 56 Rating, Add	*1,081.42*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.06	382.87
		For Class 52 Rating, Deduct	*-85.03*	
		For Class 54 Rating, Add	*122.91*	
		For Class 55 Rating, Add	*186.29*	
		For Class 56 Rating, Add	*248.91*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.79	387.03
		For Class 52 Rating, Deduct	*-97.17*	
		For Class 54 Rating, Add	*139.54*	
		For Class 55 Rating, Add	*211.07*	
		For Class 56 Rating, Add	*281.71*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,586.51	391.19
		For Class 52 Rating, Deduct	*-109.32*	
		For Class 54 Rating, Add	*156.18*	
		For Class 55 Rating, Add	*235.84*	
		For Class 56 Rating, Add	*314.51*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.24	395.35
		For Class 52 Rating, Deduct	*-121.46*	
		For Class 54 Rating, Add	*172.82*	
		For Class 55 Rating, Add	*260.62*	
		For Class 56 Rating, Add	*347.31*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,819.97	399.51
		For Class 52 Rating, Deduct	*-133.61*	
		For Class 54 Rating, Add	*189.46*	
		For Class 55 Rating, Add	*285.39*	
		For Class 56 Rating, Add	*380.11*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.70	403.68
		For Class 52 Rating, Deduct	*-145.76*	
		For Class 54 Rating, Add	*206.10*	
		For Class 55 Rating, Add	*310.17*	
		For Class 56 Rating, Add	*412.91*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,053.43	407.84
		For Class 52 Rating, Deduct	*-157.90*	
		For Class 54 Rating, Add	*222.74*	
		For Class 55 Rating, Add	*334.94*	
		For Class 56 Rating, Add	*445.72*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,170.15	412.00
		For Class 52 Rating, Deduct	*-170.05*	
		For Class 54 Rating, Add	*239.38*	
		For Class 55 Rating, Add	*359.72*	
		For Class 56 Rating, Add	*478.52*	
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,286.88	416.16
		For Class 52 Rating, Deduct	*-182.20*	
		For Class 54 Rating, Add	*256.02*	
		For Class 55 Rating, Add	*384.50*	
		For Class 56 Rating, Add	*511.32*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,403.61	420.32
		For Class 52 Rating, Deduct	*-194.34*	
		For Class 54 Rating, Add	*272.66*	
		For Class 55 Rating, Add	*409.27*	
		For Class 56 Rating, Add	*544.12*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.34	424.49
		For Class 52 Rating, Deduct	*-206.49*	
		For Class 54 Rating, Add	*289.29*	
		For Class 55 Rating, Add	*434.05*	
		For Class 56 Rating, Add	*576.92*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,637.07	428.65
		For Class 52 Rating, Deduct	*-218.64*	
		For Class 54 Rating, Add	*305.93*	
		For Class 55 Rating, Add	*458.82*	
		For Class 56 Rating, Add	*609.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.79	432.81
		For Class 52 Rating, Deduct	*-230.78*	
		For Class 54 Rating, Add	*322.57*	
		For Class 55 Rating, Add	*483.60*	
		For Class 56 Rating, Add	*642.53*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,870.52	436.96
		For Class 52 Rating, Deduct	*-242.93*	
		For Class 54 Rating, Add	*339.21*	
		For Class 55 Rating, Add	*508.37*	
		For Class 56 Rating, Add	*675.33*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,987.25	441.12
		For Class 52 Rating, Deduct	*-255.08*	
		For Class 54 Rating, Add	*355.85*	
		For Class 55 Rating, Add	*533.15*	
		For Class 56 Rating, Add	*708.13*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,103.98	445.29
		For Class 52 Rating, Deduct	*-267.22*	
		For Class 54 Rating, Add	*372.49*	
		For Class 55 Rating, Add	*557.92*	
		For Class 56 Rating, Add	*740.93*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,220.71	449.45
		For Class 52 Rating, Deduct	*-279.37*	
		For Class 54 Rating, Add	*389.13*	
		For Class 55 Rating, Add	*582.70*	
		For Class 56 Rating, Add	*773.73*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,337.43	453.61
		For Class 52 Rating, Deduct	*-291.52*	
		For Class 54 Rating, Add	*405.77*	
		For Class 55 Rating, Add	*607.48*	
		For Class 56 Rating, Add	*806.53*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.16	457.77
		For Class 52 Rating, Deduct	*-303.66*	
		For Class 54 Rating, Add	*422.41*	
		For Class 55 Rating, Add	*632.25*	
		For Class 56 Rating, Add	*839.33*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,570.89	461.93
		For Class 52 Rating, Deduct	*-315.81*	
		For Class 54 Rating, Add	*439.05*	
		For Class 55 Rating, Add	*657.03*	
		For Class 56 Rating, Add	*872.14*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,687.61	466.10
		For Class 52 Rating, Deduct	*-327.95*	
		For Class 54 Rating, Add	*455.68*	
		For Class 55 Rating, Add	*681.80*	
		For Class 56 Rating, Add	*904.94*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.34	470.26
		For Class 52 Rating, Deduct	*-340.10*	
		For Class 54 Rating, Add	*472.32*	
		For Class 55 Rating, Add	*706.58*	
		For Class 56 Rating, Add	*937.74*	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.07	474.42
		For Class 52 Rating, Deduct	*-352.25*	
		For Class 54 Rating, Add	*488.96*	
		For Class 55 Rating, Add	*731.35*	
		For Class 56 Rating, Add	*970.54*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.80	478.58
		For Class 52 Rating, Deduct	*-364.39*	
		For Class 54 Rating, Add	*505.60*	
		For Class 55 Rating, Add	*756.13*	
		For Class 56 Rating, Add	*1,003.34*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.52	482.75
		For Class 52 Rating, Deduct	*-376.54*	
		For Class 54 Rating, Add	*522.24*	
		For Class 55 Rating, Add	*780.90*	
		For Class 56 Rating, Add	*1,036.14*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,271.26	486.91
		For Class 52 Rating, Deduct	*-388.69*	
		For Class 54 Rating, Add	*538.88*	
		For Class 55 Rating, Add	*805.68*	
		For Class 56 Rating, Add	*1,068.95*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,387.98	491.07
		For Class 52 Rating, Deduct	*-400.83*	
		For Class 54 Rating, Add	*555.52*	
		For Class 55 Rating, Add	*830.46*	
		For Class 56 Rating, Add	*1,101.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,504.71	495.23
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*572.16*	
		For Class 55 Rating, Add	*855.23*	
		For Class 56 Rating, Add	*1,134.55*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,621.43	499.39
		For Class 52 Rating, Deduct	*-425.13*	
		For Class 54 Rating, Add	*588.80*	
		For Class 55 Rating, Add	*880.01*	
		For Class 56 Rating, Add	*1,167.35*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,738.17	503.56
		For Class 52 Rating, Deduct	*-437.27*	
		For Class 54 Rating, Add	*605.44*	
		For Class 55 Rating, Add	*904.78*	
		For Class 56 Rating, Add	*1,200.15*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,854.90	507.72
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*622.08*	
		For Class 55 Rating, Add	*929.56*	
		For Class 56 Rating, Add	*1,232.95*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,971.62	511.88
		For Class 52 Rating, Deduct	*-461.57*	
		For Class 54 Rating, Add	*638.71*	
		For Class 55 Rating, Add	*954.33*	
		For Class 56 Rating, Add	*1,265.76*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,088.34	516.04
		For Class 52 Rating, Deduct	*-473.71*	
		For Class 54 Rating, Add	*655.35*	
		For Class 55 Rating, Add	*979.11*	
		For Class 56 Rating, Add	*1,298.56*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,205.08	520.20
		For Class 52 Rating, Deduct	*-485.86*	
		For Class 54 Rating, Add	*671.99*	
		For Class 55 Rating, Add	*1,003.89*	
		For Class 56 Rating, Add	*1,331.36*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,321.81	524.37
		For Class 52 Rating, Deduct	*-498.01*	
		For Class 54 Rating, Add	*688.63*	
		For Class 55 Rating, Add	*1,028.66*	
		For Class 56 Rating, Add	*1,364.16*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,438.54	528.53
		For Class 52 Rating, Deduct	*-510.15*	
		For Class 54 Rating, Add	*705.27*	
		For Class 55 Rating, Add	*1,053.44*	
		For Class 56 Rating, Add	*1,396.96*	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,555.25	532.68
		For Class 52 Rating, Deduct	*-522.30*	
		For Class 54 Rating, Add	*721.91*	
		For Class 55 Rating, Add	*1,078.21*	
		For Class 56 Rating, Add	*1,429.76*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,671.99	536.84
		For Class 52 Rating, Deduct	*-534.44*	
		For Class 54 Rating, Add	*738.55*	
		For Class 55 Rating, Add	*1,102.99*	
		For Class 56 Rating, Add	*1,462.57*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,788.72	541.00
		For Class 52 Rating, Deduct	*-546.59*	
		For Class 54 Rating, Add	*755.19*	
		For Class 55 Rating, Add	*1,127.76*	
		For Class 56 Rating, Add	*1,495.37*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.99	466.10
		For Class 52 Rating, Deduct	*-108.77*	
		For Class 54 Rating, Add	*156.79*	
		For Class 55 Rating, Add	*237.45*	
		For Class 56 Rating, Add	*317.11*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,846.85	470.26
		For Class 52 Rating, Deduct	*-124.78*	
		For Class 54 Rating, Add	*178.70*	
		For Class 55 Rating, Add	*270.06*	
		For Class 56 Rating, Add	*360.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,998.72	474.42
		For Class 52 Rating, Deduct	*-140.79*	
		For Class 54 Rating, Add	*200.61*	
		For Class 55 Rating, Add	*302.67*	
		For Class 56 Rating, Add	*403.45*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,150.58	478.58
		For Class 52 Rating, Deduct	*-156.80*	
		For Class 54 Rating, Add	*222.52*	
		For Class 55 Rating, Add	*335.28*	
		For Class 56 Rating, Add	*446.61*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,302.44	482.75
		For Class 52 Rating, Deduct	*-172.81*	
		For Class 54 Rating, Add	*244.43*	
		For Class 55 Rating, Add	*367.89*	
		For Class 56 Rating, Add	*489.78*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.31	486.91
		For Class 52 Rating, Deduct	*-188.82*	
		For Class 54 Rating, Add	*266.34*	
		For Class 55 Rating, Add	*400.50*	
		For Class 56 Rating, Add	*532.95*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.16	491.07
		For Class 52 Rating, Deduct	*-204.83*	
		For Class 54 Rating, Add	*288.25*	
		For Class 55 Rating, Add	*433.11*	
		For Class 56 Rating, Add	*576.11*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,758.03	495.23
		For Class 52 Rating, Deduct	*-220.84*	
		For Class 54 Rating, Add	*310.16*	
		For Class 55 Rating, Add	*465.72*	
		For Class 56 Rating, Add	*619.28*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,909.89	499.39
		For Class 52 Rating, Deduct	*-236.86*	
		For Class 54 Rating, Add	*332.07*	
		For Class 55 Rating, Add	*498.33*	
		For Class 56 Rating, Add	*662.45*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,061.75	503.56
		For Class 52 Rating, Deduct	*-252.87*	
		For Class 54 Rating, Add	*353.97*	
		For Class 55 Rating, Add	*530.94*	
		For Class 56 Rating, Add	*705.61*	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,213.62	507.72
		For Class 52 Rating, Deduct	*-268.88*	
		For Class 54 Rating, Add	*375.88*	
		For Class 55 Rating, Add	*563.55*	
		For Class 56 Rating, Add	*748.78*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,365.48	511.88
		For Class 52 Rating, Deduct	*-284.89*	
		For Class 54 Rating, Add	*397.79*	
		For Class 55 Rating, Add	*596.16*	
		For Class 56 Rating, Add	*791.94*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,517.33	516.04
		For Class 52 Rating, Deduct	*-300.90*	
		For Class 54 Rating, Add	*419.70*	
		For Class 55 Rating, Add	*628.77*	
		For Class 56 Rating, Add	*835.11*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,669.20	520.20
		For Class 52 Rating, Deduct	*-316.91*	
		For Class 54 Rating, Add	*441.61*	
		For Class 55 Rating, Add	*661.38*	
		For Class 56 Rating, Add	*878.28*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.07	524.37
		For Class 52 Rating, Deduct	*-332.92*	
		For Class 54 Rating, Add	*463.52*	
		For Class 55 Rating, Add	*694.00*	
		For Class 56 Rating, Add	*921.44*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.93	528.53
		For Class 52 Rating, Deduct	*-348.93*	
		For Class 54 Rating, Add	*485.43*	
		For Class 55 Rating, Add	*726.60*	
		For Class 56 Rating, Add	*964.61*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,124.78	532.68
		For Class 52 Rating, Deduct	*-364.95*	
		For Class 54 Rating, Add	*507.34*	
		For Class 55 Rating, Add	*759.22*	
		For Class 56 Rating, Add	*1,007.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,276.65	536.84
		For Class 52 Rating, Deduct	*-380.96*	
		For Class 54 Rating, Add	*529.25*	
		For Class 55 Rating, Add	*791.83*	
		For Class 56 Rating, Add	*1,050.94*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,428.51	541.00
		For Class 52 Rating, Deduct	*-396.97*	
		For Class 54 Rating, Add	*551.16*	
		For Class 55 Rating, Add	*824.44*	
		For Class 56 Rating, Add	*1,094.11*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,580.38	545.17
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*573.07*	
		For Class 55 Rating, Add	*857.05*	
		For Class 56 Rating, Add	*1,137.27*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,732.24	549.33
		For Class 52 Rating, Deduct	*-428.99*	
		For Class 54 Rating, Add	*594.98*	
		For Class 55 Rating, Add	*889.66*	
		For Class 56 Rating, Add	*1,180.44*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,884.10	553.49
		For Class 52 Rating, Deduct	*-445.00*	
		For Class 54 Rating, Add	*616.89*	
		For Class 55 Rating, Add	*922.27*	
		For Class 56 Rating, Add	*1,223.61*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.96	557.65
		For Class 52 Rating, Deduct	*-461.01*	
		For Class 54 Rating, Add	*638.79*	
		For Class 55 Rating, Add	*954.88*	
		For Class 56 Rating, Add	*1,266.77*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,187.83	561.81
		For Class 52 Rating, Deduct	*-477.02*	
		For Class 54 Rating, Add	*660.70*	
		For Class 55 Rating, Add	*987.49*	
		For Class 56 Rating, Add	*1,309.94*	
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,339.69	565.98
		For Class 52 Rating, Deduct	*-493.04*	
		For Class 54 Rating, Add	*682.61*	
		For Class 55 Rating, Add	*1,020.10*	
		For Class 56 Rating, Add	*1,353.11*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,491.54	570.14
		For Class 52 Rating, Deduct	*-509.05*	
		For Class 54 Rating, Add	*704.52*	
		For Class 55 Rating, Add	*1,052.71*	
		For Class 56 Rating, Add	*1,396.27*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,643.41	574.30
		For Class 52 Rating, Deduct	*-525.06*	
		For Class 54 Rating, Add	*726.43*	
		For Class 55 Rating, Add	*1,085.32*	
		For Class 56 Rating, Add	*1,439.44*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,795.28	578.46
		For Class 52 Rating, Deduct	*-541.07*	
		For Class 54 Rating, Add	*748.34*	
		For Class 55 Rating, Add	*1,117.93*	
		For Class 56 Rating, Add	*1,482.60*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,947.13	582.62
		For Class 52 Rating, Deduct	*-557.08*	
		For Class 54 Rating, Add	*770.25*	
		For Class 55 Rating, Add	*1,150.54*	
		For Class 56 Rating, Add	*1,525.77*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,099.00	586.79
		For Class 52 Rating, Deduct	*-573.09*	
		For Class 54 Rating, Add	*792.16*	
		For Class 55 Rating, Add	*1,183.15*	
		For Class 56 Rating, Add	*1,568.94*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,250.86	590.95
		For Class 52 Rating, Deduct	*-589.10*	
		For Class 54 Rating, Add	*814.07*	
		For Class 55 Rating, Add	*1,215.76*	
		For Class 56 Rating, Add	*1,612.10*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,402.72	595.11
		For Class 52 Rating, Deduct	*-605.11*	
		For Class 54 Rating, Add	*835.98*	
		For Class 55 Rating, Add	*1,248.37*	
		For Class 56 Rating, Add	*1,655.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,554.58	599.27
		For Class 52 Rating, Deduct	*-621.13*	
		For Class 54 Rating, Add	*857.89*	
		For Class 55 Rating, Add	*1,280.98*	
		For Class 56 Rating, Add	*1,698.43*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,706.45	603.43
		For Class 52 Rating, Deduct	*-637.14*	
		For Class 54 Rating, Add	*879.80*	
		For Class 55 Rating, Add	*1,313.59*	
		For Class 56 Rating, Add	*1,741.60*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,858.31	607.60
		For Class 52 Rating, Deduct	*-653.15*	
		For Class 54 Rating, Add	*901.70*	
		For Class 55 Rating, Add	*1,346.20*	
		For Class 56 Rating, Add	*1,784.77*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,010.17	611.76
		For Class 52 Rating, Deduct	*-669.16*	
		For Class 54 Rating, Add	*923.61*	
		For Class 55 Rating, Add	*1,378.81*	
		For Class 56 Rating, Add	*1,827.93*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,162.03	615.92
		For Class 52 Rating, Deduct	*-685.17*	
		For Class 54 Rating, Add	*945.52*	
		For Class 55 Rating, Add	*1,411.43*	
		For Class 56 Rating, Add	*1,871.10*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,313.89	620.08
		For Class 52 Rating, Deduct	*-701.18*	
		For Class 54 Rating, Add	*967.43*	
		For Class 55 Rating, Add	*1,444.03*	
		For Class 56 Rating, Add	*1,914.26*	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,465.76	624.24
		For Class 52 Rating, Deduct	*-717.19*	
		For Class 54 Rating, Add	*989.34*	
		For Class 55 Rating, Add	*1,476.65*	
		For Class 56 Rating, Add	*1,957.43*	
40 05 19 00-0715		12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,192.77	582.62
		For Class 52 Rating, Deduct	*-144.10*	
		For Class 54 Rating, Add	*207.09*	
		For Class 55 Rating, Add	*313.32*	
		For Class 56 Rating, Add	*418.23*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.28	586.79
		For Class 52 Rating, Deduct	*-164.25*	
		For Class 54 Rating, Add	*234.65*	
		For Class 55 Rating, Add	*354.32*	
		For Class 56 Rating, Add	*472.50*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,571.78	590.95
		For Class 52 Rating, Deduct	*-184.41*	
		For Class 54 Rating, Add	*262.21*	
		For Class 55 Rating, Add	*395.33*	
		For Class 56 Rating, Add	*526.77*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,761.29	595.11
		For Class 52 Rating, Deduct	*-204.56*	
		For Class 54 Rating, Add	*289.76*	
		For Class 55 Rating, Add	*436.33*	
		For Class 56 Rating, Add	*581.05*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,950.79	599.27
		For Class 52 Rating, Deduct	*-224.71*	
		For Class 54 Rating, Add	*317.32*	
		For Class 55 Rating, Add	*477.34*	
		For Class 56 Rating, Add	*635.32*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,140.31	603.43
		For Class 52 Rating, Deduct	*-244.86*	
		For Class 54 Rating, Add	*344.87*	
		For Class 55 Rating, Add	*518.35*	
		For Class 56 Rating, Add	*689.59*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,329.82	607.60
		For Class 52 Rating, Deduct	*-265.01*	
		For Class 54 Rating, Add	*372.43*	
		For Class 55 Rating, Add	*559.35*	
		For Class 56 Rating, Add	*743.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,519.32	611.76
		For Class 52 Rating, Deduct	*-285.17*	
		For Class 54 Rating, Add	*399.99*	
		For Class 55 Rating, Add	*600.36*	
		For Class 56 Rating, Add	*798.13*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,708.82	615.92
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*427.54*	
		For Class 55 Rating, Add	*641.36*	
		For Class 56 Rating, Add	*852.40*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,898.33	620.08
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*455.10*	
		For Class 55 Rating, Add	*682.37*	
		For Class 56 Rating, Add	*906.67*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,087.84	624.24
		For Class 52 Rating, Deduct	*-345.62*	
		For Class 54 Rating, Add	*482.65*	
		For Class 55 Rating, Add	*723.37*	
		For Class 56 Rating, Add	*960.95*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.35	628.40
		For Class 52 Rating, Deduct	*-365.77*	
		For Class 54 Rating, Add	*510.21*	
		For Class 55 Rating, Add	*764.38*	
		For Class 56 Rating, Add	*1,015.22*	
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,466.84	632.56
		For Class 52 Rating, Deduct	*-385.93*	
		For Class 54 Rating, Add	*537.76*	
		For Class 55 Rating, Add	*805.38*	
		For Class 56 Rating, Add	*1,069.49*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,656.35	636.72
		For Class 52 Rating, Deduct	*-406.08*	
		For Class 54 Rating, Add	*565.32*	
		For Class 55 Rating, Add	*846.38*	
		For Class 56 Rating, Add	*1,123.76*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,845.86	640.88
		For Class 52 Rating, Deduct	*-426.23*	
		For Class 54 Rating, Add	*592.88*	
		For Class 55 Rating, Add	*887.39*	
		For Class 56 Rating, Add	*1,178.03*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.37	645.04
		For Class 52 Rating, Deduct	*-446.38*	
		For Class 54 Rating, Add	*620.43*	
		For Class 55 Rating, Add	*928.39*	
		For Class 56 Rating, Add	*1,232.30*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,224.87	649.21
		For Class 52 Rating, Deduct	*-466.53*	
		For Class 54 Rating, Add	*647.99*	
		For Class 55 Rating, Add	*969.40*	
		For Class 56 Rating, Add	*1,286.57*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,414.37	653.37
		For Class 52 Rating, Deduct	*-486.69*	
		For Class 54 Rating, Add	*675.54*	
		For Class 55 Rating, Add	*1,010.40*	
		For Class 56 Rating, Add	*1,340.84*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,603.89	657.53
		For Class 52 Rating, Deduct	*-506.84*	
		For Class 54 Rating, Add	*703.10*	
		For Class 55 Rating, Add	*1,051.41*	
		For Class 56 Rating, Add	*1,395.12*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,793.40	661.69
		For Class 52 Rating, Deduct	*-526.99*	
		For Class 54 Rating, Add	*730.66*	
		For Class 55 Rating, Add	*1,092.42*	
		For Class 56 Rating, Add	*1,449.39*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,982.90	665.85
		For Class 52 Rating, Deduct	*-547.14*	
		For Class 54 Rating, Add	*758.21*	
		For Class 55 Rating, Add	*1,133.42*	
		For Class 56 Rating, Add	*1,503.66*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,172.40	670.02
		For Class 52 Rating, Deduct	*-567.30*	
		For Class 54 Rating, Add	*785.77*	
		For Class 55 Rating, Add	*1,174.43*	
		For Class 56 Rating, Add	*1,557.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,361.91	674.18
		For Class 52 Rating, Deduct	*-587.45*	
		For Class 54 Rating, Add	*813.32*	
		For Class 55 Rating, Add	*1,215.43*	
		For Class 56 Rating, Add	*1,612.20*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,551.42	678.34
		For Class 52 Rating, Deduct	*-607.60*	
		For Class 54 Rating, Add	*840.88*	
		For Class 55 Rating, Add	*1,256.44*	
		For Class 56 Rating, Add	*1,666.47*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,740.92	682.50
		For Class 52 Rating, Deduct	*-627.75*	
		For Class 54 Rating, Add	*868.43*	
		For Class 55 Rating, Add	*1,297.44*	
		For Class 56 Rating, Add	*1,720.74*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,930.43	686.66
		For Class 52 Rating, Deduct	*-647.90*	
		For Class 54 Rating, Add	*895.99*	
		For Class 55 Rating, Add	*1,338.45*	
		For Class 56 Rating, Add	*1,775.01*	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,119.93	690.83
		For Class 52 Rating, Deduct	*-668.06*	
		For Class 54 Rating, Add	*923.54*	
		For Class 55 Rating, Add	*1,379.45*	
		For Class 56 Rating, Add	*1,829.28*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,309.44	694.99
		For Class 52 Rating, Deduct	*-688.21*	
		For Class 54 Rating, Add	*951.10*	
		For Class 55 Rating, Add	*1,420.46*	
		For Class 56 Rating, Add	*1,883.56*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,498.94	699.15
		For Class 52 Rating, Deduct	*-708.36*	
		For Class 54 Rating, Add	*978.66*	
		For Class 55 Rating, Add	*1,461.46*	
		For Class 56 Rating, Add	*1,937.83*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,688.45	703.31
		For Class 52 Rating, Deduct	*-728.51*	
		For Class 54 Rating, Add	*1,006.21*	
		For Class 55 Rating, Add	*1,502.47*	
		For Class 56 Rating, Add	*1,992.10*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,877.97	707.47
		For Class 52 Rating, Deduct	*-748.66*	
		For Class 54 Rating, Add	*1,033.77*	
		For Class 55 Rating, Add	*1,543.47*	
		For Class 56 Rating, Add	*2,046.37*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,067.47	711.64
		For Class 52 Rating, Deduct	*-768.82*	
		For Class 54 Rating, Add	*1,061.32*	
		For Class 55 Rating, Add	*1,584.48*	
		For Class 56 Rating, Add	*2,100.64*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,256.97	715.80
		For Class 52 Rating, Deduct	*-788.97*	
		For Class 54 Rating, Add	*1,088.88*	
		For Class 55 Rating, Add	*1,625.48*	
		For Class 56 Rating, Add	*2,154.91*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,446.48	719.96
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,116.44*	
		For Class 55 Rating, Add	*1,666.49*	
		For Class 56 Rating, Add	*2,209.18*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,635.99	724.11
		For Class 52 Rating, Deduct	*-829.27*	
		For Class 54 Rating, Add	*1,143.99*	
		For Class 55 Rating, Add	*1,707.49*	
		For Class 56 Rating, Add	*2,263.46*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,825.50	728.27
		For Class 52 Rating, Deduct	*-849.42*	
		For Class 54 Rating, Add	*1,171.55*	
		For Class 55 Rating, Add	*1,748.50*	
		For Class 56 Rating, Add	*2,317.73*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,014.99	732.44
		For Class 52 Rating, Deduct	*-869.58*	
		For Class 54 Rating, Add	*1,199.10*	
		For Class 55 Rating, Add	*1,789.50*	
		For Class 56 Rating, Add	*2,372.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,204.50	736.60
		For Class 52 Rating, Deduct	*-889.73*	
		For Class 54 Rating, Add	*1,226.66*	
		For Class 55 Rating, Add	*1,830.51*	
		For Class 56 Rating, Add	*2,426.27*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,394.01	740.76
		For Class 52 Rating, Deduct	*-909.88*	
		For Class 54 Rating, Add	*1,254.21*	
		For Class 55 Rating, Add	*1,871.51*	
		For Class 56 Rating, Add	*2,480.54*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.80	699.15
		For Class 52 Rating, Deduct	*-215.32*	
		For Class 54 Rating, Add	*306.34*	
		For Class 55 Rating, Add	*461.94*	
		For Class 56 Rating, Add	*615.59*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.46	703.31
		For Class 52 Rating, Deduct	*-239.89*	
		For Class 54 Rating, Add	*339.91*	
		For Class 55 Rating, Add	*511.90*	
		For Class 56 Rating, Add	*681.71*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,476.13	707.47
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*373.49*	
		For Class 55 Rating, Add	*561.86*	
		For Class 56 Rating, Add	*747.83*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,705.78	711.64
		For Class 52 Rating, Deduct	*-289.03*	
		For Class 54 Rating, Add	*407.07*	
		For Class 55 Rating, Add	*611.82*	
		For Class 56 Rating, Add	*813.94*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,935.44	715.80
		For Class 52 Rating, Deduct	*-313.60*	
		For Class 54 Rating, Add	*440.65*	
		For Class 55 Rating, Add	*661.78*	
		For Class 56 Rating, Add	*880.06*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,165.10	719.96
		For Class 52 Rating, Deduct	*-338.17*	
		For Class 54 Rating, Add	*474.23*	
		For Class 55 Rating, Add	*711.74*	
		For Class 56 Rating, Add	*946.18*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,394.76	724.11
		For Class 52 Rating, Deduct	*-362.74*	
		For Class 54 Rating, Add	*507.81*	
		For Class 55 Rating, Add	*761.70*	
		For Class 56 Rating, Add	*1,012.29*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,624.43	728.27
		For Class 52 Rating, Deduct	*-387.31*	
		For Class 54 Rating, Add	*541.39*	
		For Class 55 Rating, Add	*811.66*	
		For Class 56 Rating, Add	*1,078.41*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,854.07	732.44
		For Class 52 Rating, Deduct	*-411.88*	
		For Class 54 Rating, Add	*574.97*	
		For Class 55 Rating, Add	*861.62*	
		For Class 56 Rating, Add	*1,144.53*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,083.74	736.60
		For Class 52 Rating, Deduct	*-436.44*	
		For Class 54 Rating, Add	*608.54*	
		For Class 55 Rating, Add	*911.58*	
		For Class 56 Rating, Add	*1,210.64*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,313.40	740.76
		For Class 52 Rating, Deduct	*-461.01*	
		For Class 54 Rating, Add	*642.12*	
		For Class 55 Rating, Add	*961.54*	
		For Class 56 Rating, Add	*1,276.76*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,543.07	744.92
		For Class 52 Rating, Deduct	*-485.58*	
		For Class 54 Rating, Add	*675.70*	
		For Class 55 Rating, Add	*1,011.50*	
		For Class 56 Rating, Add	*1,342.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,772.73	749.08
		For Class 52 Rating, Deduct	*-510.15*	
		For Class 54 Rating, Add	*709.28*	
		For Class 55 Rating, Add	*1,061.46*	
		For Class 56 Rating, Add	*1,408.99*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,002.38	753.25
		For Class 52 Rating, Deduct	*-534.72*	
		For Class 54 Rating, Add	*742.86*	
		For Class 55 Rating, Add	*1,111.42*	
		For Class 56 Rating, Add	*1,475.11*	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,232.04	757.41
		For Class 52 Rating, Deduct	*-559.29*	
		For Class 54 Rating, Add	*776.44*	
		For Class 55 Rating, Add	*1,161.37*	
		For Class 56 Rating, Add	*1,541.23*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,461.70	761.57
		For Class 52 Rating, Deduct	*-583.86*	
		For Class 54 Rating, Add	*810.02*	
		For Class 55 Rating, Add	*1,211.33*	
		For Class 56 Rating, Add	*1,607.34*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,691.37	765.73
		For Class 52 Rating, Deduct	*-608.43*	
		For Class 54 Rating, Add	*843.60*	
		For Class 55 Rating, Add	*1,261.29*	
		For Class 56 Rating, Add	*1,673.46*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,921.01	769.89
		For Class 52 Rating, Deduct	*-633.00*	
		For Class 54 Rating, Add	*877.17*	
		For Class 55 Rating, Add	*1,311.25*	
		For Class 56 Rating, Add	*1,739.57*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,150.68	774.06
		For Class 52 Rating, Deduct	*-657.57*	
		For Class 54 Rating, Add	*910.75*	
		For Class 55 Rating, Add	*1,361.21*	
		For Class 56 Rating, Add	*1,805.69*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,380.34	778.22
		For Class 52 Rating, Deduct	*-682.13*	
		For Class 54 Rating, Add	*944.33*	
		For Class 55 Rating, Add	*1,411.17*	
		For Class 56 Rating, Add	*1,871.81*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,610.01	782.38
		For Class 52 Rating, Deduct	*-706.70*	
		For Class 54 Rating, Add	*977.91*	
		For Class 55 Rating, Add	*1,461.13*	
		For Class 56 Rating, Add	*1,937.93*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,839.66	786.54
		For Class 52 Rating, Deduct	*-731.27*	
		For Class 54 Rating, Add	*1,011.49*	
		For Class 55 Rating, Add	*1,511.09*	
		For Class 56 Rating, Add	*2,004.04*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,069.31	790.70
		For Class 52 Rating, Deduct	*-755.84*	
		For Class 54 Rating, Add	*1,045.07*	
		For Class 55 Rating, Add	*1,561.05*	
		For Class 56 Rating, Add	*2,070.16*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,298.98	794.87
		For Class 52 Rating, Deduct	*-780.41*	
		For Class 54 Rating, Add	*1,078.65*	
		For Class 55 Rating, Add	*1,611.01*	
		For Class 56 Rating, Add	*2,136.28*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,528.64	799.03
		For Class 52 Rating, Deduct	*-804.98*	
		For Class 54 Rating, Add	*1,112.23*	
		For Class 55 Rating, Add	*1,660.97*	
		For Class 56 Rating, Add	*2,202.39*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,758.30	803.19
		For Class 52 Rating, Deduct	*-829.55*	
		For Class 54 Rating, Add	*1,145.81*	
		For Class 55 Rating, Add	*1,710.93*	
		For Class 56 Rating, Add	*2,268.51*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,987.96	807.35
		For Class 52 Rating, Deduct	*-854.12*	
		For Class 54 Rating, Add	*1,179.38*	
		For Class 55 Rating, Add	*1,760.89*	
		For Class 56 Rating, Add	*2,334.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,217.62	811.52
		For Class 52 Rating, Deduct	*-878.69*	
		For Class 54 Rating, Add	*1,212.96*	
		For Class 55 Rating, Add	*1,810.85*	
		For Class 56 Rating, Add	*2,400.74*	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,447.28	815.68
		For Class 52 Rating, Deduct	*-903.26*	
		For Class 54 Rating, Add	*1,246.54*	
		For Class 55 Rating, Add	*1,860.81*	
		For Class 56 Rating, Add	*2,466.86*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,676.94	819.84
		For Class 52 Rating, Deduct	*-927.82*	
		For Class 54 Rating, Add	*1,280.12*	
		For Class 55 Rating, Add	*1,910.77*	
		For Class 56 Rating, Add	*2,532.98*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,906.60	823.99
		For Class 52 Rating, Deduct	*-952.39*	
		For Class 54 Rating, Add	*1,313.70*	
		For Class 55 Rating, Add	*1,960.72*	
		For Class 56 Rating, Add	*2,599.09*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,136.26	828.15
		For Class 52 Rating, Deduct	*-976.96*	
		For Class 54 Rating, Add	*1,347.28*	
		For Class 55 Rating, Add	*2,010.68*	
		For Class 56 Rating, Add	*2,665.21*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,365.92	832.32
		For Class 52 Rating, Deduct	*-1,001.53*	
		For Class 54 Rating, Add	*1,380.86*	
		For Class 55 Rating, Add	*2,060.64*	
		For Class 56 Rating, Add	*2,731.32*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,595.57	836.48
		For Class 52 Rating, Deduct	*-1,026.10*	
		For Class 54 Rating, Add	*1,414.44*	
		For Class 55 Rating, Add	*2,110.60*	
		For Class 56 Rating, Add	*2,797.44*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,825.24	840.64
		For Class 52 Rating, Deduct	*-1,050.67*	
		For Class 54 Rating, Add	*1,448.02*	
		For Class 55 Rating, Add	*2,160.56*	
		For Class 56 Rating, Add	*2,863.56*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,054.90	844.80
		For Class 52 Rating, Deduct	*-1,075.24*	
		For Class 54 Rating, Add	*1,481.59*	
		For Class 55 Rating, Add	*2,210.52*	
		For Class 56 Rating, Add	*2,929.67*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,284.57	848.96
		For Class 52 Rating, Deduct	*-1,099.81*	
		For Class 54 Rating, Add	*1,515.17*	
		For Class 55 Rating, Add	*2,260.48*	
		For Class 56 Rating, Add	*2,995.79*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,514.21	853.13
		For Class 52 Rating, Deduct	*-1,124.38*	
		For Class 54 Rating, Add	*1,548.75*	
		For Class 55 Rating, Add	*2,310.44*	
		For Class 56 Rating, Add	*3,061.91*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.01	799.03
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*361.98*	
		For Class 55 Rating, Add	*545.60*	
		For Class 56 Rating, Add	*726.91*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,794.31	803.19
		For Class 52 Rating, Deduct	*-283.51*	
		For Class 54 Rating, Add	*401.21*	
		For Class 55 Rating, Add	*603.96*	
		For Class 56 Rating, Add	*804.13*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,061.62	807.35
		For Class 52 Rating, Deduct	*-312.22*	
		For Class 54 Rating, Add	*440.43*	
		For Class 55 Rating, Add	*662.31*	
		For Class 56 Rating, Add	*881.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,328.92	811.52
		For Class 52 Rating, Deduct	*-340.93*	
		For Class 54 Rating, Add	*479.66*	
		For Class 55 Rating, Add	*720.67*	
		For Class 56 Rating, Add	*958.58*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,596.22	815.68
		For Class 52 Rating, Deduct	*-369.64*	
		For Class 54 Rating, Add	*518.88*	
		For Class 55 Rating, Add	*779.02*	
		For Class 56 Rating, Add	*1,035.79*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,863.52	819.84
		For Class 52 Rating, Deduct	*-398.35*	
		For Class 54 Rating, Add	*558.11*	
		For Class 55 Rating, Add	*837.37*	
		For Class 56 Rating, Add	*1,113.02*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,130.83	823.99
		For Class 52 Rating, Deduct	*-427.06*	
		For Class 54 Rating, Add	*597.33*	
		For Class 55 Rating, Add	*895.73*	
		For Class 56 Rating, Add	*1,190.24*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,398.14	828.15
		For Class 52 Rating, Deduct	*-455.77*	
		For Class 54 Rating, Add	*636.56*	
		For Class 55 Rating, Add	*954.08*	
		For Class 56 Rating, Add	*1,267.46*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,665.44	832.32
		For Class 52 Rating, Deduct	*-484.48*	
		For Class 54 Rating, Add	*675.79*	
		For Class 55 Rating, Add	*1,012.44*	
		For Class 56 Rating, Add	*1,344.68*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,907.64	836.48
		For Class 52 Rating, Deduct	*-510.43*	
		For Class 54 Rating, Add	*711.25*	
		For Class 55 Rating, Add	*1,065.19*	
		For Class 56 Rating, Add	*1,414.50*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,200.04	840.64
		For Class 52 Rating, Deduct	*-541.90*	
		For Class 54 Rating, Add	*754.24*	
		For Class 55 Rating, Add	*1,129.14*	
		For Class 56 Rating, Add	*1,499.12*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,467.35	844.80
		For Class 52 Rating, Deduct	*-570.61*	
		For Class 54 Rating, Add	*793.46*	
		For Class 55 Rating, Add	*1,187.50*	
		For Class 56 Rating, Add	*1,576.35*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,734.66	848.96
		For Class 52 Rating, Deduct	*-599.32*	
		For Class 54 Rating, Add	*832.69*	
		For Class 55 Rating, Add	*1,245.85*	
		For Class 56 Rating, Add	*1,653.57*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,001.95	853.13
		For Class 52 Rating, Deduct	*-628.03*	
		For Class 54 Rating, Add	*871.91*	
		For Class 55 Rating, Add	*1,304.21*	
		For Class 56 Rating, Add	*1,730.79*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,269.26	857.29
		For Class 52 Rating, Deduct	*-656.74*	
		For Class 54 Rating, Add	*911.14*	
		For Class 55 Rating, Add	*1,362.56*	
		For Class 56 Rating, Add	*1,808.01*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,536.57	861.45
		For Class 52 Rating, Deduct	*-685.45*	
		For Class 54 Rating, Add	*950.36*	
		For Class 55 Rating, Add	*1,420.91*	
		For Class 56 Rating, Add	*1,885.23*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,803.88	865.61
		For Class 52 Rating, Deduct	*-714.16*	
		For Class 54 Rating, Add	*989.59*	
		For Class 55 Rating, Add	*1,479.27*	
		For Class 56 Rating, Add	*1,962.46*	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,071.16	869.77
		For Class 52 Rating, Deduct	*-742.87*	
		For Class 54 Rating, Add	*1,028.81*	
		For Class 55 Rating, Add	*1,537.62*	
		For Class 56 Rating, Add	*2,039.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,338.47	873.94
		For Class 52 Rating, Deduct	*-771.58*	
		For Class 54 Rating, Add	*1,068.04*	
		For Class 55 Rating, Add	*1,595.97*	
		For Class 56 Rating, Add	*2,116.90*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,605.78	878.10
		For Class 52 Rating, Deduct	*-800.29*	
		For Class 54 Rating, Add	*1,107.26*	
		For Class 55 Rating, Add	*1,654.33*	
		For Class 56 Rating, Add	*2,194.12*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,873.09	882.26
		For Class 52 Rating, Deduct	*-829.00*	
		For Class 54 Rating, Add	*1,146.49*	
		For Class 55 Rating, Add	*1,712.68*	
		For Class 56 Rating, Add	*2,271.34*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,140.39	886.42
		For Class 52 Rating, Deduct	*-857.71*	
		For Class 54 Rating, Add	*1,185.72*	
		For Class 55 Rating, Add	*1,771.04*	
		For Class 56 Rating, Add	*2,348.56*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,407.69	890.58
		For Class 52 Rating, Deduct	*-886.42*	
		For Class 54 Rating, Add	*1,224.94*	
		For Class 55 Rating, Add	*1,829.39*	
		For Class 56 Rating, Add	*2,425.78*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,674.99	894.75
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,264.17*	
		For Class 55 Rating, Add	*1,887.74*	
		For Class 56 Rating, Add	*2,503.00*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,942.30	898.91
		For Class 52 Rating, Deduct	*-943.84*	
		For Class 54 Rating, Add	*1,303.39*	
		For Class 55 Rating, Add	*1,946.10*	
		For Class 56 Rating, Add	*2,580.23*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,209.60	903.07
		For Class 52 Rating, Deduct	*-972.55*	
		For Class 54 Rating, Add	*1,342.62*	
		For Class 55 Rating, Add	*2,004.45*	
		For Class 56 Rating, Add	*2,657.45*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,476.91	907.23
		For Class 52 Rating, Deduct	*-1,001.26*	
		For Class 54 Rating, Add	*1,381.84*	
		For Class 55 Rating, Add	*2,062.81*	
		For Class 56 Rating, Add	*2,734.67*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,744.21	911.39
		For Class 52 Rating, Deduct	*-1,029.97*	
		For Class 54 Rating, Add	*1,421.07*	
		For Class 55 Rating, Add	*2,121.16*	
		For Class 56 Rating, Add	*2,811.89*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,011.52	915.56
		For Class 52 Rating, Deduct	*-1,058.68*	
		For Class 54 Rating, Add	*1,460.29*	
		For Class 55 Rating, Add	*2,179.52*	
		For Class 56 Rating, Add	*2,889.11*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,278.81	919.71
		For Class 52 Rating, Deduct	*-1,087.38*	
		For Class 54 Rating, Add	*1,499.52*	
		For Class 55 Rating, Add	*2,237.87*	
		For Class 56 Rating, Add	*2,966.33*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,546.12	923.87
		For Class 52 Rating, Deduct	*-1,116.09*	
		For Class 54 Rating, Add	*1,538.74*	
		For Class 55 Rating, Add	*2,296.22*	
		For Class 56 Rating, Add	*3,043.55*	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,813.43	928.03
		For Class 52 Rating, Deduct	*-1,144.80*	
		For Class 54 Rating, Add	*1,577.97*	
		For Class 55 Rating, Add	*2,354.58*	
		For Class 56 Rating, Add	*3,120.78*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,080.73	932.19
		For Class 52 Rating, Deduct	*-1,173.51*	
		For Class 54 Rating, Add	*1,617.20*	
		For Class 55 Rating, Add	*2,412.93*	
		For Class 56 Rating, Add	*3,198.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,348.03	936.36
		For Class 52 Rating, Deduct	*-1,202.22*	
		For Class 54 Rating, Add	*1,656.42*	
		For Class 55 Rating, Add	*2,471.29*	
		For Class 56 Rating, Add	*3,275.22*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,615.34	940.52
		For Class 52 Rating, Deduct	*-1,230.93*	
		For Class 54 Rating, Add	*1,695.65*	
		For Class 55 Rating, Add	*2,529.64*	
		For Class 56 Rating, Add	*3,352.44*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,882.64	944.68
		For Class 52 Rating, Deduct	*-1,259.64*	
		For Class 54 Rating, Add	*1,734.87*	
		For Class 55 Rating, Add	*2,587.99*	
		For Class 56 Rating, Add	*3,429.66*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,149.95	948.84
		For Class 52 Rating, Deduct	*-1,288.35*	
		For Class 54 Rating, Add	*1,774.10*	
		For Class 55 Rating, Add	*2,646.35*	
		For Class 56 Rating, Add	*3,506.88*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,417.24	953.00
		For Class 52 Rating, Deduct	*-1,317.06*	
		For Class 54 Rating, Add	*1,813.32*	
		For Class 55 Rating, Add	*2,704.70*	
		For Class 56 Rating, Add	*3,584.11*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,112.51	900.58
		For Class 52 Rating, Deduct	*-302.28*	
		For Class 54 Rating, Add	*428.58*	
		For Class 55 Rating, Add	*645.55*	
		For Class 56 Rating, Add	*859.78*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,419.96	904.74
		For Class 52 Rating, Deduct	*-335.41*	
		For Class 54 Rating, Add	*473.82*	
		For Class 55 Rating, Add	*712.86*	
		For Class 56 Rating, Add	*948.85*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,727.43	908.90
		For Class 52 Rating, Deduct	*-368.54*	
		For Class 54 Rating, Add	*519.07*	
		For Class 55 Rating, Add	*780.17*	
		For Class 56 Rating, Add	*1,037.92*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,034.89	913.06
		For Class 52 Rating, Deduct	*-401.66*	
		For Class 54 Rating, Add	*564.32*	
		For Class 55 Rating, Add	*847.48*	
		For Class 56 Rating, Add	*1,126.99*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,342.34	917.23
		For Class 52 Rating, Deduct	*-434.79*	
		For Class 54 Rating, Add	*609.57*	
		For Class 55 Rating, Add	*914.79*	
		For Class 56 Rating, Add	*1,216.05*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,649.80	921.39
		For Class 52 Rating, Deduct	*-467.91*	
		For Class 54 Rating, Add	*654.82*	
		For Class 55 Rating, Add	*982.10*	
		For Class 56 Rating, Add	*1,305.12*	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,957.25	925.55
		For Class 52 Rating, Deduct	*-501.04*	
		For Class 54 Rating, Add	*700.07*	
		For Class 55 Rating, Add	*1,049.40*	
		For Class 56 Rating, Add	*1,394.19*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,264.72	929.71
		For Class 52 Rating, Deduct	*-534.17*	
		For Class 54 Rating, Add	*745.32*	
		For Class 55 Rating, Add	*1,116.71*	
		For Class 56 Rating, Add	*1,483.25*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,572.17	933.86
		For Class 52 Rating, Deduct	*-567.30*	
		For Class 54 Rating, Add	*790.56*	
		For Class 55 Rating, Add	*1,184.02*	
		For Class 56 Rating, Add	*1,572.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,879.63	938.03
		For Class 52 Rating, Deduct	*-600.42*	
		For Class 54 Rating, Add	*835.81*	
		For Class 55 Rating, Add	*1,251.33*	
		For Class 56 Rating, Add	*1,661.39*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,187.08	942.19
		For Class 52 Rating, Deduct	*-633.55*	
		For Class 54 Rating, Add	*881.06*	
		For Class 55 Rating, Add	*1,318.64*	
		For Class 56 Rating, Add	*1,750.45*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,494.54	946.35
		For Class 52 Rating, Deduct	*-666.67*	
		For Class 54 Rating, Add	*926.31*	
		For Class 55 Rating, Add	*1,385.94*	
		For Class 56 Rating, Add	*1,839.52*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,802.00	950.51
		For Class 52 Rating, Deduct	*-699.80*	
		For Class 54 Rating, Add	*971.56*	
		For Class 55 Rating, Add	*1,453.25*	
		For Class 56 Rating, Add	*1,928.59*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,109.46	954.67
		For Class 52 Rating, Deduct	*-732.93*	
		For Class 54 Rating, Add	*1,016.81*	
		For Class 55 Rating, Add	*1,520.56*	
		For Class 56 Rating, Add	*2,017.65*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,416.92	958.84
		For Class 52 Rating, Deduct	*-766.06*	
		For Class 54 Rating, Add	*1,062.05*	
		For Class 55 Rating, Add	*1,587.87*	
		For Class 56 Rating, Add	*2,106.72*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,724.37	963.00
		For Class 52 Rating, Deduct	*-799.18*	
		For Class 54 Rating, Add	*1,107.30*	
		For Class 55 Rating, Add	*1,655.18*	
		For Class 56 Rating, Add	*2,195.79*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,031.82	967.16
		For Class 52 Rating, Deduct	*-832.31*	
		For Class 54 Rating, Add	*1,152.55*	
		For Class 55 Rating, Add	*1,722.49*	
		For Class 56 Rating, Add	*2,284.85*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,339.29	971.32
		For Class 52 Rating, Deduct	*-865.44*	
		For Class 54 Rating, Add	*1,197.80*	
		For Class 55 Rating, Add	*1,789.80*	
		For Class 56 Rating, Add	*2,373.92*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,646.75	975.48
		For Class 52 Rating, Deduct	*-898.56*	
		For Class 54 Rating, Add	*1,243.05*	
		For Class 55 Rating, Add	*1,857.10*	
		For Class 56 Rating, Add	*2,462.99*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,954.21	979.65
		For Class 52 Rating, Deduct	*-931.69*	
		For Class 54 Rating, Add	*1,288.30*	
		For Class 55 Rating, Add	*1,924.41*	
		For Class 56 Rating, Add	*2,552.06*	
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,261.65	983.81
		For Class 52 Rating, Deduct	*-964.82*	
		For Class 54 Rating, Add	*1,333.54*	
		For Class 55 Rating, Add	*1,991.72*	
		For Class 56 Rating, Add	*2,641.12*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,569.11	987.97
		For Class 52 Rating, Deduct	*-997.94*	
		For Class 54 Rating, Add	*1,378.79*	
		For Class 55 Rating, Add	*2,059.03*	
		For Class 56 Rating, Add	*2,730.19*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,876.58	992.13
		For Class 52 Rating, Deduct	*-1,031.07*	
		For Class 54 Rating, Add	*1,424.04*	
		For Class 55 Rating, Add	*2,126.34*	
		For Class 56 Rating, Add	*2,819.26*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,184.04	996.29
		For Class 52 Rating, Deduct	*-1,064.20*	
		For Class 54 Rating, Add	*1,469.29*	
		For Class 55 Rating, Add	*2,193.64*	
		For Class 56 Rating, Add	*2,908.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,491.49	1,000.46
		For Class 52 Rating, Deduct	*-1,097.32*	
		For Class 54 Rating, Add	*1,514.54*	
		For Class 55 Rating, Add	*2,260.95*	
		For Class 56 Rating, Add	*2,997.39*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,798.94	1,004.62
		For Class 52 Rating, Deduct	*-1,130.45*	
		For Class 54 Rating, Add	*1,559.79*	
		For Class 55 Rating, Add	*2,328.26*	
		For Class 56 Rating, Add	*3,086.46*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,106.40	1,008.78
		For Class 52 Rating, Deduct	*-1,163.58*	
		For Class 54 Rating, Add	*1,605.04*	
		For Class 55 Rating, Add	*2,395.57*	
		For Class 56 Rating, Add	*3,175.52*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,413.87	1,012.94
		For Class 52 Rating, Deduct	*-1,196.70*	
		For Class 54 Rating, Add	*1,650.29*	
		For Class 55 Rating, Add	*2,462.88*	
		For Class 56 Rating, Add	*3,264.59*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,721.32	1,017.10
		For Class 52 Rating, Deduct	*-1,229.83*	
		For Class 54 Rating, Add	*1,695.53*	
		For Class 55 Rating, Add	*2,530.19*	
		For Class 56 Rating, Add	*3,353.66*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,028.78	1,021.27
		For Class 52 Rating, Deduct	*-1,262.96*	
		For Class 54 Rating, Add	*1,740.78*	
		For Class 55 Rating, Add	*2,597.49*	
		For Class 56 Rating, Add	*3,442.72*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,336.23	1,025.43
		For Class 52 Rating, Deduct	*-1,296.08*	
		For Class 54 Rating, Add	*1,786.03*	
		For Class 55 Rating, Add	*2,664.80*	
		For Class 56 Rating, Add	*3,531.79*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,643.69	1,029.59
		For Class 52 Rating, Deduct	*-1,329.21*	
		For Class 54 Rating, Add	*1,831.28*	
		For Class 55 Rating, Add	*2,732.11*	
		For Class 56 Rating, Add	*3,620.86*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,951.15	1,033.74
		For Class 52 Rating, Deduct	*-1,362.34*	
		For Class 54 Rating, Add	*1,876.53*	
		For Class 55 Rating, Add	*2,799.42*	
		For Class 56 Rating, Add	*3,709.93*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,258.61	1,037.90
		For Class 52 Rating, Deduct	*-1,395.46*	
		For Class 54 Rating, Add	*1,921.78*	
		For Class 55 Rating, Add	*2,866.73*	
		For Class 56 Rating, Add	*3,798.99*	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,566.06	1,042.07
		For Class 52 Rating, Deduct	*-1,428.59*	
		For Class 54 Rating, Add	*1,967.02*	
		For Class 55 Rating, Add	*2,934.03*	
		For Class 56 Rating, Add	*3,888.06*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,873.52	1,046.23
		For Class 52 Rating, Deduct	*-1,461.72*	
		For Class 54 Rating, Add	*2,012.27*	
		For Class 55 Rating, Add	*3,001.34*	
		For Class 56 Rating, Add	*3,977.12*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,180.97	1,050.39
		For Class 52 Rating, Deduct	*-1,494.84*	
		For Class 54 Rating, Add	*2,057.52*	
		For Class 55 Rating, Add	*3,068.65*	
		For Class 56 Rating, Add	*4,066.19*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,488.44	1,054.55
		For Class 52 Rating, Deduct	*-1,527.97*	
		For Class 54 Rating, Add	*2,102.77*	
		For Class 55 Rating, Add	*3,135.96*	
		For Class 56 Rating, Add	*4,155.26*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,767.23	1,027.91
		For Class 52 Rating, Deduct	*-353.08*	
		For Class 54 Rating, Add	*500.16*	
		For Class 55 Rating, Add	*753.16*	
		For Class 56 Rating, Add	*1,002.95*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,119.85	1,032.07
		For Class 52 Rating, Deduct	*-391.17*	
		For Class 54 Rating, Add	*552.18*	
		For Class 55 Rating, Add	*830.54*	
		For Class 56 Rating, Add	*1,105.34*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,472.48	1,036.23
		For Class 52 Rating, Deduct	*-429.27*	
		For Class 54 Rating, Add	*604.21*	
		For Class 55 Rating, Add	*907.92*	
		For Class 56 Rating, Add	*1,207.74*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,825.11	1,040.40
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*656.23*	
		For Class 55 Rating, Add	*985.30*	
		For Class 56 Rating, Add	*1,310.13*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,177.75	1,044.56
		For Class 52 Rating, Deduct	*-505.46*	
		For Class 54 Rating, Add	*708.25*	
		For Class 55 Rating, Add	*1,062.69*	
		For Class 56 Rating, Add	*1,412.52*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,530.38	1,048.72
		For Class 52 Rating, Deduct	*-543.55*	
		For Class 54 Rating, Add	*760.28*	
		For Class 55 Rating, Add	*1,140.07*	
		For Class 56 Rating, Add	*1,514.92*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,883.00	1,052.88
		For Class 52 Rating, Deduct	*-581.65*	
		For Class 54 Rating, Add	*812.30*	
		For Class 55 Rating, Add	*1,217.45*	
		For Class 56 Rating, Add	*1,617.31*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,235.63	1,057.04
		For Class 52 Rating, Deduct	*-619.75*	
		For Class 54 Rating, Add	*864.33*	
		For Class 55 Rating, Add	*1,294.83*	
		For Class 56 Rating, Add	*1,719.70*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,588.27	1,061.21
		For Class 52 Rating, Deduct	*-657.84*	
		For Class 54 Rating, Add	*916.35*	
		For Class 55 Rating, Add	*1,372.21*	
		For Class 56 Rating, Add	*1,822.10*	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,940.90	1,065.37
		For Class 52 Rating, Deduct	*-695.94*	
		For Class 54 Rating, Add	*968.38*	
		For Class 55 Rating, Add	*1,449.59*	
		For Class 56 Rating, Add	*1,924.49*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,293.53	1,069.53
		For Class 52 Rating, Deduct	*-734.03*	
		For Class 54 Rating, Add	*1,020.40*	
		For Class 55 Rating, Add	*1,526.98*	
		For Class 56 Rating, Add	*2,026.88*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,646.15	1,073.69
		For Class 52 Rating, Deduct	*-772.13*	
		For Class 54 Rating, Add	*1,072.42*	
		For Class 55 Rating, Add	*1,604.36*	
		For Class 56 Rating, Add	*2,129.27*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,998.79	1,077.85
		For Class 52 Rating, Deduct	*-810.22*	
		For Class 54 Rating, Add	*1,124.45*	
		For Class 55 Rating, Add	*1,681.74*	
		For Class 56 Rating, Add	*2,231.67*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,351.42	1,082.02
		For Class 52 Rating, Deduct	*-848.32*	
		For Class 54 Rating, Add	*1,176.47*	
		For Class 55 Rating, Add	*1,759.12*	
		For Class 56 Rating, Add	*2,334.06*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,704.05	1,086.18
		For Class 52 Rating, Deduct	*-886.42*	
		For Class 54 Rating, Add	*1,228.50*	
		For Class 55 Rating, Add	*1,836.50*	
		For Class 56 Rating, Add	*2,436.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,056.67	1,090.34
		For Class 52 Rating, Deduct	*-924.51*	
		For Class 54 Rating, Add	*1,280.52*	
		For Class 55 Rating, Add	*1,913.89*	
		For Class 56 Rating, Add	*2,538.84*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,409.31	1,094.50
		For Class 52 Rating, Deduct	*-962.61*	
		For Class 54 Rating, Add	*1,332.55*	
		For Class 55 Rating, Add	*1,991.27*	
		For Class 56 Rating, Add	*2,641.24*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,761.94	1,098.66
		For Class 52 Rating, Deduct	*-1,000.70*	
		For Class 54 Rating, Add	*1,384.57*	
		For Class 55 Rating, Add	*2,068.65*	
		For Class 56 Rating, Add	*2,743.63*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,114.56	1,102.83
		For Class 52 Rating, Deduct	*-1,038.80*	
		For Class 54 Rating, Add	*1,436.59*	
		For Class 55 Rating, Add	*2,146.03*	
		For Class 56 Rating, Add	*2,846.02*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,467.20	1,106.99
		For Class 52 Rating, Deduct	*-1,076.89*	
		For Class 54 Rating, Add	*1,488.62*	
		For Class 55 Rating, Add	*2,223.41*	
		For Class 56 Rating, Add	*2,948.42*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,819.82	1,111.14
		For Class 52 Rating, Deduct	*-1,114.99*	
		For Class 54 Rating, Add	*1,540.64*	
		For Class 55 Rating, Add	*2,300.79*	
		For Class 56 Rating, Add	*3,050.81*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,172.46	1,115.30
		For Class 52 Rating, Deduct	*-1,153.09*	
		For Class 54 Rating, Add	*1,592.67*	
		For Class 55 Rating, Add	*2,378.18*	
		For Class 56 Rating, Add	*3,153.20*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,525.09	1,119.46
		For Class 52 Rating, Deduct	*-1,191.18*	
		For Class 54 Rating, Add	*1,644.69*	
		For Class 55 Rating, Add	*2,455.56*	
		For Class 56 Rating, Add	*3,255.59*	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,877.72	1,123.63
		For Class 52 Rating, Deduct	*-1,229.28*	
		For Class 54 Rating, Add	*1,696.72*	
		For Class 55 Rating, Add	*2,532.94*	
		For Class 56 Rating, Add	*3,357.99*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,230.35	1,127.79
		For Class 52 Rating, Deduct	*-1,267.37*	
		For Class 54 Rating, Add	*1,748.74*	
		For Class 55 Rating, Add	*2,610.32*	
		For Class 56 Rating, Add	*3,460.38*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,582.98	1,131.95
		For Class 52 Rating, Deduct	*-1,305.47*	
		For Class 54 Rating, Add	*1,800.77*	
		For Class 55 Rating, Add	*2,687.70*	
		For Class 56 Rating, Add	*3,562.77*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,935.61	1,136.11
		For Class 52 Rating, Deduct	*-1,343.56*	
		For Class 54 Rating, Add	*1,852.79*	
		For Class 55 Rating, Add	*2,765.08*	
		For Class 56 Rating, Add	*3,665.16*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,288.24	1,140.28
		For Class 52 Rating, Deduct	*-1,381.66*	
		For Class 54 Rating, Add	*1,904.81*	
		For Class 55 Rating, Add	*2,842.47*	
		For Class 56 Rating, Add	*3,767.56*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,640.87	1,144.44
		For Class 52 Rating, Deduct	*-1,419.76*	
		For Class 54 Rating, Add	*1,956.84*	
		For Class 55 Rating, Add	*2,919.85*	
		For Class 56 Rating, Add	*3,869.95*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,993.51	1,148.60
		For Class 52 Rating, Deduct	*-1,457.85*	
		For Class 54 Rating, Add	*2,008.86*	
		For Class 55 Rating, Add	*2,997.23*	
		For Class 56 Rating, Add	*3,972.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,346.13	1,152.76
		For Class 52 Rating, Deduct	*-1,495.95*	
		For Class 54 Rating, Add	*2,060.89*	
		For Class 55 Rating, Add	*3,074.61*	
		For Class 56 Rating, Add	*4,074.74*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,698.76	1,156.92
		For Class 52 Rating, Deduct	*-1,534.04*	
		For Class 54 Rating, Add	*2,112.91*	
		For Class 55 Rating, Add	*3,151.99*	
		For Class 56 Rating, Add	*4,177.13*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,051.39	1,161.09
		For Class 52 Rating, Deduct	*-1,572.14*	
		For Class 54 Rating, Add	*2,164.94*	
		For Class 55 Rating, Add	*3,229.38*	
		For Class 56 Rating, Add	*4,279.52*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,404.03	1,165.25
		For Class 52 Rating, Deduct	*-1,610.24*	
		For Class 54 Rating, Add	*2,216.96*	
		For Class 55 Rating, Add	*3,306.76*	
		For Class 56 Rating, Add	*4,381.92*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,756.66	1,169.41
		For Class 52 Rating, Deduct	*-1,648.33*	
		For Class 54 Rating, Add	*2,268.99*	
		For Class 55 Rating, Add	*3,384.14*	
		For Class 56 Rating, Add	*4,484.31*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,109.28	1,173.57
		For Class 52 Rating, Deduct	*-1,686.43*	
		For Class 54 Rating, Add	*2,321.01*	
		For Class 55 Rating, Add	*3,461.52*	
		For Class 56 Rating, Add	*4,586.70*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,461.91	1,177.73
		For Class 52 Rating, Deduct	*-1,724.52*	
		For Class 54 Rating, Add	*2,373.03*	
		For Class 55 Rating, Add	*3,538.90*	
		For Class 56 Rating, Add	*4,689.09*	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,814.55	1,181.90
		For Class 52 Rating, Deduct	*-1,762.62*	
		For Class 54 Rating, Add	*2,425.06*	
		For Class 55 Rating, Add	*3,616.29*	
		For Class 56 Rating, Add	*4,791.49*	
40 05 19 00-0911		24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,896.70	1,215.18
		For Class 52 Rating, Deduct	*-446.11*	
		For Class 54 Rating, Add	*630.42*	
		For Class 55 Rating, Add	*948.57*	
		For Class 56 Rating, Add	*1,262.66*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,332.16	1,219.34
		For Class 52 Rating, Deduct	*-493.31*	
		For Class 54 Rating, Add	*694.87*	
		For Class 55 Rating, Add	*1,044.42*	
		For Class 56 Rating, Add	*1,389.48*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,767.60	1,223.51
		For Class 52 Rating, Deduct	*-540.52*	
		For Class 54 Rating, Add	*759.32*	
		For Class 55 Rating, Add	*1,140.27*	
		For Class 56 Rating, Add	*1,516.31*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,203.05	1,227.67
		For Class 52 Rating, Deduct	*-587.72*	
		For Class 54 Rating, Add	*823.76*	
		For Class 55 Rating, Add	*1,236.12*	
		For Class 56 Rating, Add	*1,643.13*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,638.49	1,231.83
		For Class 52 Rating, Deduct	*-634.93*	
		For Class 54 Rating, Add	*888.21*	
		For Class 55 Rating, Add	*1,331.97*	
		For Class 56 Rating, Add	*1,769.95*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,073.94	1,235.99
		For Class 52 Rating, Deduct	*-682.13*	
		For Class 54 Rating, Add	*952.66*	
		For Class 55 Rating, Add	*1,427.82*	
		For Class 56 Rating, Add	*1,896.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,509.38	1,240.15
		For Class 52 Rating, Deduct	*-729.34*	
		For Class 54 Rating, Add	*1,017.10*	
		For Class 55 Rating, Add	*1,523.67*	
		For Class 56 Rating, Add	*2,023.60*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,944.83	1,244.32
		For Class 52 Rating, Deduct	*-776.55*	
		For Class 54 Rating, Add	*1,081.55*	
		For Class 55 Rating, Add	*1,619.52*	
		For Class 56 Rating, Add	*2,150.42*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,380.29	1,248.48
		For Class 52 Rating, Deduct	*-823.75*	
		For Class 54 Rating, Add	*1,146.00*	
		For Class 55 Rating, Add	*1,715.37*	
		For Class 56 Rating, Add	*2,277.25*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,815.73	1,252.64
		For Class 52 Rating, Deduct	*-870.96*	
		For Class 54 Rating, Add	*1,210.44*	
		For Class 55 Rating, Add	*1,811.22*	
		For Class 56 Rating, Add	*2,404.07*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,251.17	1,256.80
		For Class 52 Rating, Deduct	*-918.16*	
		For Class 54 Rating, Add	*1,274.89*	
		For Class 55 Rating, Add	*1,907.07*	
		For Class 56 Rating, Add	*2,530.90*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,686.62	1,260.96
		For Class 52 Rating, Deduct	*-965.37*	
		For Class 54 Rating, Add	*1,339.34*	
		For Class 55 Rating, Add	*2,002.92*	
		For Class 56 Rating, Add	*2,657.72*	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,122.07	1,265.13
		For Class 52 Rating, Deduct	*-1,012.57*	
		For Class 54 Rating, Add	*1,403.78*	
		For Class 55 Rating, Add	*2,098.77*	
		For Class 56 Rating, Add	*2,784.54*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,557.52	1,269.29
		For Class 52 Rating, Deduct	*-1,059.78*	
		For Class 54 Rating, Add	*1,468.23*	
		For Class 55 Rating, Add	*2,194.62*	
		For Class 56 Rating, Add	*2,911.37*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,992.96	1,273.45
		For Class 52 Rating, Deduct	*-1,106.99*	
		For Class 54 Rating, Add	*1,532.68*	
		For Class 55 Rating, Add	*2,290.47*	
		For Class 56 Rating, Add	*3,038.19*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,428.41	1,277.61
		For Class 52 Rating, Deduct	*-1,154.19*	
		For Class 54 Rating, Add	*1,597.13*	
		For Class 55 Rating, Add	*2,386.32*	
		For Class 56 Rating, Add	*3,165.02*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,863.86	1,281.77
		For Class 52 Rating, Deduct	*-1,201.40*	
		For Class 54 Rating, Add	*1,661.57*	
		For Class 55 Rating, Add	*2,482.17*	
		For Class 56 Rating, Add	*3,291.84*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,299.31	1,285.94
		For Class 52 Rating, Deduct	*-1,248.60*	
		For Class 54 Rating, Add	*1,726.02*	
		For Class 55 Rating, Add	*2,578.02*	
		For Class 56 Rating, Add	*3,418.66*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,734.74	1,290.10
		For Class 52 Rating, Deduct	*-1,295.81*	
		For Class 54 Rating, Add	*1,790.47*	
		For Class 55 Rating, Add	*2,673.87*	
		For Class 56 Rating, Add	*3,545.49*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,170.19	1,294.26
		For Class 52 Rating, Deduct	*-1,343.01*	
		For Class 54 Rating, Add	*1,854.91*	
		For Class 55 Rating, Add	*2,769.72*	
		For Class 56 Rating, Add	*3,672.31*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,605.65	1,298.42
		For Class 52 Rating, Deduct	*-1,390.22*	
		For Class 54 Rating, Add	*1,919.36*	
		For Class 55 Rating, Add	*2,865.57*	
		For Class 56 Rating, Add	*3,799.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,041.10	1,302.57
		For Class 52 Rating, Deduct	*-1,437.42*	
		For Class 54 Rating, Add	*1,983.81*	
		For Class 55 Rating, Add	*2,961.42*	
		For Class 56 Rating, Add	*3,925.96*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,476.54	1,306.74
		For Class 52 Rating, Deduct	*-1,484.63*	
		For Class 54 Rating, Add	*2,048.25*	
		For Class 55 Rating, Add	*3,057.27*	
		For Class 56 Rating, Add	*4,052.78*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,911.98	1,310.90
		For Class 52 Rating, Deduct	*-1,531.83*	
		For Class 54 Rating, Add	*2,112.70*	
		For Class 55 Rating, Add	*3,153.12*	
		For Class 56 Rating, Add	*4,179.61*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,347.43	1,315.06
		For Class 52 Rating, Deduct	*-1,579.04*	
		For Class 54 Rating, Add	*2,177.15*	
		For Class 55 Rating, Add	*3,248.97*	
		For Class 56 Rating, Add	*4,306.43*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,782.88	1,319.22
		For Class 52 Rating, Deduct	*-1,626.25*	
		For Class 54 Rating, Add	*2,241.59*	
		For Class 55 Rating, Add	*3,344.82*	
		For Class 56 Rating, Add	*4,433.25*	
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,218.33	1,323.38
		For Class 52 Rating, Deduct	*-1,673.45*	
		For Class 54 Rating, Add	*2,306.04*	
		For Class 55 Rating, Add	*3,440.67*	
		For Class 56 Rating, Add	*4,560.08*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,653.78	1,327.55
		For Class 52 Rating, Deduct	*-1,720.66*	
		For Class 54 Rating, Add	*2,370.49*	
		For Class 55 Rating, Add	*3,536.52*	
		For Class 56 Rating, Add	*4,686.90*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,089.22	1,331.71
		For Class 52 Rating, Deduct	*-1,767.86*	
		For Class 54 Rating, Add	*2,434.93*	
		For Class 55 Rating, Add	*3,632.37*	
		For Class 56 Rating, Add	*4,813.73*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,631.86	1,406.61
		For Class 52 Rating, Deduct	*-1,815.07*	
		For Class 54 Rating, Add	*2,500.67*	
		For Class 55 Rating, Add	*3,730.79*	
		For Class 56 Rating, Add	*4,944.41*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,067.30	1,410.78
		For Class 52 Rating, Deduct	*-1,862.27*	
		For Class 54 Rating, Add	*2,565.11*	
		For Class 55 Rating, Add	*3,826.64*	
		For Class 56 Rating, Add	*5,071.23*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,502.75	1,414.94
		For Class 52 Rating, Deduct	*-1,909.48*	
		For Class 54 Rating, Add	*2,629.56*	
		For Class 55 Rating, Add	*3,922.49*	
		For Class 56 Rating, Add	*5,198.05*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,938.20	1,419.10
		For Class 52 Rating, Deduct	*-1,956.68*	
		For Class 54 Rating, Add	*2,694.01*	
		For Class 55 Rating, Add	*4,018.34*	
		For Class 56 Rating, Add	*5,324.88*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,373.65	1,423.26
		For Class 52 Rating, Deduct	*-2,003.89*	
		For Class 54 Rating, Add	*2,758.46*	
		For Class 55 Rating, Add	*4,114.19*	
		For Class 56 Rating, Add	*5,451.70*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,809.10	1,427.43
		For Class 52 Rating, Deduct	*-2,051.10*	
		For Class 54 Rating, Add	*2,822.90*	
		For Class 55 Rating, Add	*4,210.04*	
		For Class 56 Rating, Add	*5,578.53*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,244.54	1,431.59
		For Class 52 Rating, Deduct	*-2,098.30*	
		For Class 54 Rating, Add	*2,887.35*	
		For Class 55 Rating, Add	*4,305.89*	
		For Class 56 Rating, Add	*5,705.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,679.99	1,435.75
		For Class 52 Rating, Deduct	*-2,145.51*	
		For Class 54 Rating, Add	*2,951.80*	
		For Class 55 Rating, Add	*4,401.74*	
		For Class 56 Rating, Add	*5,832.17*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,115.43	1,439.91
		For Class 52 Rating, Deduct	*-2,192.71*	
		For Class 54 Rating, Add	*3,016.24*	
		For Class 55 Rating, Add	*4,497.59*	
		For Class 56 Rating, Add	*5,959.00*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,072.61	1,714.57
		For Class 52 Rating, Deduct	*-712.22*	
		For Class 54 Rating, Add	*1,002.39*	
		For Class 55 Rating, Add	*1,506.22*	
		For Class 56 Rating, Add	*2,003.58*	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,698.79	1,718.74
		For Class 52 Rating, Deduct	*-780.41*	
		For Class 54 Rating, Add	*1,095.45*	
		For Class 55 Rating, Add	*1,644.60*	
		For Class 56 Rating, Add	*2,186.67*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,324.97	1,722.90
		For Class 52 Rating, Deduct	*-848.60*	
		For Class 54 Rating, Add	*1,188.50*	
		For Class 55 Rating, Add	*1,782.99*	
		For Class 56 Rating, Add	*2,369.76*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,951.14	1,727.06
		For Class 52 Rating, Deduct	*-916.78*	
		For Class 54 Rating, Add	*1,281.56*	
		For Class 55 Rating, Add	*1,921.37*	
		For Class 56 Rating, Add	*2,552.85*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,577.31	1,731.22
		For Class 52 Rating, Deduct	*-984.97*	
		For Class 54 Rating, Add	*1,374.61*	
		For Class 55 Rating, Add	*2,059.75*	
		For Class 56 Rating, Add	*2,735.93*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,203.49	1,735.38
		For Class 52 Rating, Deduct	*-1,053.15*	
		For Class 54 Rating, Add	*1,467.67*	
		For Class 55 Rating, Add	*2,198.13*	
		For Class 56 Rating, Add	*2,919.02*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,829.68	1,739.55
		For Class 52 Rating, Deduct	*-1,121.34*	
		For Class 54 Rating, Add	*1,560.73*	
		For Class 55 Rating, Add	*2,336.52*	
		For Class 56 Rating, Add	*3,102.11*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,455.85	1,743.71
		For Class 52 Rating, Deduct	*-1,189.53*	
		For Class 54 Rating, Add	*1,653.78*	
		For Class 55 Rating, Add	*2,474.90*	
		For Class 56 Rating, Add	*3,285.20*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,082.03	1,747.87
		For Class 52 Rating, Deduct	*-1,257.71*	
		For Class 54 Rating, Add	*1,746.84*	
		For Class 55 Rating, Add	*2,613.28*	
		For Class 56 Rating, Add	*3,468.29*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,708.20	1,752.03
		For Class 52 Rating, Deduct	*-1,325.90*	
		For Class 54 Rating, Add	*1,839.90*	
		For Class 55 Rating, Add	*2,751.67*	
		For Class 56 Rating, Add	*3,651.38*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,334.38	1,756.20
		For Class 52 Rating, Deduct	*-1,394.08*	
		For Class 54 Rating, Add	*1,932.95*	
		For Class 55 Rating, Add	*2,890.05*	
		For Class 56 Rating, Add	*3,834.47*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,960.55	1,760.36
		For Class 52 Rating, Deduct	*-1,462.27*	
		For Class 54 Rating, Add	*2,026.01*	
		For Class 55 Rating, Add	*3,028.43*	
		For Class 56 Rating, Add	*4,017.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,586.73	1,764.52
		For Class 52 Rating, Deduct	*-1,530.45*	
		For Class 54 Rating, Add	*2,119.07*	
		For Class 55 Rating, Add	*3,166.81*	
		For Class 56 Rating, Add	*4,200.65*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,212.91	1,768.68
		For Class 52 Rating, Deduct	*-1,598.64*	
		For Class 54 Rating, Add	*2,212.12*	
		For Class 55 Rating, Add	*3,305.19*	
		For Class 56 Rating, Add	*4,383.74*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,839.08	1,772.84
		For Class 52 Rating, Deduct	*-1,666.83*	
		For Class 54 Rating, Add	*2,305.18*	
		For Class 55 Rating, Add	*3,443.58*	
		For Class 56 Rating, Add	*4,566.82*	
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,465.26	1,777.01
		For Class 52 Rating, Deduct	*-1,735.01*	
		For Class 54 Rating, Add	*2,398.24*	
		For Class 55 Rating, Add	*3,581.96*	
		For Class 56 Rating, Add	*4,749.91*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,091.44	1,781.17
		For Class 52 Rating, Deduct	*-1,803.20*	
		For Class 54 Rating, Add	*2,491.29*	
		For Class 55 Rating, Add	*3,720.34*	
		For Class 56 Rating, Add	*4,933.00*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,717.62	1,785.32
		For Class 52 Rating, Deduct	*-1,871.38*	
		For Class 54 Rating, Add	*2,584.35*	
		For Class 55 Rating, Add	*3,858.73*	
		For Class 56 Rating, Add	*5,116.09*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,343.79	1,789.48
		For Class 52 Rating, Deduct	*-1,939.57*	
		For Class 54 Rating, Add	*2,677.40*	
		For Class 55 Rating, Add	*3,997.11*	
		For Class 56 Rating, Add	*5,299.18*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,969.96	1,793.64
		For Class 52 Rating, Deduct	*-2,007.76*	
		For Class 54 Rating, Add	*2,770.46*	
		For Class 55 Rating, Add	*4,135.49*	
		For Class 56 Rating, Add	*5,482.27*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,596.14	1,797.81
		For Class 52 Rating, Deduct	*-2,075.94*	
		For Class 54 Rating, Add	*2,863.52*	
		For Class 55 Rating, Add	*4,273.87*	
		For Class 56 Rating, Add	*5,665.36*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,222.32	1,801.97
		For Class 52 Rating, Deduct	*-2,144.13*	
		For Class 54 Rating, Add	*2,956.57*	
		For Class 55 Rating, Add	*4,412.26*	
		For Class 56 Rating, Add	*5,848.45*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,848.50	1,806.13
		For Class 52 Rating, Deduct	*-2,212.31*	
		For Class 54 Rating, Add	*3,049.63*	
		For Class 55 Rating, Add	*4,550.64*	
		For Class 56 Rating, Add	*6,031.54*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,474.67	1,810.29
		For Class 52 Rating, Deduct	*-2,280.50*	
		For Class 54 Rating, Add	*3,142.69*	
		For Class 55 Rating, Add	*4,689.02*	
		For Class 56 Rating, Add	*6,214.63*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,100.85	1,814.45
		For Class 52 Rating, Deduct	*-2,348.68*	
		For Class 54 Rating, Add	*3,235.74*	
		For Class 55 Rating, Add	*4,827.40*	
		For Class 56 Rating, Add	*6,397.72*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,727.03	1,818.62
		For Class 52 Rating, Deduct	*-2,416.87*	
		For Class 54 Rating, Add	*3,328.80*	
		For Class 55 Rating, Add	*4,965.79*	
		For Class 56 Rating, Add	*6,580.80*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,353.21	1,822.78
		For Class 52 Rating, Deduct	*-2,485.06*	
		For Class 54 Rating, Add	*3,421.85*	
		For Class 55 Rating, Add	*5,104.17*	
		For Class 56 Rating, Add	*6,763.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,979.38	1,826.94
		For Class 52 Rating, Deduct	*-2,553.24*	
		For Class 54 Rating, Add	*3,514.91*	
		For Class 55 Rating, Add	*5,242.55*	
		For Class 56 Rating, Add	*6,946.98*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,605.55	1,831.10
		For Class 52 Rating, Deduct	*-2,621.43*	
		For Class 54 Rating, Add	*3,607.97*	
		For Class 55 Rating, Add	*5,380.93*	
		For Class 56 Rating, Add	*7,130.07*	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,231.73	1,835.26
		For Class 52 Rating, Deduct	*-2,689.61*	
		For Class 54 Rating, Add	*3,701.02*	
		For Class 55 Rating, Add	*5,519.32*	
		For Class 56 Rating, Add	*7,313.16*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,857.91	1,839.43
		For Class 52 Rating, Deduct	*-2,757.80*	
		For Class 54 Rating, Add	*3,794.08*	
		For Class 55 Rating, Add	*5,657.70*	
		For Class 56 Rating, Add	*7,496.25*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,484.09	1,843.59
		For Class 52 Rating, Deduct	*-2,825.99*	
		For Class 54 Rating, Add	*3,887.14*	
		For Class 55 Rating, Add	*5,796.08*	
		For Class 56 Rating, Add	*7,679.34*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,110.27	1,847.75
		For Class 52 Rating, Deduct	*-2,894.17*	
		For Class 54 Rating, Add	*3,980.19*	
		For Class 55 Rating, Add	*5,934.47*	
		For Class 56 Rating, Add	*7,862.43*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,736.44	1,851.91
		For Class 52 Rating, Deduct	*-2,962.36*	
		For Class 54 Rating, Add	*4,073.25*	
		For Class 55 Rating, Add	*6,072.85*	
		For Class 56 Rating, Add	*8,045.52*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,362.62	1,856.07
		For Class 52 Rating, Deduct	*-3,030.54*	
		For Class 54 Rating, Add	*4,166.31*	
		For Class 55 Rating, Add	*6,211.23*	
		For Class 56 Rating, Add	*8,228.61*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,988.80	1,860.24
		For Class 52 Rating, Deduct	*-3,098.73*	
		For Class 54 Rating, Add	*4,259.36*	
		For Class 55 Rating, Add	*6,349.61*	
		For Class 56 Rating, Add	*8,411.69*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,614.97	1,864.40
		For Class 52 Rating, Deduct	*-3,166.91*	
		For Class 54 Rating, Add	*4,352.42*	
		For Class 55 Rating, Add	*6,488.00*	
		For Class 56 Rating, Add	*8,594.78*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,241.15	1,868.56
		For Class 52 Rating, Deduct	*-3,235.10*	
		For Class 54 Rating, Add	*4,445.47*	
		For Class 55 Rating, Add	*6,626.38*	
		For Class 56 Rating, Add	*8,777.87*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,418.86	2,172.35
		For Class 52 Rating, Deduct	*-1,004.02*	
		For Class 54 Rating, Add	*1,408.61*	
		For Class 55 Rating, Add	*2,114.41*	
		For Class 56 Rating, Add	*2,811.08*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,268.39	2,176.51
		For Class 52 Rating, Deduct	*-1,096.77*	
		For Class 54 Rating, Add	*1,535.17*	
		For Class 55 Rating, Add	*2,302.60*	
		For Class 56 Rating, Add	*3,060.06*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,117.92	2,180.67
		For Class 52 Rating, Deduct	*-1,189.53*	
		For Class 54 Rating, Add	*1,661.73*	
		For Class 55 Rating, Add	*2,490.79*	
		For Class 56 Rating, Add	*3,309.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,967.45	2,184.83
		For Class 52 Rating, Deduct	*-1,282.28*	
		For Class 54 Rating, Add	*1,788.29*	
		For Class 55 Rating, Add	*2,678.98*	
		For Class 56 Rating, Add	*3,558.01*	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,816.99	2,189.00
		For Class 52 Rating, Deduct	*-1,375.04*	
		For Class 54 Rating, Add	*1,914.85*	
		For Class 55 Rating, Add	*2,867.17*	
		For Class 56 Rating, Add	*3,806.99*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,666.51	2,193.16
		For Class 52 Rating, Deduct	*-1,467.79*	
		For Class 54 Rating, Add	*2,041.41*	
		For Class 55 Rating, Add	*3,055.36*	
		For Class 56 Rating, Add	*4,055.97*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,516.04	2,197.32
		For Class 52 Rating, Deduct	*-1,560.54*	
		For Class 54 Rating, Add	*2,167.97*	
		For Class 55 Rating, Add	*3,243.55*	
		For Class 56 Rating, Add	*4,304.95*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,365.57	2,201.48
		For Class 52 Rating, Deduct	*-1,653.30*	
		For Class 54 Rating, Add	*2,294.53*	
		For Class 55 Rating, Add	*3,431.74*	
		For Class 56 Rating, Add	*4,553.93*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,215.11	2,205.64
		For Class 52 Rating, Deduct	*-1,746.05*	
		For Class 54 Rating, Add	*2,421.09*	
		For Class 55 Rating, Add	*3,619.93*	
		For Class 56 Rating, Add	*4,802.91*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,064.64	2,209.81
		For Class 52 Rating, Deduct	*-1,838.81*	
		For Class 54 Rating, Add	*2,547.65*	
		For Class 55 Rating, Add	*3,808.12*	
		For Class 56 Rating, Add	*5,051.89*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,914.16	2,213.97
		For Class 52 Rating, Deduct	*-1,931.56*	
		For Class 54 Rating, Add	*2,674.20*	
		For Class 55 Rating, Add	*3,996.31*	
		For Class 56 Rating, Add	*5,300.86*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,763.70	2,218.13
		For Class 52 Rating, Deduct	*-2,024.32*	
		For Class 54 Rating, Add	*2,800.76*	
		For Class 55 Rating, Add	*4,184.51*	
		For Class 56 Rating, Add	*5,549.84*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,613.23	2,222.29
		For Class 52 Rating, Deduct	*-2,117.07*	
		For Class 54 Rating, Add	*2,927.32*	
		For Class 55 Rating, Add	*4,372.70*	
		For Class 56 Rating, Add	*5,798.82*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,462.77	2,226.45
		For Class 52 Rating, Deduct	*-2,209.83*	
		For Class 54 Rating, Add	*3,053.88*	
		For Class 55 Rating, Add	*4,560.89*	
		For Class 56 Rating, Add	*6,047.80*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,312.29	2,230.62
		For Class 52 Rating, Deduct	*-2,302.58*	
		For Class 54 Rating, Add	*3,180.44*	
		For Class 55 Rating, Add	*4,749.08*	
		For Class 56 Rating, Add	*6,296.78*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,161.82	2,234.78
		For Class 52 Rating, Deduct	*-2,395.34*	
		For Class 54 Rating, Add	*3,307.00*	
		For Class 55 Rating, Add	*4,937.27*	
		For Class 56 Rating, Add	*6,545.76*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,011.35	2,238.94
		For Class 52 Rating, Deduct	*-2,488.09*	
		For Class 54 Rating, Add	*3,433.56*	
		For Class 55 Rating, Add	*5,125.46*	
		For Class 56 Rating, Add	*6,794.73*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,860.89	2,243.10
		For Class 52 Rating, Deduct	*-2,580.85*	
		For Class 54 Rating, Add	*3,560.12*	
		For Class 55 Rating, Add	*5,313.65*	
		For Class 56 Rating, Add	*7,043.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,710.43	2,247.26
		For Class 52 Rating, Deduct	*-2,673.60*	
		For Class 54 Rating, Add	*3,686.68*	
		For Class 55 Rating, Add	*5,501.84*	
		For Class 56 Rating, Add	*7,292.69*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,559.94	2,251.43
		For Class 52 Rating, Deduct	*-2,766.36*	
		For Class 54 Rating, Add	*3,813.24*	
		For Class 55 Rating, Add	*5,690.03*	
		For Class 56 Rating, Add	*7,541.67*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,409.48	2,255.59
		For Class 52 Rating, Deduct	*-2,859.11*	
		For Class 54 Rating, Add	*3,939.80*	
		For Class 55 Rating, Add	*5,878.22*	
		For Class 56 Rating, Add	*7,790.65*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,259.01	2,259.75
		For Class 52 Rating, Deduct	*-2,951.87*	
		For Class 54 Rating, Add	*4,066.36*	
		For Class 55 Rating, Add	*6,066.41*	
		For Class 56 Rating, Add	*8,039.63*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,108.55	2,263.91
		For Class 52 Rating, Deduct	*-3,044.62*	
		For Class 54 Rating, Add	*4,192.92*	
		For Class 55 Rating, Add	*6,254.60*	
		For Class 56 Rating, Add	*8,288.61*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,958.07	2,268.06
		For Class 52 Rating, Deduct	*-3,137.38*	
		For Class 54 Rating, Add	*4,319.48*	
		For Class 55 Rating, Add	*6,442.79*	
		For Class 56 Rating, Add	*8,537.58*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,807.60	2,272.23
		For Class 52 Rating, Deduct	*-3,230.13*	
		For Class 54 Rating, Add	*4,446.04*	
		For Class 55 Rating, Add	*6,630.98*	
		For Class 56 Rating, Add	*8,786.56*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,657.14	2,276.39
		For Class 52 Rating, Deduct	*-3,322.89*	
		For Class 54 Rating, Add	*4,572.60*	
		For Class 55 Rating, Add	*6,819.18*	
		For Class 56 Rating, Add	*9,035.54*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,506.67	2,280.55
		For Class 52 Rating, Deduct	*-3,415.64*	
		For Class 54 Rating, Add	*4,699.16*	
		For Class 55 Rating, Add	*7,007.36*	
		For Class 56 Rating, Add	*9,284.52*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,356.20	2,284.71
		For Class 52 Rating, Deduct	*-3,508.40*	
		For Class 54 Rating, Add	*4,825.72*	
		For Class 55 Rating, Add	*7,195.56*	
		For Class 56 Rating, Add	*9,533.50*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,205.73	2,288.87
		For Class 52 Rating, Deduct	*-3,601.15*	
		For Class 54 Rating, Add	*4,952.28*	
		For Class 55 Rating, Add	*7,383.75*	
		For Class 56 Rating, Add	*9,782.48*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,055.26	2,293.04
		For Class 52 Rating, Deduct	*-3,693.91*	
		For Class 54 Rating, Add	*5,078.84*	
		For Class 55 Rating, Add	*7,571.94*	
		For Class 56 Rating, Add	*10,031.46*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,904.79	2,297.20
		For Class 52 Rating, Deduct	*-3,786.66*	
		For Class 54 Rating, Add	*5,205.39*	
		For Class 55 Rating, Add	*7,760.13*	
		For Class 56 Rating, Add	*10,280.44*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,754.32	2,301.36
		For Class 52 Rating, Deduct	*-3,879.42*	
		For Class 54 Rating, Add	*5,331.95*	
		For Class 55 Rating, Add	*7,948.32*	
		For Class 56 Rating, Add	*10,529.41*	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,603.85	2,305.52
		For Class 52 Rating, Deduct	*-3,972.17*	
		For Class 54 Rating, Add	*5,458.51*	
		For Class 55 Rating, Add	*8,136.51*	
		For Class 56 Rating, Add	*10,778.39*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023		EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,453.38	2,309.68
			For Class 52 Rating, Deduct	*-4,064.92*	
			For Class 54 Rating, Add	*5,585.07*	
			For Class 55 Rating, Add	*8,324.70*	
			For Class 56 Rating, Add	*11,027.37*	
40 05 19 00-1024		EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,302.92	2,313.85
			For Class 52 Rating, Deduct	*-4,157.68*	
			For Class 54 Rating, Add	*5,711.63*	
			For Class 55 Rating, Add	*8,512.89*	
			For Class 56 Rating, Add	*11,276.35*	
40 05 19 00-1025		EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,152.44	2,318.01
			For Class 52 Rating, Deduct	*-4,250.43*	
			For Class 54 Rating, Add	*5,838.19*	
			For Class 55 Rating, Add	*8,701.08*	
			For Class 56 Rating, Add	*11,525.33*	
40 05 19 00-1026		EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,001.98	2,322.17
			For Class 52 Rating, Deduct	*-4,343.19*	
			For Class 54 Rating, Add	*5,964.75*	
			For Class 55 Rating, Add	*8,889.27*	
			For Class 56 Rating, Add	*11,774.31*	
40 05 19 00-1027		EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,851.51	2,326.33
			For Class 52 Rating, Deduct	*-4,435.94*	
			For Class 54 Rating, Add	*6,091.31*	
			For Class 55 Rating, Add	*9,077.46*	
			For Class 56 Rating, Add	*12,023.29*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030		EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.26	203.53
			For Class 52 Rating, Deduct	*-40.03*	
			For Class 54 Rating, Add	*58.28*	
			For Class 55 Rating, Add	*88.55*	
			For Class 56 Rating, Add	*118.45*	
40 05 19 00-1031		EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	742.90	207.08
			For Class 52 Rating, Deduct	*-47.21*	
			For Class 54 Rating, Add	*68.14*	
			For Class 55 Rating, Add	*103.23*	
			For Class 56 Rating, Add	*137.89*	
40 05 19 00-1032		EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.54	210.65
			For Class 52 Rating, Deduct	*-54.38*	
			For Class 54 Rating, Add	*77.99*	
			For Class 55 Rating, Add	*117.91*	
			For Class 56 Rating, Add	*157.33*	
40 05 19 00-1033		EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	884.18	214.19
			For Class 52 Rating, Deduct	*-61.56*	
			For Class 54 Rating, Add	*87.84*	
			For Class 55 Rating, Add	*132.59*	
			For Class 56 Rating, Add	*176.78*	
40 05 19 00-1034		EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	954.82	217.76
			For Class 52 Rating, Deduct	*-68.74*	
			For Class 54 Rating, Add	*97.69*	
			For Class 55 Rating, Add	*147.27*	
			For Class 56 Rating, Add	*196.22*	
40 05 19 00-1035		EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,025.47	221.33
			For Class 52 Rating, Deduct	*-75.92*	
			For Class 54 Rating, Add	*107.54*	
			For Class 55 Rating, Add	*161.95*	
			For Class 56 Rating, Add	*215.66*	
40 05 19 00-1036		EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.10	224.88
			For Class 52 Rating, Deduct	*-83.09*	
			For Class 54 Rating, Add	*117.40*	
			For Class 55 Rating, Add	*176.63*	
			For Class 56 Rating, Add	*235.11*	
40 05 19 00-1037		EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.74	228.43
			For Class 52 Rating, Deduct	*-90.27*	
			For Class 54 Rating, Add	*127.25*	
			For Class 55 Rating, Add	*191.31*	
			For Class 56 Rating, Add	*254.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,237.39	231.99
		For Class 52 Rating, Deduct	*-97.45*	
		For Class 54 Rating, Add	*137.10*	
		For Class 55 Rating, Add	*205.99*	
		For Class 56 Rating, Add	*273.99*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.03	235.56
		For Class 52 Rating, Deduct	*-104.63*	
		For Class 54 Rating, Add	*146.95*	
		For Class 55 Rating, Add	*220.67*	
		For Class 56 Rating, Add	*293.43*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,378.67	239.10
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*156.81*	
		For Class 55 Rating, Add	*235.35*	
		For Class 56 Rating, Add	*312.88*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.31	242.67
		For Class 52 Rating, Deduct	*-118.98*	
		For Class 54 Rating, Add	*166.66*	
		For Class 55 Rating, Add	*250.03*	
		For Class 56 Rating, Add	*332.32*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.95	246.22
		For Class 52 Rating, Deduct	*-126.16*	
		For Class 54 Rating, Add	*176.51*	
		For Class 55 Rating, Add	*264.71*	
		For Class 56 Rating, Add	*351.76*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,590.59	249.79
		For Class 52 Rating, Deduct	*-133.34*	
		For Class 54 Rating, Add	*186.36*	
		For Class 55 Rating, Add	*279.39*	
		For Class 56 Rating, Add	*371.21*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.23	253.33
		For Class 52 Rating, Deduct	*-140.51*	
		For Class 54 Rating, Add	*196.21*	
		For Class 55 Rating, Add	*294.07*	
		For Class 56 Rating, Add	*390.65*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,731.88	256.90
		For Class 52 Rating, Deduct	*-147.69*	
		For Class 54 Rating, Add	*206.07*	
		For Class 55 Rating, Add	*308.75*	
		For Class 56 Rating, Add	*410.09*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.52	260.46
		For Class 52 Rating, Deduct	*-154.87*	
		For Class 54 Rating, Add	*215.92*	
		For Class 55 Rating, Add	*323.43*	
		For Class 56 Rating, Add	*429.53*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,873.15	264.01
		For Class 52 Rating, Deduct	*-162.05*	
		For Class 54 Rating, Add	*225.77*	
		For Class 55 Rating, Add	*338.11*	
		For Class 56 Rating, Add	*448.98*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.79	267.57
		For Class 52 Rating, Deduct	*-169.22*	
		For Class 54 Rating, Add	*235.62*	
		For Class 55 Rating, Add	*352.79*	
		For Class 56 Rating, Add	*468.42*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,014.43	271.13
		For Class 52 Rating, Deduct	*-176.40*	
		For Class 54 Rating, Add	*245.47*	
		For Class 55 Rating, Add	*367.47*	
		For Class 56 Rating, Add	*487.86*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,085.08	274.70
		For Class 52 Rating, Deduct	*-183.58*	
		For Class 54 Rating, Add	*255.33*	
		For Class 55 Rating, Add	*382.15*	
		For Class 56 Rating, Add	*507.30*	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.71	278.24
		For Class 52 Rating, Deduct	*-190.75*	
		For Class 54 Rating, Add	*265.18*	
		For Class 55 Rating, Add	*396.83*	
		For Class 56 Rating, Add	*526.75*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,226.35	281.81
		For Class 52 Rating, Deduct	*-197.93*	
		For Class 54 Rating, Add	*275.03*	
		For Class 55 Rating, Add	*411.51*	
		For Class 56 Rating, Add	*546.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.00	285.37
		For Class 52 Rating, Deduct	*-205.11*	
		For Class 54 Rating, Add	*284.88*	
		For Class 55 Rating, Add	*426.19*	
		For Class 56 Rating, Add	*565.63*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,367.63	288.92
		For Class 52 Rating, Deduct	*-212.29*	
		For Class 54 Rating, Add	*294.74*	
		For Class 55 Rating, Add	*440.87*	
		For Class 56 Rating, Add	*585.07*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,438.28	292.48
		For Class 52 Rating, Deduct	*-219.46*	
		For Class 54 Rating, Add	*304.59*	
		For Class 55 Rating, Add	*455.55*	
		For Class 56 Rating, Add	*604.52*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,508.92	296.04
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*314.44*	
		For Class 55 Rating, Add	*470.23*	
		For Class 56 Rating, Add	*623.96*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,579.56	299.60
		For Class 52 Rating, Deduct	*-233.82*	
		For Class 54 Rating, Add	*324.29*	
		For Class 55 Rating, Add	*484.91*	
		For Class 56 Rating, Add	*643.40*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.20	303.15
		For Class 52 Rating, Deduct	*-241.00*	
		For Class 54 Rating, Add	*334.14*	
		For Class 55 Rating, Add	*499.59*	
		For Class 56 Rating, Add	*662.85*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,720.84	306.71
		For Class 52 Rating, Deduct	*-248.17*	
		For Class 54 Rating, Add	*344.00*	
		For Class 55 Rating, Add	*514.27*	
		For Class 56 Rating, Add	*682.29*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,791.49	310.28
		For Class 52 Rating, Deduct	*-255.35*	
		For Class 54 Rating, Add	*353.85*	
		For Class 55 Rating, Add	*528.95*	
		For Class 56 Rating, Add	*701.73*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,862.12	313.83
		For Class 52 Rating, Deduct	*-262.53*	
		For Class 54 Rating, Add	*363.70*	
		For Class 55 Rating, Add	*543.63*	
		For Class 56 Rating, Add	*721.17*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,932.76	317.39
		For Class 52 Rating, Deduct	*-269.71*	
		For Class 54 Rating, Add	*373.55*	
		For Class 55 Rating, Add	*558.31*	
		For Class 56 Rating, Add	*740.62*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.41	320.95
		For Class 52 Rating, Deduct	*-276.88*	
		For Class 54 Rating, Add	*383.40*	
		For Class 55 Rating, Add	*572.99*	
		For Class 56 Rating, Add	*760.06*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,074.05	324.51
		For Class 52 Rating, Deduct	*-284.06*	
		For Class 54 Rating, Add	*393.26*	
		For Class 55 Rating, Add	*587.67*	
		For Class 56 Rating, Add	*779.50*	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,144.69	328.06
		For Class 52 Rating, Deduct	*-291.24*	
		For Class 54 Rating, Add	*403.11*	
		For Class 55 Rating, Add	*602.35*	
		For Class 56 Rating, Add	*798.95*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,215.33	331.62
		For Class 52 Rating, Deduct	*-298.42*	
		For Class 54 Rating, Add	*412.96*	
		For Class 55 Rating, Add	*617.03*	
		For Class 56 Rating, Add	*818.39*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,285.97	335.19
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*422.81*	
		For Class 55 Rating, Add	*631.71*	
		For Class 56 Rating, Add	*837.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,356.61	338.74
		For Class 52 Rating, Deduct	*-312.77*	
		For Class 54 Rating, Add	*432.67*	
		For Class 55 Rating, Add	*646.39*	
		For Class 56 Rating, Add	*857.27*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	842.41	256.19
		For Class 52 Rating, Deduct	*-49.97*	
		For Class 54 Rating, Add	*72.79*	
		For Class 55 Rating, Add	*110.61*	
		For Class 56 Rating, Add	*147.97*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.09	259.75
		For Class 52 Rating, Deduct	*-58.80*	
		For Class 54 Rating, Add	*84.90*	
		For Class 55 Rating, Add	*128.65*	
		For Class 56 Rating, Add	*171.86*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.80	263.30
		For Class 52 Rating, Deduct	*-67.63*	
		For Class 54 Rating, Add	*97.01*	
		For Class 55 Rating, Add	*146.69*	
		For Class 56 Rating, Add	*195.74*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.50	266.86
		For Class 52 Rating, Deduct	*-76.47*	
		For Class 54 Rating, Add	*109.13*	
		For Class 55 Rating, Add	*164.72*	
		For Class 56 Rating, Add	*219.63*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,185.19	270.43
		For Class 52 Rating, Deduct	*-85.30*	
		For Class 54 Rating, Add	*121.24*	
		For Class 55 Rating, Add	*182.76*	
		For Class 56 Rating, Add	*243.51*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.89	273.97
		For Class 52 Rating, Deduct	*-94.13*	
		For Class 54 Rating, Add	*133.35*	
		For Class 55 Rating, Add	*200.80*	
		For Class 56 Rating, Add	*267.40*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.59	277.54
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*145.46*	
		For Class 55 Rating, Add	*218.84*	
		For Class 56 Rating, Add	*291.28*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,442.29	281.10
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*157.57*	
		For Class 55 Rating, Add	*236.88*	
		For Class 56 Rating, Add	*315.17*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,527.99	284.66
		For Class 52 Rating, Deduct	*-120.64*	
		For Class 54 Rating, Add	*169.68*	
		For Class 55 Rating, Add	*254.92*	
		For Class 56 Rating, Add	*339.05*	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.68	288.20
		For Class 52 Rating, Deduct	*-129.47*	
		For Class 54 Rating, Add	*181.79*	
		For Class 55 Rating, Add	*272.95*	
		For Class 56 Rating, Add	*362.94*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,699.39	291.77
		For Class 52 Rating, Deduct	*-138.30*	
		For Class 54 Rating, Add	*193.90*	
		For Class 55 Rating, Add	*290.99*	
		For Class 56 Rating, Add	*386.82*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,785.09	295.33
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*206.01*	
		For Class 55 Rating, Add	*309.03*	
		For Class 56 Rating, Add	*410.71*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,870.77	298.88
		For Class 52 Rating, Deduct	*-155.97*	
		For Class 54 Rating, Add	*218.12*	
		For Class 55 Rating, Add	*327.06*	
		For Class 56 Rating, Add	*434.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,956.48	302.44
		For Class 52 Rating, Deduct	*-164.81*	
		For Class 54 Rating, Add	*230.23*	
		For Class 55 Rating, Add	*345.10*	
		For Class 56 Rating, Add	*458.47*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,042.18	306.00
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*242.34*	
		For Class 55 Rating, Add	*363.14*	
		For Class 56 Rating, Add	*482.36*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,127.88	309.56
		For Class 52 Rating, Deduct	*-182.47*	
		For Class 54 Rating, Add	*254.46*	
		For Class 55 Rating, Add	*381.18*	
		For Class 56 Rating, Add	*506.25*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.57	313.11
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*266.57*	
		For Class 55 Rating, Add	*399.22*	
		For Class 56 Rating, Add	*530.13*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.27	316.67
		For Class 52 Rating, Deduct	*-200.14*	
		For Class 54 Rating, Add	*278.68*	
		For Class 55 Rating, Add	*417.26*	
		For Class 56 Rating, Add	*554.01*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,384.98	320.24
		For Class 52 Rating, Deduct	*-208.97*	
		For Class 54 Rating, Add	*290.79*	
		For Class 55 Rating, Add	*435.29*	
		For Class 56 Rating, Add	*577.90*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,470.66	323.80
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*302.90*	
		For Class 55 Rating, Add	*453.33*	
		For Class 56 Rating, Add	*601.78*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.37	327.35
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*315.01*	
		For Class 55 Rating, Add	*471.37*	
		For Class 56 Rating, Add	*625.67*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.07	330.91
		For Class 52 Rating, Deduct	*-235.48*	
		For Class 54 Rating, Add	*327.12*	
		For Class 55 Rating, Add	*489.41*	
		For Class 56 Rating, Add	*649.55*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,727.76	334.47
		For Class 52 Rating, Deduct	*-244.31*	
		For Class 54 Rating, Add	*339.23*	
		For Class 55 Rating, Add	*507.45*	
		For Class 56 Rating, Add	*673.44*	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.46	338.02
		For Class 52 Rating, Deduct	*-253.14*	
		For Class 54 Rating, Add	*351.34*	
		For Class 55 Rating, Add	*525.48*	
		For Class 56 Rating, Add	*697.32*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,899.16	341.58
		For Class 52 Rating, Deduct	*-261.98*	
		For Class 54 Rating, Add	*363.45*	
		For Class 55 Rating, Add	*543.52*	
		For Class 56 Rating, Add	*721.21*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,984.87	345.15
		For Class 52 Rating, Deduct	*-270.81*	
		For Class 54 Rating, Add	*375.56*	
		For Class 55 Rating, Add	*561.56*	
		For Class 56 Rating, Add	*745.09*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.55	348.70
		For Class 52 Rating, Deduct	*-279.64*	
		For Class 54 Rating, Add	*387.67*	
		For Class 55 Rating, Add	*579.59*	
		For Class 56 Rating, Add	*768.97*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.25	352.26
		For Class 52 Rating, Deduct	*-288.48*	
		For Class 54 Rating, Add	*399.78*	
		For Class 55 Rating, Add	*597.63*	
		For Class 56 Rating, Add	*792.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,241.96	355.81
		For Class 52 Rating, Deduct	*-297.31*	
		For Class 54 Rating, Add	*411.90*	
		For Class 55 Rating, Add	*615.67*	
		For Class 56 Rating, Add	*816.75*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.65	359.38
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*424.01*	
		For Class 55 Rating, Add	*633.71*	
		For Class 56 Rating, Add	*840.63*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,413.35	362.92
		For Class 52 Rating, Deduct	*-314.98*	
		For Class 54 Rating, Add	*436.12*	
		For Class 55 Rating, Add	*651.75*	
		For Class 56 Rating, Add	*864.51*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,499.05	366.49
		For Class 52 Rating, Deduct	*-323.81*	
		For Class 54 Rating, Add	*448.23*	
		For Class 55 Rating, Add	*669.79*	
		For Class 56 Rating, Add	*888.40*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,584.75	370.05
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*460.34*	
		For Class 55 Rating, Add	*687.82*	
		For Class 56 Rating, Add	*912.29*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.45	373.61
		For Class 52 Rating, Deduct	*-341.48*	
		For Class 54 Rating, Add	*472.45*	
		For Class 55 Rating, Add	*705.86*	
		For Class 56 Rating, Add	*936.17*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,756.14	377.16
		For Class 52 Rating, Deduct	*-350.31*	
		For Class 54 Rating, Add	*484.56*	
		For Class 55 Rating, Add	*723.90*	
		For Class 56 Rating, Add	*960.05*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,841.85	380.72
		For Class 52 Rating, Deduct	*-359.15*	
		For Class 54 Rating, Add	*496.67*	
		For Class 55 Rating, Add	*741.94*	
		For Class 56 Rating, Add	*983.94*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,927.54	384.29
		For Class 52 Rating, Deduct	*-367.98*	
		For Class 54 Rating, Add	*508.78*	
		For Class 55 Rating, Add	*759.98*	
		For Class 56 Rating, Add	*1,007.82*	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,013.23	387.83
		For Class 52 Rating, Deduct	*-376.82*	
		For Class 54 Rating, Add	*520.89*	
		For Class 55 Rating, Add	*778.01*	
		For Class 56 Rating, Add	*1,031.71*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,098.94	391.40
		For Class 52 Rating, Deduct	*-385.65*	
		For Class 54 Rating, Add	*533.00*	
		For Class 55 Rating, Add	*796.05*	
		For Class 56 Rating, Add	*1,055.59*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,156.01	327.35
		For Class 52 Rating, Deduct	*-72.60*	
		For Class 54 Rating, Add	*104.95*	
		For Class 55 Rating, Add	*159.09*	
		For Class 56 Rating, Add	*212.56*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.83	330.91
		For Class 52 Rating, Deduct	*-84.75*	
		For Class 54 Rating, Add	*121.58*	
		For Class 55 Rating, Add	*183.84*	
		For Class 56 Rating, Add	*245.33*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.63	334.47
		For Class 52 Rating, Deduct	*-96.90*	
		For Class 54 Rating, Add	*138.21*	
		For Class 55 Rating, Add	*208.60*	
		For Class 56 Rating, Add	*278.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.45	338.02
		For Class 52 Rating, Deduct	*-109.04*	
		For Class 54 Rating, Add	*154.84*	
		For Class 55 Rating, Add	*233.35*	
		For Class 56 Rating, Add	*310.87*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,619.26	341.58
		For Class 52 Rating, Deduct	*-121.19*	
		For Class 54 Rating, Add	*171.47*	
		For Class 55 Rating, Add	*258.10*	
		For Class 56 Rating, Add	*343.64*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,735.09	345.15
		For Class 52 Rating, Deduct	*-133.34*	
		For Class 54 Rating, Add	*188.10*	
		For Class 55 Rating, Add	*282.86*	
		For Class 56 Rating, Add	*376.41*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.89	348.70
		For Class 52 Rating, Deduct	*-145.48*	
		For Class 54 Rating, Add	*204.72*	
		For Class 55 Rating, Add	*307.61*	
		For Class 56 Rating, Add	*409.18*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,966.70	352.26
		For Class 52 Rating, Deduct	*-157.63*	
		For Class 54 Rating, Add	*221.35*	
		For Class 55 Rating, Add	*332.36*	
		For Class 56 Rating, Add	*441.94*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,082.52	355.81
		For Class 52 Rating, Deduct	*-169.77*	
		For Class 54 Rating, Add	*237.98*	
		For Class 55 Rating, Add	*357.12*	
		For Class 56 Rating, Add	*474.71*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,198.33	359.38
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*254.61*	
		For Class 55 Rating, Add	*381.87*	
		For Class 56 Rating, Add	*507.48*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,314.15	362.92
		For Class 52 Rating, Deduct	*-194.07*	
		For Class 54 Rating, Add	*271.24*	
		For Class 55 Rating, Add	*406.63*	
		For Class 56 Rating, Add	*540.25*	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,429.96	366.49
		For Class 52 Rating, Deduct	*-206.21*	
		For Class 54 Rating, Add	*287.86*	
		For Class 55 Rating, Add	*431.38*	
		For Class 56 Rating, Add	*573.02*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,545.77	370.05
		For Class 52 Rating, Deduct	*-218.36*	
		For Class 54 Rating, Add	*304.49*	
		For Class 55 Rating, Add	*456.13*	
		For Class 56 Rating, Add	*605.79*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,661.59	373.61
		For Class 52 Rating, Deduct	*-230.51*	
		For Class 54 Rating, Add	*321.12*	
		For Class 55 Rating, Add	*480.89*	
		For Class 56 Rating, Add	*638.56*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,777.40	377.16
		For Class 52 Rating, Deduct	*-242.65*	
		For Class 54 Rating, Add	*337.75*	
		For Class 55 Rating, Add	*505.64*	
		For Class 56 Rating, Add	*671.32*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,893.22	380.72
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*354.38*	
		For Class 55 Rating, Add	*530.39*	
		For Class 56 Rating, Add	*704.09*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,009.02	384.29
		For Class 52 Rating, Deduct	*-266.95*	
		For Class 54 Rating, Add	*371.00*	
		For Class 55 Rating, Add	*555.15*	
		For Class 56 Rating, Add	*736.86*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.84	387.83
		For Class 52 Rating, Deduct	*-279.09*	
		For Class 54 Rating, Add	*387.63*	
		For Class 55 Rating, Add	*579.90*	
		For Class 56 Rating, Add	*769.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,240.66	391.40
		For Class 52 Rating, Deduct	*-291.24*	
		For Class 54 Rating, Add	*404.26*	
		For Class 55 Rating, Add	*604.65*	
		For Class 56 Rating, Add	*802.40*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,356.47	394.96
		For Class 52 Rating, Deduct	*-303.39*	
		For Class 54 Rating, Add	*420.89*	
		For Class 55 Rating, Add	*629.41*	
		For Class 56 Rating, Add	*835.17*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.28	398.52
		For Class 52 Rating, Deduct	*-315.53*	
		For Class 54 Rating, Add	*437.52*	
		For Class 55 Rating, Add	*654.16*	
		For Class 56 Rating, Add	*867.94*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.10	402.06
		For Class 52 Rating, Deduct	*-327.68*	
		For Class 54 Rating, Add	*454.15*	
		For Class 55 Rating, Add	*678.92*	
		For Class 56 Rating, Add	*900.71*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.91	405.63
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*470.77*	
		For Class 55 Rating, Add	*703.67*	
		For Class 56 Rating, Add	*933.47*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,819.72	409.19
		For Class 52 Rating, Deduct	*-351.97*	
		For Class 54 Rating, Add	*487.40*	
		For Class 55 Rating, Add	*728.42*	
		For Class 56 Rating, Add	*966.24*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,935.53	412.76
		For Class 52 Rating, Deduct	*-364.12*	
		For Class 54 Rating, Add	*504.03*	
		For Class 55 Rating, Add	*753.17*	
		For Class 56 Rating, Add	*999.01*	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,051.35	416.30
		For Class 52 Rating, Deduct	*-376.26*	
		For Class 54 Rating, Add	*520.66*	
		For Class 55 Rating, Add	*777.93*	
		For Class 56 Rating, Add	*1,031.78*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,167.17	419.86
		For Class 52 Rating, Deduct	*-388.41*	
		For Class 54 Rating, Add	*537.29*	
		For Class 55 Rating, Add	*802.68*	
		For Class 56 Rating, Add	*1,064.55*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,282.97	423.42
		For Class 52 Rating, Deduct	*-400.56*	
		For Class 54 Rating, Add	*553.91*	
		For Class 55 Rating, Add	*827.44*	
		For Class 56 Rating, Add	*1,097.32*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,398.79	426.97
		For Class 52 Rating, Deduct	*-412.70*	
		For Class 54 Rating, Add	*570.54*	
		For Class 55 Rating, Add	*852.19*	
		For Class 56 Rating, Add	*1,130.09*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,514.60	430.54
		For Class 52 Rating, Deduct	*-424.85*	
		For Class 54 Rating, Add	*587.17*	
		For Class 55 Rating, Add	*876.94*	
		For Class 56 Rating, Add	*1,162.85*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,630.42	434.10
		For Class 52 Rating, Deduct	*-437.00*	
		For Class 54 Rating, Add	*603.80*	
		For Class 55 Rating, Add	*901.70*	
		For Class 56 Rating, Add	*1,195.62*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,746.23	437.66
		For Class 52 Rating, Deduct	*-449.14*	
		For Class 54 Rating, Add	*620.43*	
		For Class 55 Rating, Add	*926.45*	
		For Class 56 Rating, Add	*1,228.39*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,862.04	441.21
		For Class 52 Rating, Deduct	*-461.29*	
		For Class 54 Rating, Add	*637.05*	
		For Class 55 Rating, Add	*951.20*	
		For Class 56 Rating, Add	*1,261.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,977.86	444.77
		For Class 52 Rating, Deduct	*-473.44*	
		For Class 54 Rating, Add	*653.68*	
		For Class 55 Rating, Add	*975.96*	
		For Class 56 Rating, Add	*1,293.93*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,093.67	448.33
		For Class 52 Rating, Deduct	*-485.58*	
		For Class 54 Rating, Add	*670.31*	
		For Class 55 Rating, Add	*1,000.71*	
		For Class 56 Rating, Add	*1,326.70*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,209.49	451.88
		For Class 52 Rating, Deduct	*-497.73*	
		For Class 54 Rating, Add	*686.94*	
		For Class 55 Rating, Add	*1,025.46*	
		For Class 56 Rating, Add	*1,359.47*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,325.30	455.44
		For Class 52 Rating, Deduct	*-509.88*	
		For Class 54 Rating, Add	*703.57*	
		For Class 55 Rating, Add	*1,050.22*	
		For Class 56 Rating, Add	*1,392.24*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,441.11	459.01
		For Class 52 Rating, Deduct	*-522.02*	
		For Class 54 Rating, Add	*720.19*	
		For Class 55 Rating, Add	*1,074.97*	
		For Class 56 Rating, Add	*1,425.00*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,556.93	462.56
		For Class 52 Rating, Deduct	*-534.17*	
		For Class 54 Rating, Add	*736.82*	
		For Class 55 Rating, Add	*1,099.73*	
		For Class 56 Rating, Add	*1,457.77*	

40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,454.56	398.52
		For Class 52 Rating, Deduct	*-93.58*	
		For Class 54 Rating, Add	*134.86*	
		For Class 55 Rating, Add	*204.21*	
		For Class 56 Rating, Add	*272.71*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.51	402.06
		For Class 52 Rating, Deduct	*-109.59*	
		For Class 54 Rating, Add	*156.76*	
		For Class 55 Rating, Add	*236.80*	
		For Class 56 Rating, Add	*315.84*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.46	405.63
		For Class 52 Rating, Deduct	*-125.61*	
		For Class 54 Rating, Add	*178.66*	
		For Class 55 Rating, Add	*269.39*	
		For Class 56 Rating, Add	*358.98*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,907.40	409.19
		For Class 52 Rating, Deduct	*-141.62*	
		For Class 54 Rating, Add	*200.55*	
		For Class 55 Rating, Add	*301.97*	
		For Class 56 Rating, Add	*402.11*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,058.35	412.76
		For Class 52 Rating, Deduct	*-157.63*	
		For Class 54 Rating, Add	*222.45*	
		For Class 55 Rating, Add	*334.56*	
		For Class 56 Rating, Add	*445.24*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,209.31	416.30
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*244.35*	
		For Class 55 Rating, Add	*367.15*	
		For Class 56 Rating, Add	*488.38*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,360.26	419.86
		For Class 52 Rating, Deduct	*-189.65*	
		For Class 54 Rating, Add	*266.25*	
		For Class 55 Rating, Add	*399.74*	
		For Class 56 Rating, Add	*531.51*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,511.19	423.42
		For Class 52 Rating, Deduct	*-205.66*	
		For Class 54 Rating, Add	*288.15*	
		For Class 55 Rating, Add	*432.33*	
		For Class 56 Rating, Add	*574.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,662.15	426.97
		For Class 52 Rating, Deduct	*-221.67*	
		For Class 54 Rating, Add	*310.04*	
		For Class 55 Rating, Add	*464.92*	
		For Class 56 Rating, Add	*617.78*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.10	430.54
		For Class 52 Rating, Deduct	*-237.68*	
		For Class 54 Rating, Add	*331.94*	
		For Class 55 Rating, Add	*497.51*	
		For Class 56 Rating, Add	*660.91*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,964.04	434.10
		For Class 52 Rating, Deduct	*-253.70*	
		For Class 54 Rating, Add	*353.84*	
		For Class 55 Rating, Add	*530.09*	
		For Class 56 Rating, Add	*704.04*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,114.99	437.66
		For Class 52 Rating, Deduct	*-269.71*	
		For Class 54 Rating, Add	*375.74*	
		For Class 55 Rating, Add	*562.68*	
		For Class 56 Rating, Add	*747.18*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.94	441.21
		For Class 52 Rating, Deduct	*-285.72*	
		For Class 54 Rating, Add	*397.64*	
		For Class 55 Rating, Add	*595.27*	
		For Class 56 Rating, Add	*790.31*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,416.89	444.77
		For Class 52 Rating, Deduct	*-301.73*	
		For Class 54 Rating, Add	*419.54*	
		For Class 55 Rating, Add	*627.86*	
		For Class 56 Rating, Add	*833.44*	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,567.83	448.33
		For Class 52 Rating, Deduct	*-317.74*	
		For Class 54 Rating, Add	*441.43*	
		For Class 55 Rating, Add	*660.45*	
		For Class 56 Rating, Add	*876.58*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,718.79	451.88
		For Class 52 Rating, Deduct	*-333.75*	
		For Class 54 Rating, Add	*463.33*	
		For Class 55 Rating, Add	*693.04*	
		For Class 56 Rating, Add	*919.71*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,869.73	455.44
		For Class 52 Rating, Deduct	*-349.76*	
		For Class 54 Rating, Add	*485.23*	
		For Class 55 Rating, Add	*725.63*	
		For Class 56 Rating, Add	*962.84*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,020.68	459.01
		For Class 52 Rating, Deduct	*-365.77*	
		For Class 54 Rating, Add	*507.13*	
		For Class 55 Rating, Add	*758.22*	
		For Class 56 Rating, Add	*1,005.98*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,171.63	462.56
		For Class 52 Rating, Deduct	*-381.79*	
		For Class 54 Rating, Add	*529.03*	
		For Class 55 Rating, Add	*790.80*	
		For Class 56 Rating, Add	*1,049.11*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,322.57	466.12
		For Class 52 Rating, Deduct	*-397.80*	
		For Class 54 Rating, Add	*550.92*	
		For Class 55 Rating, Add	*823.39*	
		For Class 56 Rating, Add	*1,092.24*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,473.53	469.67
		For Class 52 Rating, Deduct	*-413.81*	
		For Class 54 Rating, Add	*572.82*	
		For Class 55 Rating, Add	*855.98*	
		For Class 56 Rating, Add	*1,135.38*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,624.47	473.24
		For Class 52 Rating, Deduct	*-429.82*	
		For Class 54 Rating, Add	*594.72*	
		For Class 55 Rating, Add	*888.57*	
		For Class 56 Rating, Add	*1,178.51*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,775.41	476.78
		For Class 52 Rating, Deduct	*-445.83*	
		For Class 54 Rating, Add	*616.62*	
		For Class 55 Rating, Add	*921.16*	
		For Class 56 Rating, Add	*1,221.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,926.37	480.35
		For Class 52 Rating, Deduct	*-461.84*	
		For Class 54 Rating, Add	*638.52*	
		For Class 55 Rating, Add	*953.75*	
		For Class 56 Rating, Add	*1,264.78*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,077.32	483.92
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*660.42*	
		For Class 55 Rating, Add	*986.34*	
		For Class 56 Rating, Add	*1,307.91*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.26	487.47
		For Class 52 Rating, Deduct	*-493.86*	
		For Class 54 Rating, Add	*682.31*	
		For Class 55 Rating, Add	*1,018.92*	
		For Class 56 Rating, Add	*1,351.04*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,379.21	491.03
		For Class 52 Rating, Deduct	*-509.88*	
		For Class 54 Rating, Add	*704.21*	
		For Class 55 Rating, Add	*1,051.51*	
		For Class 56 Rating, Add	*1,394.18*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,530.16	494.58
		For Class 52 Rating, Deduct	*-525.89*	
		For Class 54 Rating, Add	*726.11*	
		For Class 55 Rating, Add	*1,084.10*	
		For Class 56 Rating, Add	*1,437.31*	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,681.10	498.15
		For Class 52 Rating, Deduct	*-541.90*	
		For Class 54 Rating, Add	*748.01*	
		For Class 55 Rating, Add	*1,116.69*	
		For Class 56 Rating, Add	*1,480.44*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,832.05	501.71
		For Class 52 Rating, Deduct	*-557.91*	
		For Class 54 Rating, Add	*769.91*	
		For Class 55 Rating, Add	*1,149.28*	
		For Class 56 Rating, Add	*1,523.58*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,983.01	505.26
		For Class 52 Rating, Deduct	*-573.92*	
		For Class 54 Rating, Add	*791.81*	
		For Class 55 Rating, Add	*1,181.87*	
		For Class 56 Rating, Add	*1,566.71*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,133.96	508.82
		For Class 52 Rating, Deduct	*-589.93*	
		For Class 54 Rating, Add	*813.70*	
		For Class 55 Rating, Add	*1,214.46*	
		For Class 56 Rating, Add	*1,609.84*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,284.89	512.38
		For Class 52 Rating, Deduct	*-605.94*	
		For Class 54 Rating, Add	*835.60*	
		For Class 55 Rating, Add	*1,247.04*	
		For Class 56 Rating, Add	*1,652.98*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,435.85	515.92
		For Class 52 Rating, Deduct	*-621.95*	
		For Class 54 Rating, Add	*857.50*	
		For Class 55 Rating, Add	*1,279.63*	
		For Class 56 Rating, Add	*1,696.11*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,586.80	519.49
		For Class 52 Rating, Deduct	*-637.97*	
		For Class 54 Rating, Add	*879.40*	
		For Class 55 Rating, Add	*1,312.22*	
		For Class 56 Rating, Add	*1,739.24*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,737.74	523.05
		For Class 52 Rating, Deduct	*-653.98*	
		For Class 54 Rating, Add	*901.30*	
		For Class 55 Rating, Add	*1,344.81*	
		For Class 56 Rating, Add	*1,782.38*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,888.69	526.62
		For Class 52 Rating, Deduct	*-669.99*	
		For Class 54 Rating, Add	*923.19*	
		For Class 55 Rating, Add	*1,377.40*	
		For Class 56 Rating, Add	*1,825.51*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,039.64	530.16
		For Class 52 Rating, Deduct	*-686.00*	
		For Class 54 Rating, Add	*945.09*	
		For Class 55 Rating, Add	*1,409.99*	
		For Class 56 Rating, Add	*1,868.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,190.59	533.72
		For Class 52 Rating, Deduct	*-702.01*	
		For Class 54 Rating, Add	*966.99*	
		For Class 55 Rating, Add	*1,442.57*	
		For Class 56 Rating, Add	*1,911.78*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,889.10	498.15
		For Class 52 Rating, Deduct	*-124.78*	
		For Class 54 Rating, Add	*179.21*	
		For Class 55 Rating, Add	*271.07*	
		For Class 56 Rating, Add	*361.80*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.69	501.71
		For Class 52 Rating, Deduct	*-144.93*	
		For Class 54 Rating, Add	*206.75*	
		For Class 55 Rating, Add	*312.06*	
		For Class 56 Rating, Add	*416.04*	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,266.29	505.26
		For Class 52 Rating, Deduct	*-165.08*	
		For Class 54 Rating, Add	*234.30*	
		For Class 55 Rating, Add	*353.04*	
		For Class 56 Rating, Add	*470.28*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.88	508.82
		For Class 52 Rating, Deduct	*-185.23*	
		For Class 54 Rating, Add	*261.84*	
		For Class 55 Rating, Add	*394.02*	
		For Class 56 Rating, Add	*524.52*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,643.46	512.38
		For Class 52 Rating, Deduct	*-205.39*	
		For Class 54 Rating, Add	*289.39*	
		For Class 55 Rating, Add	*435.00*	
		For Class 56 Rating, Add	*578.75*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,832.06	515.92
		For Class 52 Rating, Deduct	*-225.54*	
		For Class 54 Rating, Add	*316.93*	
		For Class 55 Rating, Add	*475.99*	
		For Class 56 Rating, Add	*632.99*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,020.65	519.49
		For Class 52 Rating, Deduct	*-245.69*	
		For Class 54 Rating, Add	*344.48*	
		For Class 55 Rating, Add	*516.97*	
		For Class 56 Rating, Add	*687.23*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,209.24	523.05
		For Class 52 Rating, Deduct	*-265.84*	
		For Class 54 Rating, Add	*372.02*	
		For Class 55 Rating, Add	*557.95*	
		For Class 56 Rating, Add	*741.47*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,397.84	526.62
		For Class 52 Rating, Deduct	*-285.99*	
		For Class 54 Rating, Add	*399.57*	
		For Class 55 Rating, Add	*598.94*	
		For Class 56 Rating, Add	*795.71*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,586.43	530.16
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*427.11*	
		For Class 55 Rating, Add	*639.92*	
		For Class 56 Rating, Add	*849.95*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.03	533.72
		For Class 52 Rating, Deduct	*-326.30*	
		For Class 54 Rating, Add	*454.66*	
		For Class 55 Rating, Add	*680.90*	
		For Class 56 Rating, Add	*904.19*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.61	537.29
		For Class 52 Rating, Deduct	*-346.45*	
		For Class 54 Rating, Add	*482.20*	
		For Class 55 Rating, Add	*721.89*	
		For Class 56 Rating, Add	*958.42*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,152.21	540.83
		For Class 52 Rating, Deduct	*-366.60*	
		For Class 54 Rating, Add	*509.75*	
		For Class 55 Rating, Add	*762.87*	
		For Class 56 Rating, Add	*1,012.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,340.80	544.40
		For Class 52 Rating, Deduct	*-386.75*	
		For Class 54 Rating, Add	*537.29*	
		For Class 55 Rating, Add	*803.85*	
		For Class 56 Rating, Add	*1,066.90*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,529.38	547.96
		For Class 52 Rating, Deduct	*-406.91*	
		For Class 54 Rating, Add	*564.84*	
		For Class 55 Rating, Add	*844.84*	
		For Class 56 Rating, Add	*1,121.14*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,717.98	551.52
		For Class 52 Rating, Deduct	*-427.06*	
		For Class 54 Rating, Add	*592.38*	
		For Class 55 Rating, Add	*885.82*	
		For Class 56 Rating, Add	*1,175.38*	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,906.57	555.07
		For Class 52 Rating, Deduct	*-447.21*	
		For Class 54 Rating, Add	*619.92*	
		For Class 55 Rating, Add	*926.80*	
		For Class 56 Rating, Add	*1,229.61*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,095.17	558.63
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*647.47*	
		For Class 55 Rating, Add	*967.79*	
		For Class 56 Rating, Add	*1,283.85*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,283.75	562.19
		For Class 52 Rating, Deduct	*-487.51*	
		For Class 54 Rating, Add	*675.01*	
		For Class 55 Rating, Add	*1,008.77*	
		For Class 56 Rating, Add	*1,338.09*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,472.34	565.74
		For Class 52 Rating, Deduct	*-507.67*	
		For Class 54 Rating, Add	*702.56*	
		For Class 55 Rating, Add	*1,049.75*	
		For Class 56 Rating, Add	*1,392.33*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,660.95	569.30
		For Class 52 Rating, Deduct	*-527.82*	
		For Class 54 Rating, Add	*730.11*	
		For Class 55 Rating, Add	*1,090.74*	
		For Class 56 Rating, Add	*1,446.57*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,849.53	572.87
		For Class 52 Rating, Deduct	*-547.97*	
		For Class 54 Rating, Add	*757.65*	
		For Class 55 Rating, Add	*1,131.72*	
		For Class 56 Rating, Add	*1,500.81*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,038.13	576.42
		For Class 52 Rating, Deduct	*-568.12*	
		For Class 54 Rating, Add	*785.19*	
		For Class 55 Rating, Add	*1,172.70*	
		For Class 56 Rating, Add	*1,555.05*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,226.72	579.98
		For Class 52 Rating, Deduct	*-588.28*	
		For Class 54 Rating, Add	*812.74*	
		For Class 55 Rating, Add	*1,213.69*	
		For Class 56 Rating, Add	*1,609.28*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,415.31	583.53
		For Class 52 Rating, Deduct	*-608.43*	
		For Class 54 Rating, Add	*840.28*	
		For Class 55 Rating, Add	*1,254.67*	
		For Class 56 Rating, Add	*1,663.52*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,603.90	587.10
		For Class 52 Rating, Deduct	*-628.58*	
		For Class 54 Rating, Add	*867.83*	
		For Class 55 Rating, Add	*1,295.65*	
		For Class 56 Rating, Add	*1,717.76*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,792.49	590.67
		For Class 52 Rating, Deduct	*-648.73*	
		For Class 54 Rating, Add	*895.37*	
		For Class 55 Rating, Add	*1,336.63*	
		For Class 56 Rating, Add	*1,772.00*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,981.09	594.21
		For Class 52 Rating, Deduct	*-668.88*	
		For Class 54 Rating, Add	*922.92*	
		For Class 55 Rating, Add	*1,377.62*	
		For Class 56 Rating, Add	*1,826.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,169.67	597.78
		For Class 52 Rating, Deduct	*-689.04*	
		For Class 54 Rating, Add	*950.46*	
		For Class 55 Rating, Add	*1,418.60*	
		For Class 56 Rating, Add	*1,880.47*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,358.26	601.33
		For Class 52 Rating, Deduct	*-709.19*	
		For Class 54 Rating, Add	*978.01*	
		For Class 55 Rating, Add	*1,459.58*	
		For Class 56 Rating, Add	*1,934.71*	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,546.86	604.89
		For Class 52 Rating, Deduct	*-729.34*	
		For Class 54 Rating, Add	*1,005.55*	
		For Class 55 Rating, Add	*1,500.57*	
		For Class 56 Rating, Add	*1,988.95*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,735.45	608.44
		For Class 52 Rating, Deduct	*-749.49*	
		For Class 54 Rating, Add	*1,033.10*	
		For Class 55 Rating, Add	*1,541.55*	
		For Class 56 Rating, Add	*2,043.19*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,924.04	612.01
		For Class 52 Rating, Deduct	*-769.64*	
		For Class 54 Rating, Add	*1,060.64*	
		For Class 55 Rating, Add	*1,582.53*	
		For Class 56 Rating, Add	*2,097.43*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,112.64	615.57
		For Class 52 Rating, Deduct	*-789.80*	
		For Class 54 Rating, Add	*1,088.19*	
		For Class 55 Rating, Add	*1,623.52*	
		For Class 56 Rating, Add	*2,151.67*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,301.23	619.12
		For Class 52 Rating, Deduct	*-809.95*	
		For Class 54 Rating, Add	*1,115.73*	
		For Class 55 Rating, Add	*1,664.50*	
		For Class 56 Rating, Add	*2,205.91*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,489.82	622.68
		For Class 52 Rating, Deduct	*-830.10*	
		For Class 54 Rating, Add	*1,143.28*	
		For Class 55 Rating, Add	*1,705.48*	
		For Class 56 Rating, Add	*2,260.14*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,678.41	626.24
		For Class 52 Rating, Deduct	*-850.25*	
		For Class 54 Rating, Add	*1,170.82*	
		For Class 55 Rating, Add	*1,746.47*	
		For Class 56 Rating, Add	*2,314.38*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,867.01	629.78
		For Class 52 Rating, Deduct	*-870.40*	
		For Class 54 Rating, Add	*1,198.37*	
		For Class 55 Rating, Add	*1,787.45*	
		For Class 56 Rating, Add	*2,368.62*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,055.60	633.35
		For Class 52 Rating, Deduct	*-890.56*	
		For Class 54 Rating, Add	*1,225.91*	
		For Class 55 Rating, Add	*1,828.43*	
		For Class 56 Rating, Add	*2,422.86*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,524.40	597.78
		For Class 52 Rating, Deduct	*-178.06*	
		For Class 54 Rating, Add	*253.67*	
		For Class 55 Rating, Add	*382.70*	
		For Class 56 Rating, Add	*510.12*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.15	601.33
		For Class 52 Rating, Deduct	*-202.63*	
		For Class 54 Rating, Add	*287.24*	
		For Class 55 Rating, Add	*432.64*	
		For Class 56 Rating, Add	*576.20*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,981.90	604.89
		For Class 52 Rating, Deduct	*-227.19*	
		For Class 54 Rating, Add	*320.81*	
		For Class 55 Rating, Add	*482.58*	
		For Class 56 Rating, Add	*642.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.65	608.44
		For Class 52 Rating, Deduct	*-251.76*	
		For Class 54 Rating, Add	*354.38*	
		For Class 55 Rating, Add	*532.52*	
		For Class 56 Rating, Add	*708.37*	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.39	612.01
		For Class 52 Rating, Deduct	*-276.33*	
		For Class 54 Rating, Add	*387.94*	
		For Class 55 Rating, Add	*582.46*	
		For Class 56 Rating, Add	*774.45*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,668.13	615.57
		For Class 52 Rating, Deduct	*-300.90*	
		For Class 54 Rating, Add	*421.51*	
		For Class 55 Rating, Add	*632.39*	
		For Class 56 Rating, Add	*840.54*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,896.88	619.12
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*455.08*	
		For Class 55 Rating, Add	*682.33*	
		For Class 56 Rating, Add	*906.62*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,125.62	622.68
		For Class 52 Rating, Deduct	*-350.04*	
		For Class 54 Rating, Add	*488.65*	
		For Class 55 Rating, Add	*732.27*	
		For Class 56 Rating, Add	*972.70*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,354.37	626.24
		For Class 52 Rating, Deduct	*-374.61*	
		For Class 54 Rating, Add	*522.22*	
		For Class 55 Rating, Add	*782.21*	
		For Class 56 Rating, Add	*1,038.79*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,583.12	629.78
		For Class 52 Rating, Deduct	*-399.18*	
		For Class 54 Rating, Add	*555.78*	
		For Class 55 Rating, Add	*832.14*	
		For Class 56 Rating, Add	*1,104.87*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,811.87	633.35
		For Class 52 Rating, Deduct	*-423.75*	
		For Class 54 Rating, Add	*589.35*	
		For Class 55 Rating, Add	*882.08*	
		For Class 56 Rating, Add	*1,170.96*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,040.60	636.91
		For Class 52 Rating, Deduct	*-448.31*	
		For Class 54 Rating, Add	*622.92*	
		For Class 55 Rating, Add	*932.02*	
		For Class 56 Rating, Add	*1,237.04*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.35	640.48
		For Class 52 Rating, Deduct	*-472.88*	
		For Class 54 Rating, Add	*656.49*	
		For Class 55 Rating, Add	*981.95*	
		For Class 56 Rating, Add	*1,303.12*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,498.10	644.02
		For Class 52 Rating, Deduct	*-497.45*	
		For Class 54 Rating, Add	*690.05*	
		For Class 55 Rating, Add	*1,031.89*	
		For Class 56 Rating, Add	*1,369.21*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,726.84	647.58
		For Class 52 Rating, Deduct	*-522.02*	
		For Class 54 Rating, Add	*723.62*	
		For Class 55 Rating, Add	*1,081.83*	
		For Class 56 Rating, Add	*1,435.29*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,955.59	651.15
		For Class 52 Rating, Deduct	*-546.59*	
		For Class 54 Rating, Add	*757.19*	
		For Class 55 Rating, Add	*1,131.77*	
		For Class 56 Rating, Add	*1,501.37*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,184.33	654.69
		For Class 52 Rating, Deduct	*-571.16*	
		For Class 54 Rating, Add	*790.76*	
		For Class 55 Rating, Add	*1,181.70*	
		For Class 56 Rating, Add	*1,567.46*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,413.09	658.26
		For Class 52 Rating, Deduct	*-595.73*	
		For Class 54 Rating, Add	*824.33*	
		For Class 55 Rating, Add	*1,231.64*	
		For Class 56 Rating, Add	*1,633.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,641.82	661.82
		For Class 52 Rating, Deduct	*-620.30*	
		For Class 54 Rating, Add	*857.89*	
		For Class 55 Rating, Add	*1,281.58*	
		For Class 56 Rating, Add	*1,699.62*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,870.58	665.38
		For Class 52 Rating, Deduct	*-644.87*	
		For Class 54 Rating, Add	*891.46*	
		For Class 55 Rating, Add	*1,331.52*	
		For Class 56 Rating, Add	*1,765.71*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,099.32	668.93
		For Class 52 Rating, Deduct	*-669.44*	
		For Class 54 Rating, Add	*925.03*	
		For Class 55 Rating, Add	*1,381.45*	
		For Class 56 Rating, Add	*1,831.79*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,328.06	672.49
		For Class 52 Rating, Deduct	*-694.00*	
		For Class 54 Rating, Add	*958.60*	
		For Class 55 Rating, Add	*1,431.39*	
		For Class 56 Rating, Add	*1,897.87*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,556.81	676.05
		For Class 52 Rating, Deduct	*-718.57*	
		For Class 54 Rating, Add	*992.17*	
		For Class 55 Rating, Add	*1,481.33*	
		For Class 56 Rating, Add	*1,963.96*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,785.55	679.62
		For Class 52 Rating, Deduct	*-743.14*	
		For Class 54 Rating, Add	*1,025.73*	
		For Class 55 Rating, Add	*1,531.27*	
		For Class 56 Rating, Add	*2,030.04*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,014.31	683.16
		For Class 52 Rating, Deduct	*-767.71*	
		For Class 54 Rating, Add	*1,059.30*	
		For Class 55 Rating, Add	*1,581.20*	
		For Class 56 Rating, Add	*2,096.13*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,243.04	686.73
		For Class 52 Rating, Deduct	*-792.28*	
		For Class 54 Rating, Add	*1,092.87*	
		For Class 55 Rating, Add	*1,631.14*	
		For Class 56 Rating, Add	*2,162.21*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,471.79	690.28
		For Class 52 Rating, Deduct	*-816.85*	
		For Class 54 Rating, Add	*1,126.44*	
		For Class 55 Rating, Add	*1,681.08*	
		For Class 56 Rating, Add	*2,228.30*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,700.54	693.84
		For Class 52 Rating, Deduct	*-841.42*	
		For Class 54 Rating, Add	*1,160.00*	
		For Class 55 Rating, Add	*1,731.02*	
		For Class 56 Rating, Add	*2,294.38*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,929.29	697.39
		For Class 52 Rating, Deduct	*-865.99*	
		For Class 54 Rating, Add	*1,193.57*	
		For Class 55 Rating, Add	*1,780.95*	
		For Class 56 Rating, Add	*2,360.46*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,158.03	700.96
		For Class 52 Rating, Deduct	*-890.56*	
		For Class 54 Rating, Add	*1,227.14*	
		For Class 55 Rating, Add	*1,830.89*	
		For Class 56 Rating, Add	*2,426.55*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,386.77	704.53
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,260.71*	
		For Class 55 Rating, Add	*1,880.83*	
		For Class 56 Rating, Add	*2,492.63*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,615.52	708.07
		For Class 52 Rating, Deduct	*-939.69*	
		For Class 54 Rating, Add	*1,294.28*	
		For Class 55 Rating, Add	*1,930.77*	
		For Class 56 Rating, Add	*2,558.71*	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,844.26	711.64
		For Class 52 Rating, Deduct	*-964.26*	
		For Class 54 Rating, Add	*1,327.84*	
		For Class 55 Rating, Add	*1,980.70*	
		For Class 56 Rating, Add	*2,624.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,073.01	715.19
		For Class 52 Rating, Deduct	*-988.83*	
		For Class 54 Rating, Add	*1,361.41*	
		For Class 55 Rating, Add	*2,030.64*	
		For Class 56 Rating, Add	*2,690.88*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,301.76	718.75
		For Class 52 Rating, Deduct	*-1,013.40*	
		For Class 54 Rating, Add	*1,394.98*	
		For Class 55 Rating, Add	*2,080.58*	
		For Class 56 Rating, Add	*2,756.96*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,530.51	722.30
		For Class 52 Rating, Deduct	*-1,037.97*	
		For Class 54 Rating, Add	*1,428.55*	
		For Class 55 Rating, Add	*2,130.52*	
		For Class 56 Rating, Add	*2,823.05*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,759.24	725.87
		For Class 52 Rating, Deduct	*-1,062.54*	
		For Class 54 Rating, Add	*1,462.11*	
		For Class 55 Rating, Add	*2,180.45*	
		For Class 56 Rating, Add	*2,889.13*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,987.99	729.43
		For Class 52 Rating, Deduct	*-1,087.11*	
		For Class 54 Rating, Add	*1,495.68*	
		For Class 55 Rating, Add	*2,230.39*	
		For Class 56 Rating, Add	*2,955.21*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.93	683.16
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*299.64*	
		For Class 55 Rating, Add	*451.85*	
		For Class 56 Rating, Add	*602.14*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,216.31	686.73
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*338.86*	
		For Class 55 Rating, Add	*510.18*	
		For Class 56 Rating, Add	*679.32*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,482.70	690.28
		For Class 52 Rating, Deduct	*-268.05*	
		For Class 54 Rating, Add	*378.07*	
		For Class 55 Rating, Add	*568.51*	
		For Class 56 Rating, Add	*756.51*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,749.10	693.84
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*417.29*	
		For Class 55 Rating, Add	*626.84*	
		For Class 56 Rating, Add	*833.70*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.49	697.39
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*456.50*	
		For Class 55 Rating, Add	*685.18*	
		For Class 56 Rating, Add	*910.89*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,281.88	700.96
		For Class 52 Rating, Deduct	*-354.18*	
		For Class 54 Rating, Add	*495.72*	
		For Class 55 Rating, Add	*743.51*	
		For Class 56 Rating, Add	*988.08*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,548.27	704.53
		For Class 52 Rating, Deduct	*-382.89*	
		For Class 54 Rating, Add	*534.93*	
		For Class 55 Rating, Add	*801.84*	
		For Class 56 Rating, Add	*1,065.27*	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,814.65	708.07
		For Class 52 Rating, Deduct	*-411.60*	
		For Class 54 Rating, Add	*574.15*	
		For Class 55 Rating, Add	*860.17*	
		For Class 56 Rating, Add	*1,142.46*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,081.04	711.64
		For Class 52 Rating, Deduct	*-440.31*	
		For Class 54 Rating, Add	*613.36*	
		For Class 55 Rating, Add	*918.50*	
		For Class 56 Rating, Add	*1,219.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,347.43	715.19
		For Class 52 Rating, Deduct	*-469.02*	
		For Class 54 Rating, Add	*652.57*	
		For Class 55 Rating, Add	*976.84*	
		For Class 56 Rating, Add	*1,296.83*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.83	718.75
		For Class 52 Rating, Deduct	*-497.73*	
		For Class 54 Rating, Add	*691.79*	
		For Class 55 Rating, Add	*1,035.17*	
		For Class 56 Rating, Add	*1,374.02*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,880.22	722.30
		For Class 52 Rating, Deduct	*-526.44*	
		For Class 54 Rating, Add	*731.00*	
		For Class 55 Rating, Add	*1,093.50*	
		For Class 56 Rating, Add	*1,451.21*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,146.60	725.87
		For Class 52 Rating, Deduct	*-555.15*	
		For Class 54 Rating, Add	*770.22*	
		For Class 55 Rating, Add	*1,151.83*	
		For Class 56 Rating, Add	*1,528.40*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,412.99	729.43
		For Class 52 Rating, Deduct	*-583.86*	
		For Class 54 Rating, Add	*809.43*	
		For Class 55 Rating, Add	*1,210.16*	
		For Class 56 Rating, Add	*1,605.59*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,679.38	732.98
		For Class 52 Rating, Deduct	*-612.57*	
		For Class 54 Rating, Add	*848.65*	
		For Class 55 Rating, Add	*1,268.50*	
		For Class 56 Rating, Add	*1,682.78*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,945.77	736.54
		For Class 52 Rating, Deduct	*-641.28*	
		For Class 54 Rating, Add	*887.86*	
		For Class 55 Rating, Add	*1,326.83*	
		For Class 56 Rating, Add	*1,759.97*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,212.16	740.10
		For Class 52 Rating, Deduct	*-669.99*	
		For Class 54 Rating, Add	*927.08*	
		For Class 55 Rating, Add	*1,385.16*	
		For Class 56 Rating, Add	*1,837.15*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,478.55	743.64
		For Class 52 Rating, Deduct	*-698.70*	
		For Class 54 Rating, Add	*966.29*	
		For Class 55 Rating, Add	*1,443.49*	
		For Class 56 Rating, Add	*1,914.34*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,744.95	747.21
		For Class 52 Rating, Deduct	*-727.41*	
		For Class 54 Rating, Add	*1,005.51*	
		For Class 55 Rating, Add	*1,501.83*	
		For Class 56 Rating, Add	*1,991.53*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,011.32	750.78
		For Class 52 Rating, Deduct	*-756.12*	
		For Class 54 Rating, Add	*1,044.72*	
		For Class 55 Rating, Add	*1,560.16*	
		For Class 56 Rating, Add	*2,068.72*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,277.72	754.34
		For Class 52 Rating, Deduct	*-784.83*	
		For Class 54 Rating, Add	*1,083.93*	
		For Class 55 Rating, Add	*1,618.49*	
		For Class 56 Rating, Add	*2,145.91*	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,544.11	757.89
		For Class 52 Rating, Deduct	*-813.54*	
		For Class 54 Rating, Add	*1,123.15*	
		For Class 55 Rating, Add	*1,676.82*	
		For Class 56 Rating, Add	*2,223.10*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,810.49	761.44
		For Class 52 Rating, Deduct	*-842.25*	
		For Class 54 Rating, Add	*1,162.36*	
		For Class 55 Rating, Add	*1,735.15*	
		For Class 56 Rating, Add	*2,300.29*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,076.89	765.01
		For Class 52 Rating, Deduct	*-870.96*	
		For Class 54 Rating, Add	*1,201.58*	
		For Class 55 Rating, Add	*1,793.49*	
		For Class 56 Rating, Add	*2,377.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,343.28	768.57
		For Class 52 Rating, Deduct	*-899.67*	
		For Class 54 Rating, Add	*1,240.79*	
		For Class 55 Rating, Add	*1,851.82*	
		For Class 56 Rating, Add	*2,454.66*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,609.67	772.12
		For Class 52 Rating, Deduct	*-928.38*	
		For Class 54 Rating, Add	*1,280.01*	
		For Class 55 Rating, Add	*1,910.15*	
		For Class 56 Rating, Add	*2,531.85*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,876.05	775.68
		For Class 52 Rating, Deduct	*-957.09*	
		For Class 54 Rating, Add	*1,319.22*	
		For Class 55 Rating, Add	*1,968.48*	
		For Class 56 Rating, Add	*2,609.04*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,142.44	779.24
		For Class 52 Rating, Deduct	*-985.80*	
		For Class 54 Rating, Add	*1,358.43*	
		For Class 55 Rating, Add	*2,026.81*	
		For Class 56 Rating, Add	*2,686.23*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,408.84	782.79
		For Class 52 Rating, Deduct	*-1,014.51*	
		For Class 54 Rating, Add	*1,397.65*	
		For Class 55 Rating, Add	*2,085.15*	
		For Class 56 Rating, Add	*2,763.42*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,675.22	786.35
		For Class 52 Rating, Deduct	*-1,043.22*	
		For Class 54 Rating, Add	*1,436.86*	
		For Class 55 Rating, Add	*2,143.48*	
		For Class 56 Rating, Add	*2,840.61*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,941.61	789.91
		For Class 52 Rating, Deduct	*-1,071.93*	
		For Class 54 Rating, Add	*1,476.08*	
		For Class 55 Rating, Add	*2,201.81*	
		For Class 56 Rating, Add	*2,917.80*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,208.01	793.48
		For Class 52 Rating, Deduct	*-1,100.64*	
		For Class 54 Rating, Add	*1,515.29*	
		For Class 55 Rating, Add	*2,260.14*	
		For Class 56 Rating, Add	*2,994.99*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,474.39	797.02
		For Class 52 Rating, Deduct	*-1,129.34*	
		For Class 54 Rating, Add	*1,554.51*	
		For Class 55 Rating, Add	*2,318.47*	
		For Class 56 Rating, Add	*3,072.17*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,740.78	800.59
		For Class 52 Rating, Deduct	*-1,158.05*	
		For Class 54 Rating, Add	*1,593.72*	
		For Class 55 Rating, Add	*2,376.80*	
		For Class 56 Rating, Add	*3,149.36*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,007.17	804.15
		For Class 52 Rating, Deduct	*-1,186.76*	
		For Class 54 Rating, Add	*1,632.94*	
		For Class 55 Rating, Add	*2,435.14*	
		For Class 56 Rating, Add	*3,226.55*	
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,273.57	807.70
		For Class 52 Rating, Deduct	*-1,215.47*	
		For Class 54 Rating, Add	*1,672.15*	
		For Class 55 Rating, Add	*2,493.47*	
		For Class 56 Rating, Add	*3,303.74*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,539.95	811.26
		For Class 52 Rating, Deduct	*-1,244.18*	
		For Class 54 Rating, Add	*1,711.37*	
		For Class 55 Rating, Add	*2,551.80*	
		For Class 56 Rating, Add	*3,380.93*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,806.34	814.82
		For Class 52 Rating, Deduct	*-1,272.89*	
		For Class 54 Rating, Add	*1,750.58*	
		For Class 55 Rating, Add	*2,610.13*	
		For Class 56 Rating, Add	*3,458.12*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.74	769.99
		For Class 52 Rating, Deduct	*-247.07*	
		For Class 54 Rating, Add	*350.91*	
		For Class 55 Rating, Add	*528.88*	
		For Class 56 Rating, Add	*704.60*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.28	773.55
		For Class 52 Rating, Deduct	*-280.20*	
		For Class 54 Rating, Add	*396.15*	
		For Class 55 Rating, Add	*596.16*	
		For Class 56 Rating, Add	*793.63*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,025.83	777.10
		For Class 52 Rating, Deduct	*-313.32*	
		For Class 54 Rating, Add	*441.39*	
		For Class 55 Rating, Add	*663.45*	
		For Class 56 Rating, Add	*882.67*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,332.38	780.66
		For Class 52 Rating, Deduct	*-346.45*	
		For Class 54 Rating, Add	*486.63*	
		For Class 55 Rating, Add	*730.74*	
		For Class 56 Rating, Add	*971.70*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,638.91	784.22
		For Class 52 Rating, Deduct	*-379.58*	
		For Class 54 Rating, Add	*531.86*	
		For Class 55 Rating, Add	*798.02*	
		For Class 56 Rating, Add	*1,060.73*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,945.45	787.77
		For Class 52 Rating, Deduct	*-412.70*	
		For Class 54 Rating, Add	*577.10*	
		For Class 55 Rating, Add	*865.31*	
		For Class 56 Rating, Add	*1,149.77*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,252.00	791.33
		For Class 52 Rating, Deduct	*-445.83*	
		For Class 54 Rating, Add	*622.34*	
		For Class 55 Rating, Add	*932.60*	
		For Class 56 Rating, Add	*1,238.80*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,558.55	794.90
		For Class 52 Rating, Deduct	*-478.96*	
		For Class 54 Rating, Add	*667.58*	
		For Class 55 Rating, Add	*999.88*	
		For Class 56 Rating, Add	*1,327.84*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,865.09	798.46
		For Class 52 Rating, Deduct	*-512.08*	
		For Class 54 Rating, Add	*712.81*	
		For Class 55 Rating, Add	*1,067.17*	
		For Class 56 Rating, Add	*1,416.87*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,171.63	802.01
		For Class 52 Rating, Deduct	*-545.21*	
		For Class 54 Rating, Add	*758.05*	
		For Class 55 Rating, Add	*1,134.45*	
		For Class 56 Rating, Add	*1,505.90*	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,478.17	805.57
		For Class 52 Rating, Deduct	*-578.34*	
		For Class 54 Rating, Add	*803.29*	
		For Class 55 Rating, Add	*1,201.74*	
		For Class 56 Rating, Add	*1,594.94*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,784.71	809.13
		For Class 52 Rating, Deduct	*-611.46*	
		For Class 54 Rating, Add	*848.53*	
		For Class 55 Rating, Add	*1,269.03*	
		For Class 56 Rating, Add	*1,683.97*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,091.26	812.68
		For Class 52 Rating, Deduct	*-644.59*	
		For Class 54 Rating, Add	*893.76*	
		For Class 55 Rating, Add	*1,336.31*	
		For Class 56 Rating, Add	*1,773.00*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,397.81	816.24
		For Class 52 Rating, Deduct	*-677.72*	
		For Class 54 Rating, Add	*939.00*	
		For Class 55 Rating, Add	*1,403.60*	
		For Class 56 Rating, Add	*1,862.04*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,704.35	819.81
		For Class 52 Rating, Deduct	*-710.84*	
		For Class 54 Rating, Add	*984.24*	
		For Class 55 Rating, Add	*1,470.89*	
		For Class 56 Rating, Add	*1,951.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,010.88	823.36
		For Class 52 Rating, Deduct	*-743.97*	
		For Class 54 Rating, Add	*1,029.48*	
		For Class 55 Rating, Add	*1,538.17*	
		For Class 56 Rating, Add	*2,040.10*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,317.43	826.92
		For Class 52 Rating, Deduct	*-777.10*	
		For Class 54 Rating, Add	*1,074.71*	
		For Class 55 Rating, Add	*1,605.46*	
		For Class 56 Rating, Add	*2,129.14*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,623.98	830.47
		For Class 52 Rating, Deduct	*-810.22*	
		For Class 54 Rating, Add	*1,119.95*	
		For Class 55 Rating, Add	*1,672.75*	
		For Class 56 Rating, Add	*2,218.17*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,930.52	834.04
		For Class 52 Rating, Deduct	*-843.35*	
		For Class 54 Rating, Add	*1,165.19*	
		For Class 55 Rating, Add	*1,740.03*	
		For Class 56 Rating, Add	*2,307.21*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,237.06	837.58
		For Class 52 Rating, Deduct	*-876.48*	
		For Class 54 Rating, Add	*1,210.43*	
		For Class 55 Rating, Add	*1,807.32*	
		For Class 56 Rating, Add	*2,396.24*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,543.60	841.15
		For Class 52 Rating, Deduct	*-909.60*	
		For Class 54 Rating, Add	*1,255.66*	
		For Class 55 Rating, Add	*1,874.60*	
		For Class 56 Rating, Add	*2,485.27*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,850.15	844.71
		For Class 52 Rating, Deduct	*-942.73*	
		For Class 54 Rating, Add	*1,300.90*	
		For Class 55 Rating, Add	*1,941.89*	
		For Class 56 Rating, Add	*2,574.31*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,156.69	848.27
		For Class 52 Rating, Deduct	*-975.86*	
		For Class 54 Rating, Add	*1,346.14*	
		For Class 55 Rating, Add	*2,009.18*	
		For Class 56 Rating, Add	*2,663.34*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,463.24	851.81
		For Class 52 Rating, Deduct	*-1,008.98*	
		For Class 54 Rating, Add	*1,391.38*	
		For Class 55 Rating, Add	*2,076.46*	
		For Class 56 Rating, Add	*2,752.38*	
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,769.78	855.38
		For Class 52 Rating, Deduct	*-1,042.11*	
		For Class 54 Rating, Add	*1,436.61*	
		For Class 55 Rating, Add	*2,143.75*	
		For Class 56 Rating, Add	*2,841.41*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,076.32	858.95
		For Class 52 Rating, Deduct	*-1,075.24*	
		For Class 54 Rating, Add	*1,481.85*	
		For Class 55 Rating, Add	*2,211.03*	
		For Class 56 Rating, Add	*2,930.44*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,382.86	862.51
		For Class 52 Rating, Deduct	*-1,108.36*	
		For Class 54 Rating, Add	*1,527.09*	
		For Class 55 Rating, Add	*2,278.32*	
		For Class 56 Rating, Add	*3,019.48*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,689.41	866.06
		For Class 52 Rating, Deduct	*-1,141.49*	
		For Class 54 Rating, Add	*1,572.33*	
		For Class 55 Rating, Add	*2,345.61*	
		For Class 56 Rating, Add	*3,108.51*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,995.96	869.61
		For Class 52 Rating, Deduct	*-1,174.62*	
		For Class 54 Rating, Add	*1,617.56*	
		For Class 55 Rating, Add	*2,412.89*	
		For Class 56 Rating, Add	*3,197.55*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,302.49	873.18
		For Class 52 Rating, Deduct	*-1,207.75*	
		For Class 54 Rating, Add	*1,662.80*	
		For Class 55 Rating, Add	*2,480.18*	
		For Class 56 Rating, Add	*3,286.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,609.03	876.72
		For Class 52 Rating, Deduct	*-1,240.87*	
		For Class 54 Rating, Add	*1,708.04*	
		For Class 55 Rating, Add	*2,547.47*	
		For Class 56 Rating, Add	*3,375.61*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,915.58	880.29
		For Class 52 Rating, Deduct	*-1,274.00*	
		For Class 54 Rating, Add	*1,753.28*	
		For Class 55 Rating, Add	*2,614.75*	
		For Class 56 Rating, Add	*3,464.65*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,222.13	883.85
		For Class 52 Rating, Deduct	*-1,307.13*	
		For Class 54 Rating, Add	*1,798.51*	
		For Class 55 Rating, Add	*2,682.04*	
		For Class 56 Rating, Add	*3,553.68*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,528.67	887.41
		For Class 52 Rating, Deduct	*-1,340.25*	
		For Class 54 Rating, Add	*1,843.75*	
		For Class 55 Rating, Add	*2,749.33*	
		For Class 56 Rating, Add	*3,642.72*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,835.21	890.96
		For Class 52 Rating, Deduct	*-1,373.38*	
		For Class 54 Rating, Add	*1,888.99*	
		For Class 55 Rating, Add	*2,816.61*	
		For Class 56 Rating, Add	*3,731.75*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,141.75	894.52
		For Class 52 Rating, Deduct	*-1,406.51*	
		For Class 54 Rating, Add	*1,934.23*	
		For Class 55 Rating, Add	*2,883.90*	
		For Class 56 Rating, Add	*3,820.78*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,448.29	898.08
		For Class 52 Rating, Deduct	*-1,439.63*	
		For Class 54 Rating, Add	*1,979.46*	
		For Class 55 Rating, Add	*2,951.18*	
		For Class 56 Rating, Add	*3,909.82*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,754.84	901.63
		For Class 52 Rating, Deduct	*-1,472.76*	
		For Class 54 Rating, Add	*2,024.70*	
		For Class 55 Rating, Add	*3,018.47*	
		For Class 56 Rating, Add	*3,998.85*	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,976.73	878.87
		For Class 52 Rating, Deduct	*-290.96*	
		For Class 54 Rating, Add	*412.75*	
		For Class 55 Rating, Add	*621.82*	
		For Class 56 Rating, Add	*828.25*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,328.45	882.43
		For Class 52 Rating, Deduct	*-329.06*	
		For Class 54 Rating, Add	*464.76*	
		For Class 55 Rating, Add	*699.18*	
		For Class 56 Rating, Add	*930.61*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,680.17	885.98
		For Class 52 Rating, Deduct	*-367.15*	
		For Class 54 Rating, Add	*516.77*	
		For Class 55 Rating, Add	*776.54*	
		For Class 56 Rating, Add	*1,032.97*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,031.88	889.54
		For Class 52 Rating, Deduct	*-405.25*	
		For Class 54 Rating, Add	*568.79*	
		For Class 55 Rating, Add	*853.90*	
		For Class 56 Rating, Add	*1,135.33*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,383.60	893.10
		For Class 52 Rating, Deduct	*-443.35*	
		For Class 54 Rating, Add	*620.80*	
		For Class 55 Rating, Add	*931.26*	
		For Class 56 Rating, Add	*1,237.69*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,735.31	896.65
		For Class 52 Rating, Deduct	*-481.44*	
		For Class 54 Rating, Add	*672.81*	
		For Class 55 Rating, Add	*1,008.62*	
		For Class 56 Rating, Add	*1,340.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,087.03	900.21
		For Class 52 Rating, Deduct	*-519.54*	
		For Class 54 Rating, Add	*724.83*	
		For Class 55 Rating, Add	*1,085.98*	
		For Class 56 Rating, Add	*1,442.41*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,438.74	903.77
		For Class 52 Rating, Deduct	*-557.63*	
		For Class 54 Rating, Add	*776.84*	
		For Class 55 Rating, Add	*1,163.34*	
		For Class 56 Rating, Add	*1,544.77*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,790.47	907.34
		For Class 52 Rating, Deduct	*-595.73*	
		For Class 54 Rating, Add	*828.86*	
		For Class 55 Rating, Add	*1,240.70*	
		For Class 56 Rating, Add	*1,647.13*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,142.18	910.88
		For Class 52 Rating, Deduct	*-633.82*	
		For Class 54 Rating, Add	*880.87*	
		For Class 55 Rating, Add	*1,318.06*	
		For Class 56 Rating, Add	*1,749.49*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,493.89	914.45
		For Class 52 Rating, Deduct	*-671.92*	
		For Class 54 Rating, Add	*932.88*	
		For Class 55 Rating, Add	*1,395.42*	
		For Class 56 Rating, Add	*1,851.85*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,845.61	918.01
		For Class 52 Rating, Deduct	*-710.02*	
		For Class 54 Rating, Add	*984.89*	
		For Class 55 Rating, Add	*1,472.78*	
		For Class 56 Rating, Add	*1,954.21*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,197.33	921.56
		For Class 52 Rating, Deduct	*-748.11*	
		For Class 54 Rating, Add	*1,036.91*	
		For Class 55 Rating, Add	*1,550.14*	
		For Class 56 Rating, Add	*2,056.57*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,549.04	925.12
		For Class 52 Rating, Deduct	*-786.21*	
		For Class 54 Rating, Add	*1,088.92*	
		For Class 55 Rating, Add	*1,627.50*	
		For Class 56 Rating, Add	*2,158.93*	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,900.76	928.68
		For Class 52 Rating, Deduct	*-824.30*	
		For Class 54 Rating, Add	*1,140.94*	
		For Class 55 Rating, Add	*1,704.86*	
		For Class 56 Rating, Add	*2,261.29*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,252.47	932.25
		For Class 52 Rating, Deduct	*-862.40*	
		For Class 54 Rating, Add	*1,192.95*	
		For Class 55 Rating, Add	*1,782.22*	
		For Class 56 Rating, Add	*2,363.65*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,604.20	935.79
		For Class 52 Rating, Deduct	*-900.50*	
		For Class 54 Rating, Add	*1,244.96*	
		For Class 55 Rating, Add	*1,859.58*	
		For Class 56 Rating, Add	*2,466.01*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,955.90	939.36
		For Class 52 Rating, Deduct	*-938.59*	
		For Class 54 Rating, Add	*1,296.98*	
		For Class 55 Rating, Add	*1,936.94*	
		For Class 56 Rating, Add	*2,568.37*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,307.62	942.91
		For Class 52 Rating, Deduct	*-976.69*	
		For Class 54 Rating, Add	*1,348.99*	
		For Class 55 Rating, Add	*2,014.30*	
		For Class 56 Rating, Add	*2,670.72*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,659.34	946.48
		For Class 52 Rating, Deduct	*-1,014.78*	
		For Class 54 Rating, Add	*1,401.00*	
		For Class 55 Rating, Add	*2,091.66*	
		For Class 56 Rating, Add	*2,773.09*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,011.04	950.02
		For Class 52 Rating, Deduct	*-1,052.88*	
		For Class 54 Rating, Add	*1,453.01*	
		For Class 55 Rating, Add	*2,169.02*	
		For Class 56 Rating, Add	*2,875.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,362.77	953.59
		For Class 52 Rating, Deduct	*-1,090.97*	
		For Class 54 Rating, Add	*1,505.03*	
		For Class 55 Rating, Add	*2,246.38*	
		For Class 56 Rating, Add	*2,977.81*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,714.48	957.15
		For Class 52 Rating, Deduct	*-1,129.07*	
		For Class 54 Rating, Add	*1,557.04*	
		For Class 55 Rating, Add	*2,323.74*	
		For Class 56 Rating, Add	*3,080.16*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,066.21	960.70
		For Class 52 Rating, Deduct	*-1,167.16*	
		For Class 54 Rating, Add	*1,609.06*	
		For Class 55 Rating, Add	*2,401.10*	
		For Class 56 Rating, Add	*3,182.53*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,417.91	964.26
		For Class 52 Rating, Deduct	*-1,205.26*	
		For Class 54 Rating, Add	*1,661.07*	
		For Class 55 Rating, Add	*2,478.45*	
		For Class 56 Rating, Add	*3,284.88*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,769.63	967.82
		For Class 52 Rating, Deduct	*-1,243.36*	
		For Class 54 Rating, Add	*1,713.08*	
		For Class 55 Rating, Add	*2,555.82*	
		For Class 56 Rating, Add	*3,387.25*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,121.35	971.39
		For Class 52 Rating, Deduct	*-1,281.45*	
		For Class 54 Rating, Add	*1,765.10*	
		For Class 55 Rating, Add	*2,633.17*	
		For Class 56 Rating, Add	*3,489.60*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,473.06	974.93
		For Class 52 Rating, Deduct	*-1,319.55*	
		For Class 54 Rating, Add	*1,817.11*	
		For Class 55 Rating, Add	*2,710.54*	
		For Class 56 Rating, Add	*3,591.97*	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,824.78	978.50
		For Class 52 Rating, Deduct	*-1,357.64*	
		For Class 54 Rating, Add	*1,869.12*	
		For Class 55 Rating, Add	*2,787.89*	
		For Class 56 Rating, Add	*3,694.32*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,176.50	982.06
		For Class 52 Rating, Deduct	*-1,395.74*	
		For Class 54 Rating, Add	*1,921.14*	
		For Class 55 Rating, Add	*2,865.26*	
		For Class 56 Rating, Add	*3,796.69*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,528.21	985.61
		For Class 52 Rating, Deduct	*-1,433.83*	
		For Class 54 Rating, Add	*1,973.15*	
		For Class 55 Rating, Add	*2,942.61*	
		For Class 56 Rating, Add	*3,899.04*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,879.93	989.16
		For Class 52 Rating, Deduct	*-1,471.93*	
		For Class 54 Rating, Add	*2,025.16*	
		For Class 55 Rating, Add	*3,019.98*	
		For Class 56 Rating, Add	*4,001.41*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,231.64	992.73
		For Class 52 Rating, Deduct	*-1,510.03*	
		For Class 54 Rating, Add	*2,077.18*	
		For Class 55 Rating, Add	*3,097.33*	
		For Class 56 Rating, Add	*4,103.76*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,583.37	996.29
		For Class 52 Rating, Deduct	*-1,548.12*	
		For Class 54 Rating, Add	*2,129.19*	
		For Class 55 Rating, Add	*3,174.70*	
		For Class 56 Rating, Add	*4,206.13*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,935.07	999.84
		For Class 52 Rating, Deduct	*-1,586.22*	
		For Class 54 Rating, Add	*2,181.20*	
		For Class 55 Rating, Add	*3,252.05*	
		For Class 56 Rating, Add	*4,308.48*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,286.79	1,003.40
		For Class 52 Rating, Deduct	*-1,624.31*	
		For Class 54 Rating, Add	*2,233.22*	
		For Class 55 Rating, Add	*3,329.41*	
		For Class 56 Rating, Add	*4,410.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,638.51	1,006.96
		For Class 52 Rating, Deduct	*-1,662.41*	
		For Class 54 Rating, Add	*2,285.23*	
		For Class 55 Rating, Add	*3,406.77*	
		For Class 56 Rating, Add	*4,513.20*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,990.23	1,010.51
		For Class 52 Rating, Deduct	*-1,700.51*	
		For Class 54 Rating, Add	*2,337.24*	
		For Class 55 Rating, Add	*3,484.13*	
		For Class 56 Rating, Add	*4,615.57*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,876.84	1,038.98
		For Class 52 Rating, Deduct	*-363.29*	
		For Class 54 Rating, Add	*514.29*	
		For Class 55 Rating, Add	*774.27*	
		For Class 56 Rating, Add	*1,030.95*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,311.39	1,042.54
		For Class 52 Rating, Deduct	*-410.50*	
		For Class 54 Rating, Add	*578.72*	
		For Class 55 Rating, Add	*870.10*	
		For Class 56 Rating, Add	*1,157.74*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,745.92	1,046.11
		For Class 52 Rating, Deduct	*-457.70*	
		For Class 54 Rating, Add	*643.16*	
		For Class 55 Rating, Add	*965.93*	
		For Class 56 Rating, Add	*1,284.53*	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,180.46	1,049.65
		For Class 52 Rating, Deduct	*-504.91*	
		For Class 54 Rating, Add	*707.59*	
		For Class 55 Rating, Add	*1,061.75*	
		For Class 56 Rating, Add	*1,411.32*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,614.98	1,053.22
		For Class 52 Rating, Deduct	*-552.11*	
		For Class 54 Rating, Add	*772.03*	
		For Class 55 Rating, Add	*1,157.58*	
		For Class 56 Rating, Add	*1,538.11*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,049.51	1,056.77
		For Class 52 Rating, Deduct	*-599.32*	
		For Class 54 Rating, Add	*836.47*	
		For Class 55 Rating, Add	*1,253.41*	
		For Class 56 Rating, Add	*1,664.90*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,484.05	1,060.34
		For Class 52 Rating, Deduct	*-646.52*	
		For Class 54 Rating, Add	*900.90*	
		For Class 55 Rating, Add	*1,349.24*	
		For Class 56 Rating, Add	*1,791.69*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,918.57	1,063.88
		For Class 52 Rating, Deduct	*-693.73*	
		For Class 54 Rating, Add	*965.34*	
		For Class 55 Rating, Add	*1,445.06*	
		For Class 56 Rating, Add	*1,918.48*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,353.12	1,067.45
		For Class 52 Rating, Deduct	*-740.93*	
		For Class 54 Rating, Add	*1,029.77*	
		For Class 55 Rating, Add	*1,540.89*	
		For Class 56 Rating, Add	*2,045.28*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,787.65	1,071.02
		For Class 52 Rating, Deduct	*-788.14*	
		For Class 54 Rating, Add	*1,094.21*	
		For Class 55 Rating, Add	*1,636.72*	
		For Class 56 Rating, Add	*2,172.07*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,222.18	1,074.56
		For Class 52 Rating, Deduct	*-835.35*	
		For Class 54 Rating, Add	*1,158.65*	
		For Class 55 Rating, Add	*1,732.55*	
		For Class 56 Rating, Add	*2,298.86*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,656.71	1,078.13
		For Class 52 Rating, Deduct	*-882.55*	
		For Class 54 Rating, Add	*1,223.08*	
		For Class 55 Rating, Add	*1,828.38*	
		For Class 56 Rating, Add	*2,425.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,091.24	1,081.68
		For Class 52 Rating, Deduct	*-929.76*	
		For Class 54 Rating, Add	*1,287.52*	
		For Class 55 Rating, Add	*1,924.20*	
		For Class 56 Rating, Add	*2,552.44*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,525.78	1,085.25
		For Class 52 Rating, Deduct	*-976.96*	
		For Class 54 Rating, Add	*1,351.95*	
		For Class 55 Rating, Add	*2,020.03*	
		For Class 56 Rating, Add	*2,679.23*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,960.31	1,088.79
		For Class 52 Rating, Deduct	*-1,024.17*	
		For Class 54 Rating, Add	*1,416.39*	
		For Class 55 Rating, Add	*2,115.86*	
		For Class 56 Rating, Add	*2,806.02*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,394.84	1,092.36
		For Class 52 Rating, Deduct	*-1,071.37*	
		For Class 54 Rating, Add	*1,480.82*	
		For Class 55 Rating, Add	*2,211.69*	
		For Class 56 Rating, Add	*2,932.81*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,829.38	1,095.92
		For Class 52 Rating, Deduct	*-1,118.58*	
		For Class 54 Rating, Add	*1,545.26*	
		For Class 55 Rating, Add	*2,307.52*	
		For Class 56 Rating, Add	*3,059.60*	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,263.91	1,099.47
		For Class 52 Rating, Deduct	*-1,165.78*	
		For Class 54 Rating, Add	*1,609.70*	
		For Class 55 Rating, Add	*2,403.34*	
		For Class 56 Rating, Add	*3,186.39*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,698.44	1,103.02
		For Class 52 Rating, Deduct	*-1,212.99*	
		For Class 54 Rating, Add	*1,674.13*	
		For Class 55 Rating, Add	*2,499.17*	
		For Class 56 Rating, Add	*3,313.18*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,132.97	1,106.59
		For Class 52 Rating, Deduct	*-1,260.20*	
		For Class 54 Rating, Add	*1,738.57*	
		For Class 55 Rating, Add	*2,595.00*	
		For Class 56 Rating, Add	*3,439.97*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,567.51	1,110.15
		For Class 52 Rating, Deduct	*-1,307.40*	
		For Class 54 Rating, Add	*1,803.00*	
		For Class 55 Rating, Add	*2,690.83*	
		For Class 56 Rating, Add	*3,566.77*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,002.04	1,113.70
		For Class 52 Rating, Deduct	*-1,354.61*	
		For Class 54 Rating, Add	*1,867.44*	
		For Class 55 Rating, Add	*2,786.66*	
		For Class 56 Rating, Add	*3,693.56*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,436.57	1,117.26
		For Class 52 Rating, Deduct	*-1,401.81*	
		For Class 54 Rating, Add	*1,931.88*	
		For Class 55 Rating, Add	*2,882.48*	
		For Class 56 Rating, Add	*3,820.35*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,871.11	1,120.82
		For Class 52 Rating, Deduct	*-1,449.02*	
		For Class 54 Rating, Add	*1,996.31*	
		For Class 55 Rating, Add	*2,978.31*	
		For Class 56 Rating, Add	*3,947.14*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,305.64	1,124.39
		For Class 52 Rating, Deduct	*-1,496.22*	
		For Class 54 Rating, Add	*2,060.75*	
		For Class 55 Rating, Add	*3,074.14*	
		For Class 56 Rating, Add	*4,073.93*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,740.16	1,127.93
		For Class 52 Rating, Deduct	*-1,543.43*	
		For Class 54 Rating, Add	*2,125.18*	
		For Class 55 Rating, Add	*3,169.97*	
		For Class 56 Rating, Add	*4,200.72*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,174.71	1,131.50
		For Class 52 Rating, Deduct	*-1,590.64*	
		For Class 54 Rating, Add	*2,189.62*	
		For Class 55 Rating, Add	*3,265.80*	
		For Class 56 Rating, Add	*4,327.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,609.24	1,135.06
		For Class 52 Rating, Deduct	*-1,637.84*	
		For Class 54 Rating, Add	*2,254.06*	
		For Class 55 Rating, Add	*3,361.62*	
		For Class 56 Rating, Add	*4,454.30*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,043.77	1,138.61
		For Class 52 Rating, Deduct	*-1,685.05*	
		For Class 54 Rating, Add	*2,318.49*	
		For Class 55 Rating, Add	*3,457.45*	
		For Class 56 Rating, Add	*4,581.09*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,569.95	1,202.65
		For Class 52 Rating, Deduct	*-1,732.25*	
		For Class 54 Rating, Add	*2,384.03*	
		For Class 55 Rating, Add	*3,555.48*	
		For Class 56 Rating, Add	*4,711.18*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,004.48	1,206.22
		For Class 52 Rating, Deduct	*-1,779.46*	
		For Class 54 Rating, Add	*2,448.46*	
		For Class 55 Rating, Add	*3,651.31*	
		For Class 56 Rating, Add	*4,837.97*	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,439.02	1,209.78
		For Class 52 Rating, Deduct	*-1,826.66*	
		For Class 54 Rating, Add	*2,512.90*	
		For Class 55 Rating, Add	*3,747.13*	
		For Class 56 Rating, Add	*4,964.76*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,873.55	1,213.34
		For Class 52 Rating, Deduct	*-1,873.87*	
		For Class 54 Rating, Add	*2,577.33*	
		For Class 55 Rating, Add	*3,842.96*	
		For Class 56 Rating, Add	*5,091.55*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,308.08	1,216.88
		For Class 52 Rating, Deduct	*-1,921.07*	
		For Class 54 Rating, Add	*2,641.77*	
		For Class 55 Rating, Add	*3,938.79*	
		For Class 56 Rating, Add	*5,218.35*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,742.62	1,220.45
		For Class 52 Rating, Deduct	*-1,968.28*	
		For Class 54 Rating, Add	*2,706.21*	
		For Class 55 Rating, Add	*4,034.62*	
		For Class 56 Rating, Add	*5,345.14*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,177.15	1,224.01
		For Class 52 Rating, Deduct	*-2,015.48*	
		For Class 54 Rating, Add	*2,770.64*	
		For Class 55 Rating, Add	*4,130.45*	
		For Class 56 Rating, Add	*5,471.93*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,611.68	1,227.56
		For Class 52 Rating, Deduct	*-2,062.69*	
		For Class 54 Rating, Add	*2,835.08*	
		For Class 55 Rating, Add	*4,226.27*	
		For Class 56 Rating, Add	*5,598.72*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,046.21	1,231.12
		For Class 52 Rating, Deduct	*-2,109.90*	
		For Class 54 Rating, Add	*2,899.51*	
		For Class 55 Rating, Add	*4,322.10*	
		For Class 56 Rating, Add	*5,725.51*	
40 05 19 00-1424		30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,441.12	1,465.97
		For Class 52 Rating, Deduct	*-574.20*	
		For Class 54 Rating, Add	*809.65*	
		For Class 55 Rating, Add	*1,217.36*	
		For Class 56 Rating, Add	*1,619.85*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,066.39	1,469.51
		For Class 52 Rating, Deduct	*-642.38*	
		For Class 54 Rating, Add	*902.69*	
		For Class 55 Rating, Add	*1,355.72*	
		For Class 56 Rating, Add	*1,802.91*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,691.65	1,473.08
		For Class 52 Rating, Deduct	*-710.57*	
		For Class 54 Rating, Add	*995.74*	
		For Class 55 Rating, Add	*1,494.08*	
		For Class 56 Rating, Add	*1,985.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,316.91	1,476.64
		For Class 52 Rating, Deduct	*-778.75*	
		For Class 54 Rating, Add	*1,088.78*	
		For Class 55 Rating, Add	*1,632.44*	
		For Class 56 Rating, Add	*2,169.02*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,942.17	1,480.20
		For Class 52 Rating, Deduct	*-846.94*	
		For Class 54 Rating, Add	*1,181.83*	
		For Class 55 Rating, Add	*1,770.80*	
		For Class 56 Rating, Add	*2,352.08*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,567.43	1,483.75
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,274.88*	
		For Class 55 Rating, Add	*1,909.16*	
		For Class 56 Rating, Add	*2,535.13*	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,192.71	1,487.31
		For Class 52 Rating, Deduct	*-983.31*	
		For Class 54 Rating, Add	*1,367.92*	
		For Class 55 Rating, Add	*2,047.53*	
		For Class 56 Rating, Add	*2,718.19*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,817.96	1,490.87
		For Class 52 Rating, Deduct	*-1,051.50*	
		For Class 54 Rating, Add	*1,460.97*	
		For Class 55 Rating, Add	*2,185.89*	
		For Class 56 Rating, Add	*2,901.25*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,443.22	1,494.42
		For Class 52 Rating, Deduct	*-1,119.68*	
		For Class 54 Rating, Add	*1,554.01*	
		For Class 55 Rating, Add	*2,324.25*	
		For Class 56 Rating, Add	*3,084.30*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,068.49	1,497.98
		For Class 52 Rating, Deduct	*-1,187.87*	
		For Class 54 Rating, Add	*1,647.06*	
		For Class 55 Rating, Add	*2,462.61*	
		For Class 56 Rating, Add	*3,267.36*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,693.75	1,501.55
		For Class 52 Rating, Deduct	*-1,256.05*	
		For Class 54 Rating, Add	*1,740.10*	
		For Class 55 Rating, Add	*2,600.97*	
		For Class 56 Rating, Add	*3,450.41*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,319.01	1,505.11
		For Class 52 Rating, Deduct	*-1,324.24*	
		For Class 54 Rating, Add	*1,833.15*	
		For Class 55 Rating, Add	*2,739.33*	
		For Class 56 Rating, Add	*3,633.47*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,944.27	1,508.66
		For Class 52 Rating, Deduct	*-1,392.43*	
		For Class 54 Rating, Add	*1,926.19*	
		For Class 55 Rating, Add	*2,877.69*	
		For Class 56 Rating, Add	*3,816.52*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,569.53	1,512.22
		For Class 52 Rating, Deduct	*-1,460.61*	
		For Class 54 Rating, Add	*2,019.24*	
		For Class 55 Rating, Add	*3,016.05*	
		For Class 56 Rating, Add	*3,999.58*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,194.79	1,515.78
		For Class 52 Rating, Deduct	*-1,528.80*	
		For Class 54 Rating, Add	*2,112.28*	
		For Class 55 Rating, Add	*3,154.41*	
		For Class 56 Rating, Add	*4,182.64*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,820.06	1,519.33
		For Class 52 Rating, Deduct	*-1,596.98*	
		For Class 54 Rating, Add	*2,205.33*	
		For Class 55 Rating, Add	*3,292.77*	
		For Class 56 Rating, Add	*4,365.69*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,445.33	1,522.89
		For Class 52 Rating, Deduct	*-1,665.17*	
		For Class 54 Rating, Add	*2,298.38*	
		For Class 55 Rating, Add	*3,431.13*	
		For Class 56 Rating, Add	*4,548.75*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,070.59	1,526.46
		For Class 52 Rating, Deduct	*-1,733.36*	
		For Class 54 Rating, Add	*2,391.42*	
		For Class 55 Rating, Add	*3,569.49*	
		For Class 56 Rating, Add	*4,731.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,695.84	1,530.01
		For Class 52 Rating, Deduct	*-1,801.54*	
		For Class 54 Rating, Add	*2,484.47*	
		For Class 55 Rating, Add	*3,707.85*	
		For Class 56 Rating, Add	*4,914.86*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,321.11	1,533.57
		For Class 52 Rating, Deduct	*-1,869.73*	
		For Class 54 Rating, Add	*2,577.51*	
		For Class 55 Rating, Add	*3,846.21*	
		For Class 56 Rating, Add	*5,097.92*	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,946.37	1,537.12
		For Class 52 Rating, Deduct	*-1,937.91*	
		For Class 54 Rating, Add	*2,670.56*	
		For Class 55 Rating, Add	*3,984.57*	
		For Class 56 Rating, Add	*5,280.97*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,571.63	1,540.69
		For Class 52 Rating, Deduct	*-2,006.10*	
		For Class 54 Rating, Add	*2,763.60*	
		For Class 55 Rating, Add	*4,122.93*	
		For Class 56 Rating, Add	*5,464.03*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,196.89	1,544.23
		For Class 52 Rating, Deduct	*-2,074.28*	
		For Class 54 Rating, Add	*2,856.65*	
		For Class 55 Rating, Add	*4,261.29*	
		For Class 56 Rating, Add	*5,647.08*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,822.16	1,547.80
		For Class 52 Rating, Deduct	*-2,142.47*	
		For Class 54 Rating, Add	*2,949.69*	
		For Class 55 Rating, Add	*4,399.66*	
		For Class 56 Rating, Add	*5,830.14*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,447.43	1,551.36
		For Class 52 Rating, Deduct	*-2,210.66*	
		For Class 54 Rating, Add	*3,042.74*	
		For Class 55 Rating, Add	*4,538.02*	
		For Class 56 Rating, Add	*6,013.20*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,072.68	1,554.92
		For Class 52 Rating, Deduct	*-2,278.84*	
		For Class 54 Rating, Add	*3,135.78*	
		For Class 55 Rating, Add	*4,676.38*	
		For Class 56 Rating, Add	*6,196.25*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,697.95	1,558.47
		For Class 52 Rating, Deduct	*-2,347.03*	
		For Class 54 Rating, Add	*3,228.83*	
		For Class 55 Rating, Add	*4,814.74*	
		For Class 56 Rating, Add	*6,379.31*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,323.21	1,562.03
		For Class 52 Rating, Deduct	*-2,415.21*	
		For Class 54 Rating, Add	*3,321.87*	
		For Class 55 Rating, Add	*4,953.10*	
		For Class 56 Rating, Add	*6,562.37*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,948.46	1,565.60
		For Class 52 Rating, Deduct	*-2,483.40*	
		For Class 54 Rating, Add	*3,414.92*	
		For Class 55 Rating, Add	*5,091.46*	
		For Class 56 Rating, Add	*6,745.42*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,573.73	1,569.16
		For Class 52 Rating, Deduct	*-2,551.59*	
		For Class 54 Rating, Add	*3,507.96*	
		For Class 55 Rating, Add	*5,229.82*	
		For Class 56 Rating, Add	*6,928.48*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,198.99	1,572.71
		For Class 52 Rating, Deduct	*-2,619.77*	
		For Class 54 Rating, Add	*3,601.01*	
		For Class 55 Rating, Add	*5,368.18*	
		For Class 56 Rating, Add	*7,111.53*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,824.27	1,576.26
		For Class 52 Rating, Deduct	*-2,687.96*	
		For Class 54 Rating, Add	*3,694.06*	
		For Class 55 Rating, Add	*5,506.54*	
		For Class 56 Rating, Add	*7,294.59*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,449.52	1,579.83
		For Class 52 Rating, Deduct	*-2,756.14*	
		For Class 54 Rating, Add	*3,787.10*	
		For Class 55 Rating, Add	*5,644.90*	
		For Class 56 Rating, Add	*7,477.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,074.78	1,583.37
		For Class 52 Rating, Deduct	*-2,824.33*	
		For Class 54 Rating, Add	*3,880.15*	
		For Class 55 Rating, Add	*5,783.26*	
		For Class 56 Rating, Add	*7,660.70*	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,700.05	1,586.94
		For Class 52 Rating, Deduct	*-2,892.51*	
		For Class 54 Rating, Add	*3,973.19*	
		For Class 55 Rating, Add	*5,921.62*	
		For Class 56 Rating, Add	*7,843.76*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,325.31	1,590.50
		For Class 52 Rating, Deduct	*-2,960.70*	
		For Class 54 Rating, Add	*4,066.24*	
		For Class 55 Rating, Add	*6,059.98*	
		For Class 56 Rating, Add	*8,026.82*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,950.57	1,594.06
		For Class 52 Rating, Deduct	*-3,028.89*	
		For Class 54 Rating, Add	*4,159.28*	
		For Class 55 Rating, Add	*6,198.34*	
		For Class 56 Rating, Add	*8,209.87*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,575.83	1,597.61
		For Class 52 Rating, Deduct	*-3,097.07*	
		For Class 54 Rating, Add	*4,252.33*	
		For Class 55 Rating, Add	*6,336.70*	
		For Class 56 Rating, Add	*8,392.93*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,247.62	1,857.36
		For Class 52 Rating, Deduct	*-817.68*	
		For Class 54 Rating, Add	*1,148.79*	
		For Class 55 Rating, Add	*1,725.20*	
		For Class 56 Rating, Add	*2,294.18*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,096.24	1,860.93
		For Class 52 Rating, Deduct	*-910.43*	
		For Class 54 Rating, Add	*1,275.33*	
		For Class 55 Rating, Add	*1,913.37*	
		For Class 56 Rating, Add	*2,543.12*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,944.86	1,864.47
		For Class 52 Rating, Deduct	*-1,003.19*	
		For Class 54 Rating, Add	*1,401.88*	
		For Class 55 Rating, Add	*2,101.53*	
		For Class 56 Rating, Add	*2,792.07*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,793.46	1,868.04
		For Class 52 Rating, Deduct	*-1,095.94*	
		For Class 54 Rating, Add	*1,528.43*	
		For Class 55 Rating, Add	*2,289.70*	
		For Class 56 Rating, Add	*3,041.01*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,642.09	1,871.60
		For Class 52 Rating, Deduct	*-1,188.70*	
		For Class 54 Rating, Add	*1,654.98*	
		For Class 55 Rating, Add	*2,477.87*	
		For Class 56 Rating, Add	*3,289.96*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,490.70	1,875.15
		For Class 52 Rating, Deduct	*-1,281.45*	
		For Class 54 Rating, Add	*1,781.53*	
		For Class 55 Rating, Add	*2,666.04*	
		For Class 56 Rating, Add	*3,538.90*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,339.32	1,878.71
		For Class 52 Rating, Deduct	*-1,374.21*	
		For Class 54 Rating, Add	*1,908.08*	
		For Class 55 Rating, Add	*2,854.21*	
		For Class 56 Rating, Add	*3,787.85*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,187.93	1,882.27
		For Class 52 Rating, Deduct	*-1,466.96*	
		For Class 54 Rating, Add	*2,034.62*	
		For Class 55 Rating, Add	*3,042.38*	
		For Class 56 Rating, Add	*4,036.79*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,036.55	1,885.84
		For Class 52 Rating, Deduct	*-1,559.72*	
		For Class 54 Rating, Add	*2,161.17*	
		For Class 55 Rating, Add	*3,230.55*	
		For Class 56 Rating, Add	*4,285.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,885.18	1,889.38
		For Class 52 Rating, Deduct	*-1,652.47*	
		For Class 54 Rating, Add	*2,287.72*	
		For Class 55 Rating, Add	*3,418.72*	
		For Class 56 Rating, Add	*4,534.69*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,733.78	1,892.95
		For Class 52 Rating, Deduct	*-1,745.23*	
		For Class 54 Rating, Add	*2,414.27*	
		For Class 55 Rating, Add	*3,606.88*	
		For Class 56 Rating, Add	*4,783.63*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,582.40	1,896.50
		For Class 52 Rating, Deduct	*-1,837.98*	
		For Class 54 Rating, Add	*2,540.82*	
		For Class 55 Rating, Add	*3,795.05*	
		For Class 56 Rating, Add	*5,032.58*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,431.02	1,900.05
		For Class 52 Rating, Deduct	*-1,930.74*	
		For Class 54 Rating, Add	*2,667.37*	
		For Class 55 Rating, Add	*3,983.22*	
		For Class 56 Rating, Add	*5,281.52*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,279.64	1,903.61
		For Class 52 Rating, Deduct	*-2,023.49*	
		For Class 54 Rating, Add	*2,793.92*	
		For Class 55 Rating, Add	*4,171.39*	
		For Class 56 Rating, Add	*5,530.47*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,128.25	1,907.18
		For Class 52 Rating, Deduct	*-2,116.24*	
		For Class 54 Rating, Add	*2,920.46*	
		For Class 55 Rating, Add	*4,359.56*	
		For Class 56 Rating, Add	*5,779.41*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,976.87	1,910.74
		For Class 52 Rating, Deduct	*-2,209.00*	
		For Class 54 Rating, Add	*3,047.01*	
		For Class 55 Rating, Add	*4,547.73*	
		For Class 56 Rating, Add	*6,028.36*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,825.48	1,914.29
		For Class 52 Rating, Deduct	*-2,301.75*	
		For Class 54 Rating, Add	*3,173.56*	
		For Class 55 Rating, Add	*4,735.89*	
		For Class 56 Rating, Add	*6,277.30*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,674.10	1,917.84
		For Class 52 Rating, Deduct	*-2,394.51*	
		For Class 54 Rating, Add	*3,300.11*	
		For Class 55 Rating, Add	*4,924.06*	
		For Class 56 Rating, Add	*6,526.25*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,522.72	1,921.41
		For Class 52 Rating, Deduct	*-2,487.27*	
		For Class 54 Rating, Add	*3,426.66*	
		For Class 55 Rating, Add	*5,112.23*	
		For Class 56 Rating, Add	*6,775.20*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,371.34	1,924.98
		For Class 52 Rating, Deduct	*-2,580.02*	
		For Class 54 Rating, Add	*3,553.21*	
		For Class 55 Rating, Add	*5,300.40*	
		For Class 56 Rating, Add	*7,024.14*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,219.96	1,928.52
		For Class 52 Rating, Deduct	*-2,672.77*	
		For Class 54 Rating, Add	*3,679.76*	
		For Class 55 Rating, Add	*5,488.57*	
		For Class 56 Rating, Add	*7,273.09*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,068.56	1,932.09
		For Class 52 Rating, Deduct	*-2,765.53*	
		For Class 54 Rating, Add	*3,806.30*	
		For Class 55 Rating, Add	*5,676.74*	
		For Class 56 Rating, Add	*7,522.03*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,917.19	1,935.64
		For Class 52 Rating, Deduct	*-2,858.28*	
		For Class 54 Rating, Add	*3,932.85*	
		For Class 55 Rating, Add	*5,864.91*	
		For Class 56 Rating, Add	*7,770.98*	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,765.80	1,939.20
		For Class 52 Rating, Deduct	*-2,951.04*	
		For Class 54 Rating, Add	*4,059.40*	
		For Class 55 Rating, Add	*6,053.08*	
		For Class 56 Rating, Add	*8,019.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,614.42	1,942.75
		For Class 52 Rating, Deduct	*-3,043.79*	
		For Class 54 Rating, Add	*4,185.95*	
		For Class 55 Rating, Add	*6,241.25*	
		For Class 56 Rating, Add	*8,268.87*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,463.04	1,946.32
		For Class 52 Rating, Deduct	*-3,136.55*	
		For Class 54 Rating, Add	*4,312.50*	
		For Class 55 Rating, Add	*6,429.41*	
		For Class 56 Rating, Add	*8,517.82*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,311.65	1,949.88
		For Class 52 Rating, Deduct	*-3,229.30*	
		For Class 54 Rating, Add	*4,439.05*	
		For Class 55 Rating, Add	*6,617.58*	
		For Class 56 Rating, Add	*8,766.76*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,160.28	1,953.43
		For Class 52 Rating, Deduct	*-3,322.06*	
		For Class 54 Rating, Add	*4,565.60*	
		For Class 55 Rating, Add	*6,805.75*	
		For Class 56 Rating, Add	*9,015.71*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,008.88	1,956.99
		For Class 52 Rating, Deduct	*-3,414.81*	
		For Class 54 Rating, Add	*4,692.14*	
		For Class 55 Rating, Add	*6,993.92*	
		For Class 56 Rating, Add	*9,264.65*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,857.51	1,960.55
		For Class 52 Rating, Deduct	*-3,507.57*	
		For Class 54 Rating, Add	*4,818.69*	
		For Class 55 Rating, Add	*7,182.09*	
		For Class 56 Rating, Add	*9,513.60*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,706.12	1,964.10
		For Class 52 Rating, Deduct	*-3,600.32*	
		For Class 54 Rating, Add	*4,945.24*	
		For Class 55 Rating, Add	*7,370.26*	
		For Class 56 Rating, Add	*9,762.54*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,554.74	1,967.66
		For Class 52 Rating, Deduct	*-3,693.08*	
		For Class 54 Rating, Add	*5,071.79*	
		For Class 55 Rating, Add	*7,558.43*	
		For Class 56 Rating, Add	*10,011.49*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,403.35	1,971.22
		For Class 52 Rating, Deduct	*-3,785.83*	
		For Class 54 Rating, Add	*5,198.34*	
		For Class 55 Rating, Add	*7,746.59*	
		For Class 56 Rating, Add	*10,260.43*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,251.97	1,974.79
		For Class 52 Rating, Deduct	*-3,878.59*	
		For Class 54 Rating, Add	*5,324.89*	
		For Class 55 Rating, Add	*7,934.76*	
		For Class 56 Rating, Add	*10,509.38*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,100.60	1,978.33
		For Class 52 Rating, Deduct	*-3,971.34*	
		For Class 54 Rating, Add	*5,451.44*	
		For Class 55 Rating, Add	*8,122.93*	
		For Class 56 Rating, Add	*10,758.33*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,949.20	1,981.90
		For Class 52 Rating, Deduct	*-4,064.10*	
		For Class 54 Rating, Add	*5,577.98*	
		For Class 55 Rating, Add	*8,311.10*	
		For Class 56 Rating, Add	*11,007.27*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,797.82	1,985.46
		For Class 52 Rating, Deduct	*-4,156.85*	
		For Class 54 Rating, Add	*5,704.53*	
		For Class 55 Rating, Add	*8,499.27*	
		For Class 56 Rating, Add	*11,256.22*	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,646.44	1,989.01
		For Class 52 Rating, Deduct	*-4,249.61*	
		For Class 54 Rating, Add	*5,831.08*	
		For Class 55 Rating, Add	*8,687.44*	
		For Class 56 Rating, Add	*11,505.16*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,513.00	2,341.28
		For Class 52 Rating, Deduct	*-1,096.22*	
		For Class 54 Rating, Add	*1,537.41*	
		For Class 55 Rating, Add	*2,307.47*	
		For Class 56 Rating, Add	*3,067.56*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,778.22	2,344.82
		For Class 52 Rating, Deduct	*-1,234.80*	
		For Class 54 Rating, Add	*1,726.45*	
		For Class 55 Rating, Add	*2,588.54*	
		For Class 56 Rating, Add	*3,439.40*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,028.36	2,348.39
		For Class 52 Rating, Deduct	*-1,371.72*	
		For Class 54 Rating, Add	*1,913.23*	
		For Class 55 Rating, Add	*2,866.25*	
		For Class 56 Rating, Add	*3,806.80*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,291.07	2,351.94
		For Class 52 Rating, Deduct	*-1,510.03*	
		For Class 54 Rating, Add	*2,101.89*	
		For Class 55 Rating, Add	*3,146.76*	
		For Class 56 Rating, Add	*4,177.90*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,541.22	2,355.51
		For Class 52 Rating, Deduct	*-1,646.95*	
		For Class 54 Rating, Add	*2,288.67*	
		For Class 55 Rating, Add	*3,424.47*	
		For Class 56 Rating, Add	*4,545.30*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,806.42	2,359.05
		For Class 52 Rating, Deduct	*-1,785.53*	
		For Class 54 Rating, Add	*2,477.71*	
		For Class 55 Rating, Add	*3,705.54*	
		For Class 56 Rating, Add	*4,917.14*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,054.07	2,362.62
		For Class 52 Rating, Deduct	*-1,922.18*	
		For Class 54 Rating, Add	*2,664.11*	
		For Class 55 Rating, Add	*3,982.69*	
		For Class 56 Rating, Add	*5,283.80*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,319.28	2,366.19
		For Class 52 Rating, Deduct	*-2,060.76*	
		For Class 54 Rating, Add	*2,853.15*	
		For Class 55 Rating, Add	*4,263.76*	
		For Class 56 Rating, Add	*5,655.64*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,569.45	2,369.74
		For Class 52 Rating, Deduct	*-2,197.68*	
		For Class 54 Rating, Add	*3,039.93*	
		For Class 55 Rating, Add	*4,541.47*	
		For Class 56 Rating, Add	*6,023.04*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,832.14	2,373.29
		For Class 52 Rating, Deduct	*-2,335.99*	
		For Class 54 Rating, Add	*3,228.59*	
		For Class 55 Rating, Add	*4,821.98*	
		For Class 56 Rating, Add	*6,394.14*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,082.29	2,376.85
		For Class 52 Rating, Deduct	*-2,472.91*	
		For Class 54 Rating, Add	*3,415.37*	
		For Class 55 Rating, Add	*5,099.69*	
		For Class 56 Rating, Add	*6,761.54*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,345.00	2,380.42
		For Class 52 Rating, Deduct	*-2,611.21*	
		For Class 54 Rating, Add	*3,604.03*	
		For Class 55 Rating, Add	*5,380.20*	
		For Class 56 Rating, Add	*7,132.64*	
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,595.14	2,383.96
		For Class 52 Rating, Deduct	*-2,748.14*	
		For Class 54 Rating, Add	*3,790.81*	
		For Class 55 Rating, Add	*5,657.91*	
		For Class 56 Rating, Add	*7,500.04*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,847.80	2,387.53
		For Class 52 Rating, Deduct	*-2,885.34*	
		For Class 54 Rating, Add	*3,977.96*	
		For Class 55 Rating, Add	*5,936.18*	
		For Class 56 Rating, Add	*7,868.18*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,108.00	2,391.08
		For Class 52 Rating, Deduct	*-3,023.37*	
		For Class 54 Rating, Add	*4,166.25*	
		For Class 55 Rating, Add	*6,216.13*	
		For Class 56 Rating, Add	*8,238.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,358.15	2,394.65
		For Class 52 Rating, Deduct	*-3,160.29*	
		For Class 54 Rating, Add	*4,353.02*	
		For Class 55 Rating, Add	*6,493.85*	
		For Class 56 Rating, Add	*8,605.94*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,623.36	2,398.19
		For Class 52 Rating, Deduct	*-3,298.87*	
		For Class 54 Rating, Add	*4,542.06*	
		For Class 55 Rating, Add	*6,774.91*	
		For Class 56 Rating, Add	*8,977.78*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,873.51	2,401.76
		For Class 52 Rating, Deduct	*-3,435.79*	
		For Class 54 Rating, Add	*4,728.84*	
		For Class 55 Rating, Add	*7,052.63*	
		For Class 56 Rating, Add	*9,345.18*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,136.21	2,405.32
		For Class 52 Rating, Deduct	*-3,574.10*	
		For Class 54 Rating, Add	*4,917.50*	
		For Class 55 Rating, Add	*7,333.14*	
		For Class 56 Rating, Add	*9,716.28*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,386.36	2,408.87
		For Class 52 Rating, Deduct	*-3,711.02*	
		For Class 54 Rating, Add	*5,104.28*	
		For Class 55 Rating, Add	*7,610.85*	
		For Class 56 Rating, Add	*10,083.68*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,651.57	2,412.44
		For Class 52 Rating, Deduct	*-3,849.60*	
		For Class 54 Rating, Add	*5,293.32*	
		For Class 55 Rating, Add	*7,891.92*	
		For Class 56 Rating, Add	*10,455.52*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,901.73	2,415.99
		For Class 52 Rating, Deduct	*-3,986.52*	
		For Class 54 Rating, Add	*5,480.10*	
		For Class 55 Rating, Add	*8,169.63*	
		For Class 56 Rating, Add	*10,822.91*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,164.43	2,419.56
		For Class 52 Rating, Deduct	*-4,124.83*	
		For Class 54 Rating, Add	*5,668.76*	
		For Class 55 Rating, Add	*8,450.14*	
		For Class 56 Rating, Add	*11,194.02*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,414.57	2,423.10
		For Class 52 Rating, Deduct	*-4,261.75*	
		For Class 54 Rating, Add	*5,855.54*	
		For Class 55 Rating, Add	*8,727.85*	
		For Class 56 Rating, Add	*11,561.41*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,679.79	2,426.67
		For Class 52 Rating, Deduct	*-4,400.33*	
		For Class 54 Rating, Add	*6,044.57*	
		For Class 55 Rating, Add	*9,008.92*	
		For Class 56 Rating, Add	*11,933.25*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,929.95	2,430.23
		For Class 52 Rating, Deduct	*-4,537.26*	
		For Class 54 Rating, Add	*6,231.35*	
		For Class 55 Rating, Add	*9,286.63*	
		For Class 56 Rating, Add	*12,300.66*	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,190.14	2,433.78
		For Class 52 Rating, Deduct	*-4,675.28*	
		For Class 54 Rating, Add	*6,419.64*	
		For Class 55 Rating, Add	*9,566.58*	
		For Class 56 Rating, Add	*12,671.02*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,442.80	2,437.34
		For Class 52 Rating, Deduct	*-4,812.48*	
		For Class 54 Rating, Add	*6,606.79*	
		For Class 55 Rating, Add	*9,844.85*	
		For Class 56 Rating, Add	*13,039.15*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,441.99	2,440.90
		For Class 52 Rating, Deduct	*-4,921.80*	
		For Class 54 Rating, Add	*6,755.93*	
		For Class 55 Rating, Add	*10,066.60*	
		For Class 56 Rating, Add	*13,332.52*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,955.66	2,444.46
		For Class 52 Rating, Deduct	*-5,087.71*	
		For Class 54 Rating, Add	*6,982.23*	
		For Class 55 Rating, Add	*10,403.07*	
		For Class 56 Rating, Add	*13,777.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,205.80	2,448.01
		For Class 52 Rating, Deduct	*-5,224.64*	
		For Class 54 Rating, Add	*7,169.01*	
		For Class 55 Rating, Add	*10,680.78*	
		For Class 56 Rating, Add	*14,145.05*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,468.51	2,451.57
		For Class 52 Rating, Deduct	*-5,362.94*	
		For Class 54 Rating, Add	*7,357.67*	
		For Class 55 Rating, Add	*10,961.29*	
		For Class 56 Rating, Add	*14,516.15*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,718.66	2,455.14
		For Class 52 Rating, Deduct	*-5,499.86*	
		For Class 54 Rating, Add	*7,544.45*	
		For Class 55 Rating, Add	*11,239.00*	
		For Class 56 Rating, Add	*14,883.55*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,983.86	2,458.70
		For Class 52 Rating, Deduct	*-5,638.44*	
		For Class 54 Rating, Add	*7,733.49*	
		For Class 55 Rating, Add	*11,520.07*	
		For Class 56 Rating, Add	*15,255.39*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,231.51	2,462.25
		For Class 52 Rating, Deduct	*-5,775.09*	
		For Class 54 Rating, Add	*7,919.89*	
		For Class 55 Rating, Add	*11,797.22*	
		For Class 56 Rating, Add	*15,622.05*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,496.72	2,465.81
		For Class 52 Rating, Deduct	*-5,913.67*	
		For Class 54 Rating, Add	*8,108.93*	
		For Class 55 Rating, Add	*12,078.29*	
		For Class 56 Rating, Add	*15,993.89*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,746.88	2,469.37
		For Class 52 Rating, Deduct	*-6,050.60*	
		For Class 54 Rating, Add	*8,295.71*	
		For Class 55 Rating, Add	*12,356.00*	
		For Class 56 Rating, Add	*16,361.29*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,009.57	2,472.92
		For Class 52 Rating, Deduct	*-6,188.90*	
		For Class 54 Rating, Add	*8,484.37*	
		For Class 55 Rating, Add	*12,636.51*	
		For Class 56 Rating, Add	*16,732.39*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,418.06	2,942.60
		For Class 52 Rating, Deduct	*-1,425.55*	
		For Class 54 Rating, Add	*1,997.44*	
		For Class 55 Rating, Add	*2,996.99*	
		For Class 56 Rating, Add	*3,983.58*	
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,257.97	2,946.16
		For Class 52 Rating, Deduct	*-1,627.35*	
		For Class 54 Rating, Add	*2,272.68*	
		For Class 55 Rating, Add	*3,406.22*	
		For Class 56 Rating, Add	*4,524.96*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,095.36	2,949.72
		For Class 52 Rating, Deduct	*-1,828.87*	
		For Class 54 Rating, Add	*2,547.55*	
		For Class 55 Rating, Add	*3,814.88*	
		For Class 56 Rating, Add	*5,065.59*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,947.83	2,953.29
		For Class 52 Rating, Deduct	*-2,032.05*	
		For Class 54 Rating, Add	*2,824.67*	
		For Class 55 Rating, Add	*4,226.91*	
		For Class 56 Rating, Add	*5,610.67*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,787.73	2,956.83
		For Class 52 Rating, Deduct	*-2,233.84*	
		For Class 54 Rating, Add	*3,099.91*	
		For Class 55 Rating, Add	*4,636.13*	
		For Class 56 Rating, Add	*6,152.05*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,627.65	2,960.39
		For Class 52 Rating, Deduct	*-2,435.64*	
		For Class 54 Rating, Add	*3,375.16*	
		For Class 55 Rating, Add	*5,045.36*	
		For Class 56 Rating, Add	*6,693.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,477.59	2,963.95
		For Class 52 Rating, Deduct	*-2,638.54*	
		For Class 54 Rating, Add	*3,651.90*	
		For Class 55 Rating, Add	*5,456.83*	
		For Class 56 Rating, Add	*7,237.76*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,320.00	2,967.50
		For Class 52 Rating, Deduct	*-2,840.62*	
		For Class 54 Rating, Add	*3,927.52*	
		For Class 55 Rating, Add	*5,866.61*	
		For Class 56 Rating, Add	*7,779.88*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,157.41	2,971.06
		For Class 52 Rating, Deduct	*-3,042.14*	
		For Class 54 Rating, Add	*4,202.39*	
		For Class 55 Rating, Add	*6,275.28*	
		For Class 56 Rating, Add	*8,320.52*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,009.86	2,974.63
		For Class 52 Rating, Deduct	*-3,245.31*	
		For Class 54 Rating, Add	*4,479.51*	
		For Class 55 Rating, Add	*6,687.31*	
		For Class 56 Rating, Add	*8,865.60*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,849.78	2,978.18
		For Class 52 Rating, Deduct	*-3,447.11*	
		For Class 54 Rating, Add	*4,754.76*	
		For Class 55 Rating, Add	*7,096.53*	
		For Class 56 Rating, Add	*9,406.97*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,702.23	2,981.74
		For Class 52 Rating, Deduct	*-3,650.29*	
		For Class 54 Rating, Add	*5,031.88*	
		For Class 55 Rating, Add	*7,508.56*	
		For Class 56 Rating, Add	*9,952.05*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,539.63	2,985.29
		For Class 52 Rating, Deduct	*-3,851.81*	
		For Class 54 Rating, Add	*5,306.75*	
		For Class 55 Rating, Add	*7,917.22*	
		For Class 56 Rating, Add	*10,492.69*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,379.54	2,988.86
		For Class 52 Rating, Deduct	*-4,053.61*	
		For Class 54 Rating, Add	*5,581.99*	
		For Class 55 Rating, Add	*8,326.45*	
		For Class 56 Rating, Add	*11,034.06*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,231.99	2,992.43
		For Class 52 Rating, Deduct	*-4,256.78*	
		For Class 54 Rating, Add	*5,859.11*	
		For Class 55 Rating, Add	*8,738.48*	
		For Class 56 Rating, Add	*11,579.14*	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,071.91	2,995.97
		For Class 52 Rating, Deduct	*-4,458.58*	
		For Class 54 Rating, Add	*6,134.35*	
		For Class 55 Rating, Add	*9,147.70*	
		For Class 56 Rating, Add	*12,120.52*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,909.30	2,999.54
		For Class 52 Rating, Deduct	*-4,660.10*	
		For Class 54 Rating, Add	*6,409.22*	
		For Class 55 Rating, Add	*9,556.37*	
		For Class 56 Rating, Add	*12,661.16*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,761.75	3,003.09
		For Class 52 Rating, Deduct	*-4,863.28*	
		For Class 54 Rating, Add	*6,686.34*	
		For Class 55 Rating, Add	*9,968.39*	
		For Class 56 Rating, Add	*13,206.23*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,601.67	3,006.65
		For Class 52 Rating, Deduct	*-5,065.08*	
		For Class 54 Rating, Add	*6,961.59*	
		For Class 55 Rating, Add	*10,377.62*	
		For Class 56 Rating, Add	*13,747.61*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,439.07	3,010.20
		For Class 52 Rating, Deduct	*-5,266.60*	
		For Class 54 Rating, Add	*7,236.45*	
		For Class 55 Rating, Add	*10,786.29*	
		For Class 56 Rating, Add	*14,288.25*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,291.52	3,013.77
		For Class 52 Rating, Deduct	*-5,469.77*	
		For Class 54 Rating, Add	*7,513.58*	
		For Class 55 Rating, Add	*11,198.31*	
		For Class 56 Rating, Add	*14,833.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,133.94	3,017.33
		For Class 52 Rating, Deduct	*-5,671.85*	
		For Class 54 Rating, Add	*7,789.20*	
		For Class 55 Rating, Add	*11,608.10*	
		For Class 56 Rating, Add	*15,375.44*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,971.34	3,020.88
		For Class 52 Rating, Deduct	*-5,873.37*	
		For Class 54 Rating, Add	*8,064.06*	
		For Class 55 Rating, Add	*12,016.77*	
		For Class 56 Rating, Add	*15,916.08*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,823.80	3,024.44
		For Class 52 Rating, Deduct	*-6,076.55*	
		For Class 54 Rating, Add	*8,341.19*	
		For Class 55 Rating, Add	*12,428.79*	
		For Class 56 Rating, Add	*16,461.16*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,663.70	3,028.00
		For Class 52 Rating, Deduct	*-6,278.34*	
		For Class 54 Rating, Add	*8,616.43*	
		For Class 55 Rating, Add	*12,838.02*	
		For Class 56 Rating, Add	*17,002.53*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,501.11	3,031.55
		For Class 52 Rating, Deduct	*-6,479.86*	
		For Class 54 Rating, Add	*8,891.30*	
		For Class 55 Rating, Add	*13,246.69*	
		For Class 56 Rating, Add	*17,543.17*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,353.57	3,035.11
		For Class 52 Rating, Deduct	*-6,683.04*	
		For Class 54 Rating, Add	*9,168.42*	
		For Class 55 Rating, Add	*13,658.71*	
		For Class 56 Rating, Add	*18,088.25*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,193.46	3,038.67
		For Class 52 Rating, Deduct	*-6,884.84*	
		For Class 54 Rating, Add	*9,443.66*	
		For Class 55 Rating, Add	*14,067.94*	
		For Class 56 Rating, Add	*18,629.62*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,807.52	3,042.24
		For Class 52 Rating, Deduct	*-7,061.79*	
		For Class 54 Rating, Add	*9,685.03*	
		For Class 55 Rating, Add	*14,426.80*	
		For Class 56 Rating, Add	*19,104.37*	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,885.84	3,045.78
		For Class 52 Rating, Deduct	*-7,289.81*	
		For Class 54 Rating, Add	*9,996.03*	
		For Class 55 Rating, Add	*14,889.19*	
		For Class 56 Rating, Add	*19,716.08*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,723.24	3,049.35
		For Class 52 Rating, Deduct	*-7,491.33*	
		For Class 54 Rating, Add	*10,270.90*	
		For Class 55 Rating, Add	*15,297.86*	
		For Class 56 Rating, Add	*20,256.72*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,578.20	3,052.91
		For Class 52 Rating, Deduct	*-7,694.78*	
		For Class 54 Rating, Add	*10,548.40*	
		For Class 55 Rating, Add	*15,710.44*	
		For Class 56 Rating, Add	*20,802.54*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,415.60	3,056.45
		For Class 52 Rating, Deduct	*-7,896.31*	
		For Class 54 Rating, Add	*10,823.26*	
		For Class 55 Rating, Add	*16,119.11*	
		For Class 56 Rating, Add	*21,343.17*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,253.01	3,060.02
		For Class 52 Rating, Deduct	*-8,097.83*	
		For Class 54 Rating, Add	*11,098.13*	
		For Class 55 Rating, Add	*16,527.78*	
		For Class 56 Rating, Add	*21,883.81*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,107.96	3,063.58
		For Class 52 Rating, Deduct	*-8,301.28*	
		For Class 54 Rating, Add	*11,375.63*	
		For Class 55 Rating, Add	*16,940.36*	
		For Class 56 Rating, Add	*22,429.63*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,945.37	3,067.15
		For Class 52 Rating, Deduct	*-8,502.80*	
		For Class 54 Rating, Add	*11,650.49*	
		For Class 55 Rating, Add	*17,349.03*	
		For Class 56 Rating, Add	*22,970.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,785.28	3,070.69
		For Class 52 Rating, Deduct	*-8,704.60*	
		For Class 54 Rating, Add	*11,925.74*	
		For Class 55 Rating, Add	*17,758.26*	
		For Class 56 Rating, Add	*23,511.64*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,637.73	3,074.25
		For Class 52 Rating, Deduct	*-8,907.77*	
		For Class 54 Rating, Add	*12,202.86*	
		For Class 55 Rating, Add	*18,170.28*	
		For Class 56 Rating, Add	*24,056.72*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	464.96	171.66
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	649.63	219.53
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	898.63	248.65
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,306.07	315.24
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,609.31	349.57
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,995.96	379.74
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,458.93	468.18
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,216.90	561.81
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,965.45	707.47
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,983.99	801.11
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,013.31	1,061.21
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	14,140.97	1,201.66
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,570.61	1,373.33
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	31,358.83	1,685.45

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	442.53	171.66
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	613.74	219.53
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	807.41	248.65
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,174.48	315.24
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,441.83	349.57
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,655.02	379.74
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,082.10	468.18
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,709.97	561.81
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,503.39	707.47
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,590.31	801.11
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,993.47	1,061.21
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,396.28	1,201.66
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	20,369.04	1,373.33
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,737.07	1,685.45

40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	441.04	171.66
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	601.77	219.53
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	796.95	248.65
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,144.57	315.24
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,507.63	349.57
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,862.87	379.74
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,128.46	468.18
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,766.80	561.81
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,750.12	707.47
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,152.57	801.11
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,093.66	1,061.21
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,626.57	1,201.66
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,828.12	1,373.33
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	28,335.21	1,685.45

40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	478.42	171.66
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	672.06	219.53
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	826.85	248.65
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,250.74	315.24
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,703.52	349.57
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,913.72	379.74
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,340.80	468.18
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,766.80	561.81
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,750.12	707.47
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,354.44	801.11
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,193.85	1,061.21
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,725.26	1,201.66
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,932.79	1,373.33
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,546.06	1,685.45

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	611.87	195.60
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	749.09	210.16
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	843.67	234.09
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,113.56	243.45
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,178.23	267.38
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,285.54	281.95
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,197.18	261.14
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,347.08	285.07
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,542.61	299.64
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,646.89	332.93
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,542.61	299.64
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,705.25	314.20
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,899.24	347.49
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,098.01	365.18
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,778.58	343.85
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,915.79	358.41
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,195.03	391.71
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,391.51	408.88
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,557.93	423.97
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,078.31	390.67
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,472.72	405.24
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,551.57	438.52
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,692.74	455.69
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,915.98	470.78
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,180.35	515.00
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,673.15	463.50
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,849.25	478.06
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,514.28	511.36
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,646.47	528.53
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,013.24	543.60
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,938.19	587.83
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,194.55	634.64
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,728.03	510.32
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,905.63	524.89
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,201.31	558.17
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,412.73	575.34
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,804.95	590.43
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,178.50	634.64
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,310.74	681.46
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,575.96	673.93
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,607.58	705.39
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,026.71	720.48
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,910.18	764.69
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,177.40	811.52
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,599.17	884.34
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,193.49	931.15
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,057.22	775.62
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,682.00	790.70
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,543.34	834.92
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,413.60	881.74
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,900.38	954.56
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,965.73	1,001.39
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,847.64	1,131.43
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,909.35	876.54
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,459.64	920.75
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,066.01	967.57
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,798.03	1,040.40
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,576.58	1,087.22
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,339.67	1,217.26
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,797.26	1,287.50
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,695.74	1,256.28
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,862.17	1,386.34
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,656.43	1,456.56
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	35,291.69	1,542.39
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	547.21	171.66
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	833.56	219.53
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,206.67	248.65
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,706.83	315.24
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,388.39	349.57
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,778.04	379.74
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,598.40	468.18
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,453.56	561.81
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,058.96	707.47
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,846.11	801.11
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,490.81	1,061.21
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,485.48	1,201.66
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	36,303.60	1,373.33

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	575.62	171.66
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	778.23	219.53
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,245.55	248.65
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,678.41	315.24
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,237.36	349.57
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,634.48	379.74
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,254.46	468.18
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,082.71	561.81
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,380.06	707.47
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,554.12	801.11
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,325.14	1,061.21
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,550.39	1,201.66
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	32,397.72	1,373.33
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,982.09	1,685.45
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	791.57	275.70
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	980.45	339.17
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,352.88	378.70
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,929.95	492.11
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,536.05	536.84
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,361.66	577.42
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,826.51	728.27
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,652.57	832.32
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,868.86	1,050.80
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,549.58	1,160.04
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,460.76	1,602.21
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,729.58	1,836.30
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	42,467.48	2,122.41
40 05 19 00-1748		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	982.51	307.96
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,199.81	314.20
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,208.87	353.73
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,565.78	347.49
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,556.90	387.03
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,642.58	412.00
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,966.42	365.18
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,970.99	404.72
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,082.10	429.69
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,480.12	509.80
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,828.88	379.74
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,779.63	419.28
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,904.19	444.25
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,080.90	524.37
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,266.22	551.93
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,422.24	423.97
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,171.11	463.50
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,128.19	488.47
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,669.77	568.58
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,572.47	596.15
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,972.96	621.64
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,173.57	470.78
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,183.72	510.32
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,815.22	535.28
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,848.37	615.40
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,181.74	642.96
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,556.81	668.46
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,890.35	775.10
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,101.95	543.60
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,639.89	583.14
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,739.04	608.12
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,953.13	688.23
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,147.42	715.80
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,217.46	741.28
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,271.76	847.92
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,419.77	905.15
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,096.94	590.43
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,295.52	629.96
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,535.22	654.93
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,768.76	735.04
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,450.54	762.61
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,611.78	788.10
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,854.11	894.75
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,952.07	951.96
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,267.82	1,017.26
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,748.76	760.01
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,817.98	784.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,138.26	865.09
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,180.03	892.66
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,218.65	918.15
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,478.92	1,024.79
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,631.42	1,082.02
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,015.10	1,227.67
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,309.74	1,290.10
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,837.17	1,087.74
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,858.54	1,107.51
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,977.35	1,164.21
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,109.93	1,186.58
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,173.57	1,206.86
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,353.65	1,282.29
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,465.36	1,334.31
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,762.48	1,443.55
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,142.81	1,498.17
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,388.55	1,719.26
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,286.18	941.04
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,811.62	1,021.15
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,853.40	1,048.72
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,926.40	1,074.21
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,158.26	1,180.85
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,421.41	1,238.07
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,642.10	1,383.73
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,017.81	1,446.15
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,680.03	1,758.28
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	40,616.34	1,922.14
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,199.44	1,217.78
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,238.07	1,243.28
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,504.32	1,349.92
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,591.02	1,407.14
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,950.78	1,552.80
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,292.09	1,615.22
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,258.47	1,927.34
40 05 19 00-1830		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	848.39	275.70
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,143.45	339.17
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,634.01	378.70
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,460.80	492.11
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,271.77	536.84
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,648.77	577.42
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,532.32	728.27
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,491.46	832.32
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,316.37	1,050.80
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,436.72	1,160.04
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,399.14	1,602.21
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,675.84	1,836.30
40 05 19 00-1843		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	704.84	275.70
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	972.98	339.17
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,375.31	378.70
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,805.83	492.11
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,528.58	536.84
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,248.02	577.42
40 05 19 00-1850		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	968.65	379.74
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,253.00	411.48
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,333.69	458.81
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,520.45	418.24
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,662.31	473.38
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,726.38	508.76
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,941.74	451.53
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,140.42	506.68
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,337.58	542.04
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,900.74	668.98
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,482.15	468.70
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,622.53	523.85
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,821.17	559.21
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,412.75	686.14
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,235.51	724.11
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,102.97	538.92
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,300.11	574.30
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,692.80	701.23
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,009.05	739.20
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,205.47	775.10
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,685.85	583.14
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,909.93	618.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,302.61	745.44
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,647.26	783.42
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,404.87	819.32
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,300.24	988.38
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,843.53	629.96
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,066.10	665.33
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,401.97	792.27
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,745.12	830.23
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,427.55	866.13
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,942.41	1,035.19
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,216.83	1,102.83
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,975.21	702.79
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,212.72	738.16
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,527.67	865.09
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,893.24	903.07
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,008.94	938.96
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,311.85	1,108.03
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,598.24	1,175.65
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,361.43	1,394.14
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,523.55	749.60
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,698.27	784.98
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,105.93	911.91
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,348.88	949.88
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,495.99	985.78
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,967.47	1,154.84
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,256.15	1,222.47
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,863.18	1,360.59
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,966.00	1,518.98
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,958.73	1,079.94
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,046.01	1,115.82
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,532.45	1,284.90
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,700.72	1,352.52
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,395.13	1,571.00
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,305.59	1,649.03
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,733.65	2,143.22
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,852.75	1,373.85
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,899.26	1,404.53
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,308.49	1,542.39
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,467.37	1,604.81
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,040.82	1,786.88
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,675.08	1,857.11
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,186.61	2,260.27
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,615.79	2,470.94
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,665.00	1,235.99
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,719.38	1,271.89
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,186.38	1,440.95
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,323.24	1,508.57
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,971.29	1,727.06
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,617.37	1,805.09
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,258.26	2,299.28
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	47,170.55	2,556.78
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,231.43	2,871.50
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,028.05	1,440.95
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,496.55	1,610.01
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,633.41	1,677.65
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,245.57	1,896.12
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,891.66	1,974.16
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,589.99	2,468.34

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	514.67	195.60
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	645.91	210.16
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	712.08	234.09
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	857.85	243.45
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	871.68	267.38
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,010.39	281.95
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,082.04	261.14
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,122.78	285.07
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,227.09	299.64
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,379.22	332.93
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,658.12	285.07
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,340.74	299.64
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,477.95	314.20
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,625.59	347.49
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,588.09	365.18
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,957.66	319.93
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,609.60	343.85
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,529.99	358.41
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,703.06	391.71
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,089.45	408.88
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,243.90	423.97
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,473.08	390.67
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,986.73	405.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,180.73	438.52
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,172.35	455.69
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,485.31	470.78
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,493.98	515.00
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,549.04	463.50
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,479.89	478.06
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,684.35	511.36
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,625.14	528.53
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,011.35	543.60
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,848.08	587.83
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,487.24	634.64
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,319.45	524.89
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,739.24	558.17
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,014.97	575.34
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,121.57	590.43
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,678.65	634.64
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,418.02	681.46
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,653.32	673.93
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,302.67	764.69
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,572.48	811.52
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,079.09	884.34
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,809.49	931.15
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,553.41	834.92
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,986.23	881.74
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,558.65	954.56
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,389.22	1,001.39
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,970.96	1,131.43
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,450.57	1,087.22
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,334.39	1,217.26
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,446.07	1,287.50
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,328.49	1,256.28
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,565.21	1,386.34
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,958.01	1,456.56
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,691.48	1,542.39

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	555.05	195.60
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	692.27	210.16
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	785.35	234.09
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	857.85	243.45
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	921.03	267.38
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,056.75	281.95
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,082.04	261.14
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,176.61	285.07
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,283.91	299.64
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,477.91	332.93
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,340.74	299.64
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,449.54	314.20
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,615.12	347.49
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,840.80	365.18
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,609.60	343.85
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,743.82	358.41
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,937.83	391.71
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,135.81	408.88
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,243.90	423.97
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,986.73	405.24
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,180.73	438.52
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,378.71	455.69
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,485.31	470.78
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,724.27	515.00
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,869.05	463.50
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,633.91	478.06
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,684.35	511.36
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,925.71	528.53
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,011.35	543.60
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,290.70	587.83
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,485.75	634.64
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,627.49	524.89
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,739.24	558.17
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,826.55	575.34
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,910.72	590.43
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,194.55	634.64
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,418.02	681.46
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,653.32	673.93
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,490.28	720.48
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,325.49	764.69
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,605.38	811.52
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,079.09	884.34
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,809.49	931.15
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,619.21	834.92
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,986.23	881.74
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,525.75	954.56
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,353.33	1,001.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,938.07	1,131.43
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,450.57	1,087.22
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,296.92	1,217.26
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,446.07	1,287.50
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,565.21	1,386.34
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	22,958.01	1,456.56
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,691.48	1,542.39

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	196.67	67.62
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	294.88	99.88
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	420.46	118.61
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	571.53	138.38
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	733.40	162.30
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	960.74	182.07
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,145.20	208.08
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,553.93	291.31
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,057.55	364.14
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,910.00	442.17
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,073.08	515.00
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,178.51	567.02
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,073.50	624.24
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,279.65	702.27

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,162.22	126.06
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,349.68	147.91
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,131.22	184.89
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,816.98	211.31
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,901.68	320.84
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,082.98	350.02
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,881.50	385.02
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,537.46	427.75
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,316.89	481.27
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,535.51	549.96
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	16,573.75	641.69
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	57,610.93	770.03
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	81,761.04	962.54

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,263.12	297.55
		For Class 52 Rating, Deduct	*-89.35*	
		For Class 54 Rating, Add	*127.25*	
		For Class 55 Rating, Add	*191.96*	
		For Class 56 Rating, Add	*255.85*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,386.61	302.76
		For Class 52 Rating, Deduct	*-102.07*	
		For Class 54 Rating, Add	*144.69*	
		For Class 55 Rating, Add	*217.93*	
		For Class 56 Rating, Add	*290.24*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,510.10	307.96
		For Class 52 Rating, Deduct	*-114.78*	
		For Class 54 Rating, Add	*162.12*	
		For Class 55 Rating, Add	*243.90*	
		For Class 56 Rating, Add	*324.63*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,633.58	313.16
		For Class 52 Rating, Deduct	*-127.50*	
		For Class 54 Rating, Add	*179.56*	
		For Class 55 Rating, Add	*269.86*	
		For Class 56 Rating, Add	*359.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,757.07	318.37
		For Class 52 Rating, Deduct	*-140.22*	
		For Class 54 Rating, Add	*196.99*	
		For Class 55 Rating, Add	*295.83*	
		For Class 56 Rating, Add	*393.40*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,880.55	323.57
		For Class 52 Rating, Deduct	*-152.93*	
		For Class 54 Rating, Add	*214.43*	
		For Class 55 Rating, Add	*321.80*	
		For Class 56 Rating, Add	*427.79*	
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,004.04	328.77
		For Class 52 Rating, Deduct	*-165.65*	
		For Class 54 Rating, Add	*231.86*	
		For Class 55 Rating, Add	*347.77*	
		For Class 56 Rating, Add	*462.18*	
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,127.53	333.97
		For Class 52 Rating, Deduct	*-178.37*	
		For Class 54 Rating, Add	*249.30*	
		For Class 55 Rating, Add	*373.74*	
		For Class 56 Rating, Add	*496.56*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,251.02	339.17
		For Class 52 Rating, Deduct	*-191.08*	
		For Class 54 Rating, Add	*266.73*	
		For Class 55 Rating, Add	*399.71*	
		For Class 56 Rating, Add	*530.95*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,374.50	344.37
		For Class 52 Rating, Deduct	*-203.80*	
		For Class 54 Rating, Add	*284.17*	
		For Class 55 Rating, Add	*425.68*	
		For Class 56 Rating, Add	*565.34*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,497.99	349.57
		For Class 52 Rating, Deduct	*-216.52*	
		For Class 54 Rating, Add	*301.61*	
		For Class 55 Rating, Add	*451.65*	
		For Class 56 Rating, Add	*599.73*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,621.47	354.77
		For Class 52 Rating, Deduct	*-229.23*	
		For Class 54 Rating, Add	*319.04*	
		For Class 55 Rating, Add	*477.62*	
		For Class 56 Rating, Add	*634.11*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,744.96	359.98
		For Class 52 Rating, Deduct	*-241.95*	
		For Class 54 Rating, Add	*336.48*	
		For Class 55 Rating, Add	*503.59*	
		For Class 56 Rating, Add	*668.50*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,868.44	365.18
		For Class 52 Rating, Deduct	*-254.67*	
		For Class 54 Rating, Add	*353.91*	
		For Class 55 Rating, Add	*529.56*	
		For Class 56 Rating, Add	*702.89*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,991.93	370.38
		For Class 52 Rating, Deduct	*-267.38*	
		For Class 54 Rating, Add	*371.35*	
		For Class 55 Rating, Add	*555.53*	
		For Class 56 Rating, Add	*737.27*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,115.41	375.58
		For Class 52 Rating, Deduct	*-280.10*	
		For Class 54 Rating, Add	*388.78*	
		For Class 55 Rating, Add	*581.49*	
		For Class 56 Rating, Add	*771.66*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,238.90	380.79
		For Class 52 Rating, Deduct	*-292.82*	
		For Class 54 Rating, Add	*406.22*	
		For Class 55 Rating, Add	*607.46*	
		For Class 56 Rating, Add	*806.05*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,362.40	385.99
		For Class 52 Rating, Deduct	*-305.53*	
		For Class 54 Rating, Add	*423.65*	
		For Class 55 Rating, Add	*633.43*	
		For Class 56 Rating, Add	*840.44*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,485.88	391.19
		For Class 52 Rating, Deduct	*-318.25*	
		For Class 54 Rating, Add	*441.09*	
		For Class 55 Rating, Add	*659.40*	
		For Class 56 Rating, Add	*874.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,609.37	396.39
		For Class 52 Rating, Deduct	*-330.97*	
		For Class 54 Rating, Add	*458.52*	
		For Class 55 Rating, Add	*685.37*	
		For Class 56 Rating, Add	*909.21*	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,732.85	401.60
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*475.96*	
		For Class 55 Rating, Add	*711.34*	
		For Class 56 Rating, Add	*943.60*	
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,856.34	406.80
		For Class 52 Rating, Deduct	*-356.40*	
		For Class 54 Rating, Add	*493.39*	
		For Class 55 Rating, Add	*737.31*	
		For Class 56 Rating, Add	*977.99*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,979.83	412.00
		For Class 52 Rating, Deduct	*-369.11*	
		For Class 54 Rating, Add	*510.83*	
		For Class 55 Rating, Add	*763.28*	
		For Class 56 Rating, Add	*1,012.37*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,103.32	417.20
		For Class 52 Rating, Deduct	*-381.83*	
		For Class 54 Rating, Add	*528.27*	
		For Class 55 Rating, Add	*789.25*	
		For Class 56 Rating, Add	*1,046.76*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,226.80	422.41
		For Class 52 Rating, Deduct	*-394.55*	
		For Class 54 Rating, Add	*545.70*	
		For Class 55 Rating, Add	*815.22*	
		For Class 56 Rating, Add	*1,081.15*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,350.29	427.61
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*563.14*	
		For Class 55 Rating, Add	*841.19*	
		For Class 56 Rating, Add	*1,115.53*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,473.77	432.81
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*580.57*	
		For Class 55 Rating, Add	*867.15*	
		For Class 56 Rating, Add	*1,149.92*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,597.26	438.00
		For Class 52 Rating, Deduct	*-432.70*	
		For Class 54 Rating, Add	*598.01*	
		For Class 55 Rating, Add	*893.12*	
		For Class 56 Rating, Add	*1,184.31*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,720.75	443.21
		For Class 52 Rating, Deduct	*-445.41*	
		For Class 54 Rating, Add	*615.44*	
		For Class 55 Rating, Add	*919.09*	
		For Class 56 Rating, Add	*1,218.69*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,844.24	448.41
		For Class 52 Rating, Deduct	*-458.13*	
		For Class 54 Rating, Add	*632.88*	
		For Class 55 Rating, Add	*945.06*	
		For Class 56 Rating, Add	*1,253.08*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,967.72	453.61
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*650.31*	
		For Class 55 Rating, Add	*971.03*	
		For Class 56 Rating, Add	*1,287.47*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,091.21	458.81
		For Class 52 Rating, Deduct	*-483.56*	
		For Class 54 Rating, Add	*667.75*	
		For Class 55 Rating, Add	*997.00*	
		For Class 56 Rating, Add	*1,321.86*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,214.69	464.02
		For Class 52 Rating, Deduct	*-496.28*	
		For Class 54 Rating, Add	*685.18*	
		For Class 55 Rating, Add	*1,022.97*	
		For Class 56 Rating, Add	*1,356.24*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,338.19	469.22
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*702.62*	
		For Class 55 Rating, Add	*1,048.94*	
		For Class 56 Rating, Add	*1,390.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,461.67	474.42
		For Class 52 Rating, Deduct	*-521.71*	
		For Class 54 Rating, Add	*720.05*	
		For Class 55 Rating, Add	*1,074.91*	
		For Class 56 Rating, Add	*1,425.02*	
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,585.16	479.62
		For Class 52 Rating, Deduct	*-534.43*	
		For Class 54 Rating, Add	*737.49*	
		For Class 55 Rating, Add	*1,100.88*	
		For Class 56 Rating, Add	*1,459.41*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,708.64	484.83
		For Class 52 Rating, Deduct	*-547.15*	
		For Class 54 Rating, Add	*754.92*	
		For Class 55 Rating, Add	*1,126.85*	
		For Class 56 Rating, Add	*1,493.79*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,832.13	490.03
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*772.36*	
		For Class 55 Rating, Add	*1,152.82*	
		For Class 56 Rating, Add	*1,528.18*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,955.62	495.23
		For Class 52 Rating, Deduct	*-572.58*	
		For Class 54 Rating, Add	*789.79*	
		For Class 55 Rating, Add	*1,178.78*	
		For Class 56 Rating, Add	*1,562.57*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,580.56	374.54
		For Class 52 Rating, Deduct	*-111.44*	
		For Class 54 Rating, Add	*158.77*	
		For Class 55 Rating, Add	*239.53*	
		For Class 56 Rating, Add	*319.29*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,722.29	379.74
		For Class 52 Rating, Deduct	*-126.16*	
		For Class 54 Rating, Add	*178.94*	
		For Class 55 Rating, Add	*269.57*	
		For Class 56 Rating, Add	*359.05*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,864.03	384.95
		For Class 52 Rating, Deduct	*-140.89*	
		For Class 54 Rating, Add	*199.12*	
		For Class 55 Rating, Add	*299.61*	
		For Class 56 Rating, Add	*398.83*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,005.77	390.15
		For Class 52 Rating, Deduct	*-155.61*	
		For Class 54 Rating, Add	*219.29*	
		For Class 55 Rating, Add	*329.65*	
		For Class 56 Rating, Add	*438.60*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,147.52	395.35
		For Class 52 Rating, Deduct	*-170.34*	
		For Class 54 Rating, Add	*239.46*	
		For Class 55 Rating, Add	*359.69*	
		For Class 56 Rating, Add	*478.37*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,289.26	400.56
		For Class 52 Rating, Deduct	*-185.06*	
		For Class 54 Rating, Add	*259.64*	
		For Class 55 Rating, Add	*389.73*	
		For Class 56 Rating, Add	*518.14*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,431.00	405.76
		For Class 52 Rating, Deduct	*-199.78*	
		For Class 54 Rating, Add	*279.81*	
		For Class 55 Rating, Add	*419.77*	
		For Class 56 Rating, Add	*557.92*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,572.74	410.96
		For Class 52 Rating, Deduct	*-214.51*	
		For Class 54 Rating, Add	*299.98*	
		For Class 55 Rating, Add	*449.81*	
		For Class 56 Rating, Add	*597.69*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,714.47	416.16
		For Class 52 Rating, Deduct	*-229.23*	
		For Class 54 Rating, Add	*320.16*	
		For Class 55 Rating, Add	*479.85*	
		For Class 56 Rating, Add	*637.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,856.21	421.37
		For Class 52 Rating, Deduct	*-243.96*	
		For Class 54 Rating, Add	*340.33*	
		For Class 55 Rating, Add	*509.89*	
		For Class 56 Rating, Add	*677.23*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,997.96	426.57
		For Class 52 Rating, Deduct	*-258.68*	
		For Class 54 Rating, Add	*360.50*	
		For Class 55 Rating, Add	*539.93*	
		For Class 56 Rating, Add	*717.00*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,139.70	431.77
		For Class 52 Rating, Deduct	*-273.41*	
		For Class 54 Rating, Add	*380.68*	
		For Class 55 Rating, Add	*569.97*	
		For Class 56 Rating, Add	*756.78*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,281.44	436.96
		For Class 52 Rating, Deduct	*-288.13*	
		For Class 54 Rating, Add	*400.85*	
		For Class 55 Rating, Add	*600.01*	
		For Class 56 Rating, Add	*796.55*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,423.18	442.17
		For Class 52 Rating, Deduct	*-302.86*	
		For Class 54 Rating, Add	*421.02*	
		For Class 55 Rating, Add	*630.05*	
		For Class 56 Rating, Add	*836.32*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,564.92	447.37
		For Class 52 Rating, Deduct	*-317.58*	
		For Class 54 Rating, Add	*441.20*	
		For Class 55 Rating, Add	*660.09*	
		For Class 56 Rating, Add	*876.09*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,706.66	452.57
		For Class 52 Rating, Deduct	*-332.30*	
		For Class 54 Rating, Add	*461.37*	
		For Class 55 Rating, Add	*690.13*	
		For Class 56 Rating, Add	*915.86*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,848.40	457.77
		For Class 52 Rating, Deduct	*-347.03*	
		For Class 54 Rating, Add	*481.54*	
		For Class 55 Rating, Add	*720.17*	
		For Class 56 Rating, Add	*955.64*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,990.14	462.98
		For Class 52 Rating, Deduct	*-361.75*	
		For Class 54 Rating, Add	*501.72*	
		For Class 55 Rating, Add	*750.21*	
		For Class 56 Rating, Add	*995.41*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,131.88	468.18
		For Class 52 Rating, Deduct	*-376.48*	
		For Class 54 Rating, Add	*521.89*	
		For Class 55 Rating, Add	*780.25*	
		For Class 56 Rating, Add	*1,035.18*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,273.62	473.38
		For Class 52 Rating, Deduct	*-391.20*	
		For Class 54 Rating, Add	*542.06*	
		For Class 55 Rating, Add	*810.29*	
		For Class 56 Rating, Add	*1,074.95*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,415.37	478.58
		For Class 52 Rating, Deduct	*-405.93*	
		For Class 54 Rating, Add	*562.24*	
		For Class 55 Rating, Add	*840.33*	
		For Class 56 Rating, Add	*1,114.73*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,557.11	483.79
		For Class 52 Rating, Deduct	*-420.65*	
		For Class 54 Rating, Add	*582.41*	
		For Class 55 Rating, Add	*870.37*	
		For Class 56 Rating, Add	*1,154.50*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,698.84	488.99
		For Class 52 Rating, Deduct	*-435.37*	
		For Class 54 Rating, Add	*602.58*	
		For Class 55 Rating, Add	*900.40*	
		For Class 56 Rating, Add	*1,194.27*	
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,840.58	494.19
		For Class 52 Rating, Deduct	*-450.10*	
		For Class 54 Rating, Add	*622.76*	
		For Class 55 Rating, Add	*930.44*	
		For Class 56 Rating, Add	*1,234.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,982.32	499.39
		For Class 52 Rating, Deduct	*-464.82*	
		For Class 54 Rating, Add	*642.93*	
		For Class 55 Rating, Add	*960.48*	
		For Class 56 Rating, Add	*1,273.81*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,124.07	504.60
		For Class 52 Rating, Deduct	*-479.55*	
		For Class 54 Rating, Add	*663.10*	
		For Class 55 Rating, Add	*990.52*	
		For Class 56 Rating, Add	*1,313.58*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,265.81	509.80
		For Class 52 Rating, Deduct	*-494.27*	
		For Class 54 Rating, Add	*683.28*	
		For Class 55 Rating, Add	*1,020.56*	
		For Class 56 Rating, Add	*1,353.36*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,407.55	515.00
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*703.45*	
		For Class 55 Rating, Add	*1,050.60*	
		For Class 56 Rating, Add	*1,393.13*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,549.29	520.20
		For Class 52 Rating, Deduct	*-523.72*	
		For Class 54 Rating, Add	*723.62*	
		For Class 55 Rating, Add	*1,080.64*	
		For Class 56 Rating, Add	*1,432.90*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,691.02	525.41
		For Class 52 Rating, Deduct	*-538.45*	
		For Class 54 Rating, Add	*743.80*	
		For Class 55 Rating, Add	*1,110.68*	
		For Class 56 Rating, Add	*1,472.67*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,832.76	530.60
		For Class 52 Rating, Deduct	*-553.17*	
		For Class 54 Rating, Add	*763.97*	
		For Class 55 Rating, Add	*1,140.72*	
		For Class 56 Rating, Add	*1,512.44*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,974.51	535.80
		For Class 52 Rating, Deduct	*-567.89*	
		For Class 54 Rating, Add	*784.14*	
		For Class 55 Rating, Add	*1,170.76*	
		For Class 56 Rating, Add	*1,552.22*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,116.25	541.00
		For Class 52 Rating, Deduct	*-582.62*	
		For Class 54 Rating, Add	*804.32*	
		For Class 55 Rating, Add	*1,200.80*	
		For Class 56 Rating, Add	*1,591.99*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,257.99	546.21
		For Class 52 Rating, Deduct	*-597.34*	
		For Class 54 Rating, Add	*824.49*	
		For Class 55 Rating, Add	*1,230.84*	
		For Class 56 Rating, Add	*1,631.76*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,399.73	551.41
		For Class 52 Rating, Deduct	*-612.07*	
		For Class 54 Rating, Add	*844.66*	
		For Class 55 Rating, Add	*1,260.88*	
		For Class 56 Rating, Add	*1,671.53*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,541.47	556.61
		For Class 52 Rating, Deduct	*-626.79*	
		For Class 54 Rating, Add	*864.84*	
		For Class 55 Rating, Add	*1,290.92*	
		For Class 56 Rating, Add	*1,711.31*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,683.21	561.81
		For Class 52 Rating, Deduct	*-641.52*	
		For Class 54 Rating, Add	*885.01*	
		For Class 55 Rating, Add	*1,320.96*	
		For Class 56 Rating, Add	*1,751.08*	
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,824.95	567.02
		For Class 52 Rating, Deduct	*-656.24*	
		For Class 54 Rating, Add	*905.18*	
		For Class 55 Rating, Add	*1,351.00*	
		For Class 56 Rating, Add	*1,790.85*	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,966.69	572.22
		For Class 52 Rating, Deduct	*-670.97*	
		For Class 54 Rating, Add	*925.36*	
		For Class 55 Rating, Add	*1,381.04*	
		For Class 56 Rating, Add	*1,830.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2155		8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,188.45	478.58
		For Class 52 Rating, Deduct	*-160.97*	
		For Class 54 Rating, Add	*228.20*	
		For Class 55 Rating, Add	*343.72*	
		For Class 56 Rating, Add	*457.78*	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,369.74	483.79
		For Class 52 Rating, Deduct	*-180.04*	
		For Class 54 Rating, Add	*254.31*	
		For Class 55 Rating, Add	*382.58*	
		For Class 56 Rating, Add	*509.22*	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,551.02	488.99
		For Class 52 Rating, Deduct	*-199.11*	
		For Class 54 Rating, Add	*280.41*	
		For Class 55 Rating, Add	*421.44*	
		For Class 56 Rating, Add	*560.66*	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,732.31	494.19
		For Class 52 Rating, Deduct	*-218.19*	
		For Class 54 Rating, Add	*306.52*	
		For Class 55 Rating, Add	*460.30*	
		For Class 56 Rating, Add	*612.10*	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,913.60	499.39
		For Class 52 Rating, Deduct	*-237.26*	
		For Class 54 Rating, Add	*332.62*	
		For Class 55 Rating, Add	*499.16*	
		For Class 56 Rating, Add	*663.54*	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,094.90	504.60
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*358.73*	
		For Class 55 Rating, Add	*538.02*	
		For Class 56 Rating, Add	*714.98*	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,276.18	509.80
		For Class 52 Rating, Deduct	*-275.41*	
		For Class 54 Rating, Add	*384.83*	
		For Class 55 Rating, Add	*576.88*	
		For Class 56 Rating, Add	*766.42*	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,457.47	515.00
		For Class 52 Rating, Deduct	*-294.49*	
		For Class 54 Rating, Add	*410.94*	
		For Class 55 Rating, Add	*615.74*	
		For Class 56 Rating, Add	*817.86*	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,638.76	520.20
		For Class 52 Rating, Deduct	*-313.56*	
		For Class 54 Rating, Add	*437.05*	
		For Class 55 Rating, Add	*654.60*	
		For Class 56 Rating, Add	*869.30*	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,820.05	525.41
		For Class 52 Rating, Deduct	*-332.64*	
		For Class 54 Rating, Add	*463.15*	
		For Class 55 Rating, Add	*693.46*	
		For Class 56 Rating, Add	*920.74*	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,001.33	530.60
		For Class 52 Rating, Deduct	*-351.71*	
		For Class 54 Rating, Add	*489.26*	
		For Class 55 Rating, Add	*732.31*	
		For Class 56 Rating, Add	*972.17*	
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,182.63	535.80
		For Class 52 Rating, Deduct	*-370.79*	
		For Class 54 Rating, Add	*515.36*	
		For Class 55 Rating, Add	*771.17*	
		For Class 56 Rating, Add	*1,023.61*	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,363.92	541.00
		For Class 52 Rating, Deduct	*-389.86*	
		For Class 54 Rating, Add	*541.47*	
		For Class 55 Rating, Add	*810.03*	
		For Class 56 Rating, Add	*1,075.05*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,545.21	546.21
		For Class 52 Rating, Deduct	*-408.94*	
		For Class 54 Rating, Add	*567.57*	
		For Class 55 Rating, Add	*848.89*	
		For Class 56 Rating, Add	*1,126.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,726.49	551.41
		For Class 52 Rating, Deduct	*-428.01*	
		For Class 54 Rating, Add	*593.68*	
		For Class 55 Rating, Add	*887.75*	
		For Class 56 Rating, Add	*1,177.93*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,907.78	556.61
		For Class 52 Rating, Deduct	*-447.09*	
		For Class 54 Rating, Add	*619.78*	
		For Class 55 Rating, Add	*926.61*	
		For Class 56 Rating, Add	*1,229.37*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,089.08	561.81
		For Class 52 Rating, Deduct	*-466.16*	
		For Class 54 Rating, Add	*645.89*	
		For Class 55 Rating, Add	*965.47*	
		For Class 56 Rating, Add	*1,280.81*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,270.37	567.02
		For Class 52 Rating, Deduct	*-485.24*	
		For Class 54 Rating, Add	*672.00*	
		For Class 55 Rating, Add	*1,004.33*	
		For Class 56 Rating, Add	*1,332.25*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,451.66	572.22
		For Class 52 Rating, Deduct	*-504.31*	
		For Class 54 Rating, Add	*698.10*	
		For Class 55 Rating, Add	*1,043.19*	
		For Class 56 Rating, Add	*1,383.69*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,632.94	577.42
		For Class 52 Rating, Deduct	*-523.39*	
		For Class 54 Rating, Add	*724.21*	
		For Class 55 Rating, Add	*1,082.04*	
		For Class 56 Rating, Add	*1,435.12*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,814.23	582.62
		For Class 52 Rating, Deduct	*-542.46*	
		For Class 54 Rating, Add	*750.31*	
		For Class 55 Rating, Add	*1,120.90*	
		For Class 56 Rating, Add	*1,486.56*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,995.53	587.83
		For Class 52 Rating, Deduct	*-561.54*	
		For Class 54 Rating, Add	*776.42*	
		For Class 55 Rating, Add	*1,159.76*	
		For Class 56 Rating, Add	*1,538.00*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,176.82	593.03
		For Class 52 Rating, Deduct	*-580.61*	
		For Class 54 Rating, Add	*802.53*	
		For Class 55 Rating, Add	*1,198.62*	
		For Class 56 Rating, Add	*1,589.44*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,358.10	598.23
		For Class 52 Rating, Deduct	*-599.69*	
		For Class 54 Rating, Add	*828.63*	
		For Class 55 Rating, Add	*1,237.48*	
		For Class 56 Rating, Add	*1,640.88*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,539.39	603.43
		For Class 52 Rating, Deduct	*-618.76*	
		For Class 54 Rating, Add	*854.74*	
		For Class 55 Rating, Add	*1,276.34*	
		For Class 56 Rating, Add	*1,692.32*	
40 05 19 00-2181	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,720.68	608.64
		For Class 52 Rating, Deduct	*-637.84*	
		For Class 54 Rating, Add	*880.84*	
		For Class 55 Rating, Add	*1,315.20*	
		For Class 56 Rating, Add	*1,743.76*	
40 05 19 00-2182	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,901.98	613.84
		For Class 52 Rating, Deduct	*-656.91*	
		For Class 54 Rating, Add	*906.95*	
		For Class 55 Rating, Add	*1,354.06*	
		For Class 56 Rating, Add	*1,795.20*	
40 05 19 00-2183	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,083.26	619.04
		For Class 52 Rating, Deduct	*-675.99*	
		For Class 54 Rating, Add	*933.05*	
		For Class 55 Rating, Add	*1,392.92*	
		For Class 56 Rating, Add	*1,846.64*	
40 05 19 00-2184	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,264.55	624.24
		For Class 52 Rating, Deduct	*-695.06*	
		For Class 54 Rating, Add	*959.16*	
		For Class 55 Rating, Add	*1,431.78*	
		For Class 56 Rating, Add	*1,898.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,445.84	629.44
		For Class 52 Rating, Deduct	*-714.14*	
		For Class 54 Rating, Add	*985.27*	
		For Class 55 Rating, Add	*1,470.64*	
		For Class 56 Rating, Add	*1,949.51*	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,627.13	634.64
		For Class 52 Rating, Deduct	*-733.21*	
		For Class 54 Rating, Add	*1,011.37*	
		For Class 55 Rating, Add	*1,509.50*	
		For Class 56 Rating, Add	*2,000.95*	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,808.42	639.84
		For Class 52 Rating, Deduct	*-752.29*	
		For Class 54 Rating, Add	*1,037.48*	
		For Class 55 Rating, Add	*1,548.36*	
		For Class 56 Rating, Add	*2,052.39*	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,989.71	645.04
		For Class 52 Rating, Deduct	*-771.36*	
		For Class 54 Rating, Add	*1,063.58*	
		For Class 55 Rating, Add	*1,587.21*	
		For Class 56 Rating, Add	*2,103.83*	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,171.00	650.25
		For Class 52 Rating, Deduct	*-790.43*	
		For Class 54 Rating, Add	*1,089.69*	
		For Class 55 Rating, Add	*1,626.07*	
		For Class 56 Rating, Add	*2,155.27*	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,352.29	655.45
		For Class 52 Rating, Deduct	*-809.51*	
		For Class 54 Rating, Add	*1,115.79*	
		For Class 55 Rating, Add	*1,664.93*	
		For Class 56 Rating, Add	*2,206.71*	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,533.58	660.65
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,141.90*	
		For Class 55 Rating, Add	*1,703.79*	
		For Class 56 Rating, Add	*2,258.15*	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,714.86	665.85
		For Class 52 Rating, Deduct	*-847.66*	
		For Class 54 Rating, Add	*1,168.00*	
		For Class 55 Rating, Add	*1,742.65*	
		For Class 56 Rating, Add	*2,309.59*	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,896.16	671.06
		For Class 52 Rating, Deduct	*-866.73*	
		For Class 54 Rating, Add	*1,194.11*	
		For Class 55 Rating, Add	*1,781.51*	
		For Class 56 Rating, Add	*2,361.03*	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,077.45	676.26
		For Class 52 Rating, Deduct	*-885.81*	
		For Class 54 Rating, Add	*1,220.22*	
		For Class 55 Rating, Add	*1,820.37*	
		For Class 56 Rating, Add	*2,412.47*	

40 05 19 00-2195 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,756.78	582.62
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*291.70*	
		For Class 55 Rating, Add	*439.09*	
		For Class 56 Rating, Add	*584.62*	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,989.80	587.83
		For Class 52 Rating, Deduct	*-230.91*	
		For Class 54 Rating, Add	*325.56*	
		For Class 55 Rating, Add	*489.49*	
		For Class 56 Rating, Add	*651.31*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,222.80	593.03
		For Class 52 Rating, Deduct	*-255.67*	
		For Class 54 Rating, Add	*359.42*	
		For Class 55 Rating, Add	*539.88*	
		For Class 56 Rating, Add	*718.01*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,455.81	598.23
		For Class 52 Rating, Deduct	*-280.43*	
		For Class 54 Rating, Add	*393.29*	
		For Class 55 Rating, Add	*590.27*	
		For Class 56 Rating, Add	*784.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,688.81	603.43
		For Class 52 Rating, Deduct	*-305.20*	
		For Class 54 Rating, Add	*427.15*	
		For Class 55 Rating, Add	*640.66*	
		For Class 56 Rating, Add	*851.40*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,921.82	608.64
		For Class 52 Rating, Deduct	*-329.96*	
		For Class 54 Rating, Add	*461.01*	
		For Class 55 Rating, Add	*691.05*	
		For Class 56 Rating, Add	*918.09*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,154.83	613.84
		For Class 52 Rating, Deduct	*-354.72*	
		For Class 54 Rating, Add	*494.88*	
		For Class 55 Rating, Add	*741.45*	
		For Class 56 Rating, Add	*984.79*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,387.84	619.04
		For Class 52 Rating, Deduct	*-379.49*	
		For Class 54 Rating, Add	*528.74*	
		For Class 55 Rating, Add	*791.84*	
		For Class 56 Rating, Add	*1,051.49*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,620.85	624.24
		For Class 52 Rating, Deduct	*-404.25*	
		For Class 54 Rating, Add	*562.60*	
		For Class 55 Rating, Add	*842.23*	
		For Class 56 Rating, Add	*1,118.18*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,853.85	629.44
		For Class 52 Rating, Deduct	*-429.02*	
		For Class 54 Rating, Add	*596.47*	
		For Class 55 Rating, Add	*892.62*	
		For Class 56 Rating, Add	*1,184.88*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,086.86	634.64
		For Class 52 Rating, Deduct	*-453.78*	
		For Class 54 Rating, Add	*630.33*	
		For Class 55 Rating, Add	*943.02*	
		For Class 56 Rating, Add	*1,251.57*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,319.86	639.84
		For Class 52 Rating, Deduct	*-478.54*	
		For Class 54 Rating, Add	*664.19*	
		For Class 55 Rating, Add	*993.41*	
		For Class 56 Rating, Add	*1,318.27*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,552.88	645.04
		For Class 52 Rating, Deduct	*-503.31*	
		For Class 54 Rating, Add	*698.06*	
		For Class 55 Rating, Add	*1,043.80*	
		For Class 56 Rating, Add	*1,384.97*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,785.88	650.25
		For Class 52 Rating, Deduct	*-528.07*	
		For Class 54 Rating, Add	*731.92*	
		For Class 55 Rating, Add	*1,094.19*	
		For Class 56 Rating, Add	*1,451.66*	
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,018.89	655.45
		For Class 52 Rating, Deduct	*-552.84*	
		For Class 54 Rating, Add	*765.78*	
		For Class 55 Rating, Add	*1,144.58*	
		For Class 56 Rating, Add	*1,518.36*	
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,251.90	660.65
		For Class 52 Rating, Deduct	*-577.60*	
		For Class 54 Rating, Add	*799.65*	
		For Class 55 Rating, Add	*1,194.98*	
		For Class 56 Rating, Add	*1,585.05*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,484.90	665.85
		For Class 52 Rating, Deduct	*-602.36*	
		For Class 54 Rating, Add	*833.51*	
		For Class 55 Rating, Add	*1,245.37*	
		For Class 56 Rating, Add	*1,651.75*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,717.92	671.06
		For Class 52 Rating, Deduct	*-627.13*	
		For Class 54 Rating, Add	*867.38*	
		For Class 55 Rating, Add	*1,295.76*	
		For Class 56 Rating, Add	*1,718.45*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,950.92	676.26
		For Class 52 Rating, Deduct	*-651.89*	
		For Class 54 Rating, Add	*901.24*	
		For Class 55 Rating, Add	*1,346.15*	
		For Class 56 Rating, Add	*1,785.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,183.93	681.46
		For Class 52 Rating, Deduct	*-676.66*	
		For Class 54 Rating, Add	*935.10*	
		For Class 55 Rating, Add	*1,396.54*	
		For Class 56 Rating, Add	*1,851.84*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,416.94	686.66
		For Class 52 Rating, Deduct	*-701.42*	
		For Class 54 Rating, Add	*968.97*	
		For Class 55 Rating, Add	*1,446.94*	
		For Class 56 Rating, Add	*1,918.53*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,649.94	691.87
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*1,002.83*	
		For Class 55 Rating, Add	*1,497.33*	
		For Class 56 Rating, Add	*1,985.23*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,882.96	697.07
		For Class 52 Rating, Deduct	*-750.95*	
		For Class 54 Rating, Add	*1,036.69*	
		For Class 55 Rating, Add	*1,547.72*	
		For Class 56 Rating, Add	*2,051.93*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,115.96	702.27
		For Class 52 Rating, Deduct	*-775.71*	
		For Class 54 Rating, Add	*1,070.56*	
		For Class 55 Rating, Add	*1,598.11*	
		For Class 56 Rating, Add	*2,118.62*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,348.97	707.47
		For Class 52 Rating, Deduct	*-800.47*	
		For Class 54 Rating, Add	*1,104.42*	
		For Class 55 Rating, Add	*1,648.51*	
		For Class 56 Rating, Add	*2,185.32*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,581.97	712.68
		For Class 52 Rating, Deduct	*-825.24*	
		For Class 54 Rating, Add	*1,138.28*	
		For Class 55 Rating, Add	*1,698.90*	
		For Class 56 Rating, Add	*2,252.01*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,814.98	717.88
		For Class 52 Rating, Deduct	*-850.00*	
		For Class 54 Rating, Add	*1,172.15*	
		For Class 55 Rating, Add	*1,749.29*	
		For Class 56 Rating, Add	*2,318.71*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,048.00	723.07
		For Class 52 Rating, Deduct	*-874.77*	
		For Class 54 Rating, Add	*1,206.01*	
		For Class 55 Rating, Add	*1,799.68*	
		For Class 56 Rating, Add	*2,385.40*	
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,281.00	728.27
		For Class 52 Rating, Deduct	*-899.53*	
		For Class 54 Rating, Add	*1,239.87*	
		For Class 55 Rating, Add	*1,850.07*	
		For Class 56 Rating, Add	*2,452.10*	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,514.01	733.48
		For Class 52 Rating, Deduct	*-924.29*	
		For Class 54 Rating, Add	*1,273.74*	
		For Class 55 Rating, Add	*1,900.47*	
		For Class 56 Rating, Add	*2,518.80*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,747.01	738.68
		For Class 52 Rating, Deduct	*-949.06*	
		For Class 54 Rating, Add	*1,307.60*	
		For Class 55 Rating, Add	*1,950.86*	
		For Class 56 Rating, Add	*2,585.49*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,980.02	743.88
		For Class 52 Rating, Deduct	*-973.82*	
		For Class 54 Rating, Add	*1,341.46*	
		For Class 55 Rating, Add	*2,001.25*	
		For Class 56 Rating, Add	*2,652.19*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,213.03	749.08
		For Class 52 Rating, Deduct	*-998.58*	
		For Class 54 Rating, Add	*1,375.33*	
		For Class 55 Rating, Add	*2,051.64*	
		For Class 56 Rating, Add	*2,718.88*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,446.04	754.29
		For Class 52 Rating, Deduct	*-1,023.35*	
		For Class 54 Rating, Add	*1,409.19*	
		For Class 55 Rating, Add	*2,102.04*	
		For Class 56 Rating, Add	*2,785.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2230		EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,679.05	759.49
			For Class 52 Rating, Deduct	*-1,048.11*	
			For Class 54 Rating, Add	*1,443.05*	
			For Class 55 Rating, Add	*2,152.43*	
			For Class 56 Rating, Add	*2,852.28*	
40 05 19 00-2231		EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,912.05	764.69
			For Class 52 Rating, Deduct	*-1,072.88*	
			For Class 54 Rating, Add	*1,476.92*	
			For Class 55 Rating, Add	*2,202.82*	
			For Class 56 Rating, Add	*2,918.97*	
40 05 19 00-2232		EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,145.05	769.89
			For Class 52 Rating, Deduct	*-1,097.64*	
			For Class 54 Rating, Add	*1,510.78*	
			For Class 55 Rating, Add	*2,253.21*	
			For Class 56 Rating, Add	*2,985.67*	
40 05 19 00-2233		EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,378.05	775.10
			For Class 52 Rating, Deduct	*-1,122.40*	
			For Class 54 Rating, Add	*1,544.64*	
			For Class 55 Rating, Add	*2,303.60*	
			For Class 56 Rating, Add	*3,052.36*	
40 05 19 00-2234		EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,611.07	780.30
			For Class 52 Rating, Deduct	*-1,147.17*	
			For Class 54 Rating, Add	*1,578.51*	
			For Class 55 Rating, Add	*2,354.00*	
			For Class 56 Rating, Add	*3,119.06*	

40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2236		EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,598.10	728.27
			For Class 52 Rating, Deduct	*-274.41*	
			For Class 54 Rating, Add	*387.44*	
			For Class 55 Rating, Add	*582.79*	
			For Class 56 Rating, Add	*775.64*	
40 05 19 00-2237		EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,885.86	733.48
			For Class 52 Rating, Deduct	*-305.20*	
			For Class 54 Rating, Add	*429.51*	
			For Class 55 Rating, Add	*645.39*	
			For Class 56 Rating, Add	*858.49*	
40 05 19 00-2238		EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,173.63	738.68
			For Class 52 Rating, Deduct	*-335.99*	
			For Class 54 Rating, Add	*471.59*	
			For Class 55 Rating, Add	*707.99*	
			For Class 56 Rating, Add	*941.34*	
40 05 19 00-2239		EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,461.40	743.88
			For Class 52 Rating, Deduct	*-366.77*	
			For Class 54 Rating, Add	*513.67*	
			For Class 55 Rating, Add	*770.60*	
			For Class 56 Rating, Add	*1,024.19*	
40 05 19 00-2240		EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,749.17	749.08
			For Class 52 Rating, Deduct	*-397.56*	
			For Class 54 Rating, Add	*555.75*	
			For Class 55 Rating, Add	*833.20*	
			For Class 56 Rating, Add	*1,107.04*	
40 05 19 00-2241		EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,036.94	754.29
			For Class 52 Rating, Deduct	*-428.35*	
			For Class 54 Rating, Add	*597.82*	
			For Class 55 Rating, Add	*895.81*	
			For Class 56 Rating, Add	*1,189.89*	
40 05 19 00-2242		EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,324.70	759.49
			For Class 52 Rating, Deduct	*-459.13*	
			For Class 54 Rating, Add	*639.90*	
			For Class 55 Rating, Add	*958.41*	
			For Class 56 Rating, Add	*1,272.74*	
40 05 19 00-2243		EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,612.47	764.69
			For Class 52 Rating, Deduct	*-489.92*	
			For Class 54 Rating, Add	*681.98*	
			For Class 55 Rating, Add	*1,021.01*	
			For Class 56 Rating, Add	*1,355.59*	
40 05 19 00-2244		EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,900.23	769.89
			For Class 52 Rating, Deduct	*-520.71*	
			For Class 54 Rating, Add	*724.06*	
			For Class 55 Rating, Add	*1,083.62*	
			For Class 56 Rating, Add	*1,438.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,187.99	775.10
		For Class 52 Rating, Deduct	*-551.50*	
		For Class 54 Rating, Add	*766.13*	
		For Class 55 Rating, Add	*1,146.22*	
		For Class 56 Rating, Add	*1,521.29*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,475.77	780.30
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*808.21*	
		For Class 55 Rating, Add	*1,208.82*	
		For Class 56 Rating, Add	*1,604.14*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,763.53	785.50
		For Class 52 Rating, Deduct	*-613.07*	
		For Class 54 Rating, Add	*850.29*	
		For Class 55 Rating, Add	*1,271.43*	
		For Class 56 Rating, Add	*1,686.99*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,051.30	790.70
		For Class 52 Rating, Deduct	*-643.86*	
		For Class 54 Rating, Add	*892.37*	
		For Class 55 Rating, Add	*1,334.03*	
		For Class 56 Rating, Add	*1,769.84*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,339.07	795.91
		For Class 52 Rating, Deduct	*-674.65*	
		For Class 54 Rating, Add	*934.44*	
		For Class 55 Rating, Add	*1,396.64*	
		For Class 56 Rating, Add	*1,852.69*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,626.83	801.11
		For Class 52 Rating, Deduct	*-705.43*	
		For Class 54 Rating, Add	*976.52*	
		For Class 55 Rating, Add	*1,459.24*	
		For Class 56 Rating, Add	*1,935.54*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,914.61	806.31
		For Class 52 Rating, Deduct	*-736.22*	
		For Class 54 Rating, Add	*1,018.60*	
		For Class 55 Rating, Add	*1,521.84*	
		For Class 56 Rating, Add	*2,018.39*	
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,202.37	811.52
		For Class 52 Rating, Deduct	*-767.01*	
		For Class 54 Rating, Add	*1,060.68*	
		For Class 55 Rating, Add	*1,584.45*	
		For Class 56 Rating, Add	*2,101.24*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,490.14	816.72
		For Class 52 Rating, Deduct	*-797.80*	
		For Class 54 Rating, Add	*1,102.75*	
		For Class 55 Rating, Add	*1,647.05*	
		For Class 56 Rating, Add	*2,184.09*	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,777.91	821.91
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,144.83*	
		For Class 55 Rating, Add	*1,709.66*	
		For Class 56 Rating, Add	*2,266.95*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,065.67	827.11
		For Class 52 Rating, Deduct	*-859.37*	
		For Class 54 Rating, Add	*1,186.91*	
		For Class 55 Rating, Add	*1,772.26*	
		For Class 56 Rating, Add	*2,349.79*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,353.45	832.32
		For Class 52 Rating, Deduct	*-890.16*	
		For Class 54 Rating, Add	*1,228.99*	
		For Class 55 Rating, Add	*1,834.86*	
		For Class 56 Rating, Add	*2,432.65*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,641.21	837.52
		For Class 52 Rating, Deduct	*-920.95*	
		For Class 54 Rating, Add	*1,271.06*	
		For Class 55 Rating, Add	*1,897.46*	
		For Class 56 Rating, Add	*2,515.49*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,928.98	842.72
		For Class 52 Rating, Deduct	*-951.73*	
		For Class 54 Rating, Add	*1,313.14*	
		For Class 55 Rating, Add	*1,960.07*	
		For Class 56 Rating, Add	*2,598.34*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,216.75	847.92
		For Class 52 Rating, Deduct	*-982.52*	
		For Class 54 Rating, Add	*1,355.22*	
		For Class 55 Rating, Add	*2,022.67*	
		For Class 56 Rating, Add	*2,681.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,501.47	853.13
		For Class 52 Rating, Deduct	*-1,012.97*	
		For Class 54 Rating, Add	*1,396.84*	
		For Class 55 Rating, Add	*2,084.60*	
		For Class 56 Rating, Add	*2,763.15*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,792.29	858.33
		For Class 52 Rating, Deduct	*-1,044.10*	
		For Class 54 Rating, Add	*1,439.37*	
		For Class 55 Rating, Add	*2,147.88*	
		For Class 56 Rating, Add	*2,846.90*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,080.05	863.53
		For Class 52 Rating, Deduct	*-1,074.88*	
		For Class 54 Rating, Add	*1,481.45*	
		For Class 55 Rating, Add	*2,210.48*	
		For Class 56 Rating, Add	*2,929.74*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,367.82	868.73
		For Class 52 Rating, Deduct	*-1,105.67*	
		For Class 54 Rating, Add	*1,523.53*	
		For Class 55 Rating, Add	*2,273.09*	
		For Class 56 Rating, Add	*3,012.60*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,655.59	873.94
		For Class 52 Rating, Deduct	*-1,136.46*	
		For Class 54 Rating, Add	*1,565.61*	
		For Class 55 Rating, Add	*2,335.69*	
		For Class 56 Rating, Add	*3,095.45*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,943.35	879.14
		For Class 52 Rating, Deduct	*-1,167.25*	
		For Class 54 Rating, Add	*1,607.68*	
		For Class 55 Rating, Add	*2,398.30*	
		For Class 56 Rating, Add	*3,178.30*	
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,231.12	884.34
		For Class 52 Rating, Deduct	*-1,198.03*	
		For Class 54 Rating, Add	*1,649.76*	
		For Class 55 Rating, Add	*2,460.90*	
		For Class 56 Rating, Add	*3,261.15*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,518.90	889.54
		For Class 52 Rating, Deduct	*-1,228.82*	
		For Class 54 Rating, Add	*1,691.84*	
		For Class 55 Rating, Add	*2,523.50*	
		For Class 56 Rating, Add	*3,344.00*	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,806.66	894.75
		For Class 52 Rating, Deduct	*-1,259.61*	
		For Class 54 Rating, Add	*1,733.92*	
		For Class 55 Rating, Add	*2,586.11*	
		For Class 56 Rating, Add	*3,426.85*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,094.43	899.95
		For Class 52 Rating, Deduct	*-1,290.40*	
		For Class 54 Rating, Add	*1,775.99*	
		For Class 55 Rating, Add	*2,648.71*	
		For Class 56 Rating, Add	*3,509.70*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,382.19	905.15
		For Class 52 Rating, Deduct	*-1,321.18*	
		For Class 54 Rating, Add	*1,818.07*	
		For Class 55 Rating, Add	*2,711.31*	
		For Class 56 Rating, Add	*3,592.55*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,669.96	910.35
		For Class 52 Rating, Deduct	*-1,351.97*	
		For Class 54 Rating, Add	*1,860.15*	
		For Class 55 Rating, Add	*2,773.92*	
		For Class 56 Rating, Add	*3,675.40*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,957.74	915.56
		For Class 52 Rating, Deduct	*-1,382.76*	
		For Class 54 Rating, Add	*1,902.23*	
		For Class 55 Rating, Add	*2,836.52*	
		For Class 56 Rating, Add	*3,758.25*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,245.50	920.75
		For Class 52 Rating, Deduct	*-1,413.55*	
		For Class 54 Rating, Add	*1,944.30*	
		For Class 55 Rating, Add	*2,899.13*	
		For Class 56 Rating, Add	*3,841.10*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,533.27	925.95
		For Class 52 Rating, Deduct	*-1,444.33*	
		For Class 54 Rating, Add	*1,986.38*	
		For Class 55 Rating, Add	*2,961.73*	
		For Class 56 Rating, Add	*3,923.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2275		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,795.34	873.94
		For Class 52 Rating, Deduct	*-381.83*	
		For Class 54 Rating, Add	*536.57*	
		For Class 55 Rating, Add	*805.86*	
		For Class 56 Rating, Add	*1,071.67*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,143.95	879.14
		For Class 52 Rating, Deduct	*-419.31*	
		For Class 54 Rating, Add	*587.77*	
		For Class 55 Rating, Add	*882.03*	
		For Class 56 Rating, Add	*1,172.47*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,492.56	884.34
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*638.98*	
		For Class 55 Rating, Add	*958.20*	
		For Class 56 Rating, Add	*1,273.27*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,841.18	889.54
		For Class 52 Rating, Deduct	*-494.27*	
		For Class 54 Rating, Add	*690.18*	
		For Class 55 Rating, Add	*1,034.37*	
		For Class 56 Rating, Add	*1,374.07*	
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,189.79	894.75
		For Class 52 Rating, Deduct	*-531.75*	
		For Class 54 Rating, Add	*741.39*	
		For Class 55 Rating, Add	*1,110.54*	
		For Class 56 Rating, Add	*1,474.87*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,538.40	899.95
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*792.59*	
		For Class 55 Rating, Add	*1,186.72*	
		For Class 56 Rating, Add	*1,575.67*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,887.01	905.15
		For Class 52 Rating, Deduct	*-606.71*	
		For Class 54 Rating, Add	*843.79*	
		For Class 55 Rating, Add	*1,262.89*	
		For Class 56 Rating, Add	*1,676.47*	
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,235.62	910.35
		For Class 52 Rating, Deduct	*-644.19*	
		For Class 54 Rating, Add	*895.00*	
		For Class 55 Rating, Add	*1,339.06*	
		For Class 56 Rating, Add	*1,777.27*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,584.24	915.56
		For Class 52 Rating, Deduct	*-681.67*	
		For Class 54 Rating, Add	*946.20*	
		For Class 55 Rating, Add	*1,415.23*	
		For Class 56 Rating, Add	*1,878.07*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,932.85	920.75
		For Class 52 Rating, Deduct	*-719.15*	
		For Class 54 Rating, Add	*997.41*	
		For Class 55 Rating, Add	*1,491.40*	
		For Class 56 Rating, Add	*1,978.87*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,281.46	925.95
		For Class 52 Rating, Deduct	*-756.64*	
		For Class 54 Rating, Add	*1,048.61*	
		For Class 55 Rating, Add	*1,567.58*	
		For Class 56 Rating, Add	*2,079.66*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,630.08	931.15
		For Class 52 Rating, Deduct	*-794.12*	
		For Class 54 Rating, Add	*1,099.82*	
		For Class 55 Rating, Add	*1,643.75*	
		For Class 56 Rating, Add	*2,180.47*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,978.69	936.36
		For Class 52 Rating, Deduct	*-831.60*	
		For Class 54 Rating, Add	*1,151.02*	
		For Class 55 Rating, Add	*1,719.92*	
		For Class 56 Rating, Add	*2,281.27*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,327.31	941.56
		For Class 52 Rating, Deduct	*-869.08*	
		For Class 54 Rating, Add	*1,202.22*	
		For Class 55 Rating, Add	*1,796.09*	
		For Class 56 Rating, Add	*2,382.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,675.92	946.76
		For Class 52 Rating, Deduct	*-906.56*	
		For Class 54 Rating, Add	*1,253.43*	
		For Class 55 Rating, Add	*1,872.27*	
		For Class 56 Rating, Add	*2,482.86*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,024.53	951.96
		For Class 52 Rating, Deduct	*-944.04*	
		For Class 54 Rating, Add	*1,304.63*	
		For Class 55 Rating, Add	*1,948.44*	
		For Class 56 Rating, Add	*2,583.66*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,373.14	957.17
		For Class 52 Rating, Deduct	*-981.52*	
		For Class 54 Rating, Add	*1,355.84*	
		For Class 55 Rating, Add	*2,024.61*	
		For Class 56 Rating, Add	*2,684.46*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,721.75	962.37
		For Class 52 Rating, Deduct	*-1,019.00*	
		For Class 54 Rating, Add	*1,407.04*	
		For Class 55 Rating, Add	*2,100.78*	
		For Class 56 Rating, Add	*2,785.26*	
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,070.37	967.57
		For Class 52 Rating, Deduct	*-1,056.48*	
		For Class 54 Rating, Add	*1,458.24*	
		For Class 55 Rating, Add	*2,176.95*	
		For Class 56 Rating, Add	*2,886.06*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,418.98	972.77
		For Class 52 Rating, Deduct	*-1,093.96*	
		For Class 54 Rating, Add	*1,509.45*	
		For Class 55 Rating, Add	*2,253.13*	
		For Class 56 Rating, Add	*2,986.86*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,767.59	977.98
		For Class 52 Rating, Deduct	*-1,131.44*	
		For Class 54 Rating, Add	*1,560.65*	
		For Class 55 Rating, Add	*2,329.30*	
		For Class 56 Rating, Add	*3,087.66*	
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,116.20	983.18
		For Class 52 Rating, Deduct	*-1,168.92*	
		For Class 54 Rating, Add	*1,611.86*	
		For Class 55 Rating, Add	*2,405.47*	
		For Class 56 Rating, Add	*3,188.46*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,464.82	988.38
		For Class 52 Rating, Deduct	*-1,206.40*	
		For Class 54 Rating, Add	*1,663.06*	
		For Class 55 Rating, Add	*2,481.64*	
		For Class 56 Rating, Add	*3,289.26*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,813.43	993.58
		For Class 52 Rating, Deduct	*-1,243.88*	
		For Class 54 Rating, Add	*1,714.27*	
		For Class 55 Rating, Add	*2,557.82*	
		For Class 56 Rating, Add	*3,390.06*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,162.05	998.79
		For Class 52 Rating, Deduct	*-1,281.36*	
		For Class 54 Rating, Add	*1,765.47*	
		For Class 55 Rating, Add	*2,633.99*	
		For Class 56 Rating, Add	*3,490.86*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,510.66	1,003.99
		For Class 52 Rating, Deduct	*-1,318.84*	
		For Class 54 Rating, Add	*1,816.67*	
		For Class 55 Rating, Add	*2,710.16*	
		For Class 56 Rating, Add	*3,591.66*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,859.27	1,009.19
		For Class 52 Rating, Deduct	*-1,356.32*	
		For Class 54 Rating, Add	*1,867.88*	
		For Class 55 Rating, Add	*2,786.33*	
		For Class 56 Rating, Add	*3,692.46*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,207.88	1,014.38
		For Class 52 Rating, Deduct	*-1,393.80*	
		For Class 54 Rating, Add	*1,919.08*	
		For Class 55 Rating, Add	*2,862.50*	
		For Class 56 Rating, Add	*3,793.25*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,556.49	1,019.59
		For Class 52 Rating, Deduct	*-1,431.28*	
		For Class 54 Rating, Add	*1,970.29*	
		For Class 55 Rating, Add	*2,938.68*	
		For Class 56 Rating, Add	*3,894.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,905.11	1,024.79
		For Class 52 Rating, Deduct	*-1,468.76*	
		For Class 54 Rating, Add	*2,021.49*	
		For Class 55 Rating, Add	*3,014.85*	
		For Class 56 Rating, Add	*3,994.85*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,253.72	1,029.99
		For Class 52 Rating, Deduct	*-1,506.24*	
		For Class 54 Rating, Add	*2,072.70*	
		For Class 55 Rating, Add	*3,091.02*	
		For Class 56 Rating, Add	*4,095.65*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,602.33	1,035.19
		For Class 52 Rating, Deduct	*-1,543.72*	
		For Class 54 Rating, Add	*2,123.90*	
		For Class 55 Rating, Add	*3,167.19*	
		For Class 56 Rating, Add	*4,196.45*	
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,950.94	1,040.40
		For Class 52 Rating, Deduct	*-1,581.20*	
		For Class 54 Rating, Add	*2,175.10*	
		For Class 55 Rating, Add	*3,243.36*	
		For Class 56 Rating, Add	*4,297.25*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,299.55	1,045.60
		For Class 52 Rating, Deduct	*-1,618.68*	
		For Class 54 Rating, Add	*2,226.31*	
		For Class 55 Rating, Add	*3,319.54*	
		For Class 56 Rating, Add	*4,398.05*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,648.18	1,050.80
		For Class 52 Rating, Deduct	*-1,656.17*	
		For Class 54 Rating, Add	*2,277.51*	
		For Class 55 Rating, Add	*3,395.71*	
		For Class 56 Rating, Add	*4,498.85*	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,996.79	1,056.00
		For Class 52 Rating, Deduct	*-1,693.65*	
		For Class 54 Rating, Add	*2,328.72*	
		For Class 55 Rating, Add	*3,471.88*	
		For Class 56 Rating, Add	*4,599.65*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,345.40	1,061.21
		For Class 52 Rating, Deduct	*-1,731.13*	
		For Class 54 Rating, Add	*2,379.92*	
		For Class 55 Rating, Add	*3,548.05*	
		For Class 56 Rating, Add	*4,700.45*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,694.01	1,066.41
		For Class 52 Rating, Deduct	*-1,768.61*	
		For Class 54 Rating, Add	*2,431.13*	
		For Class 55 Rating, Add	*3,624.23*	
		For Class 56 Rating, Add	*4,801.25*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,620.33	998.79
		For Class 52 Rating, Deduct	*-451.77*	
		For Class 54 Rating, Add	*634.21*	
		For Class 55 Rating, Add	*952.18*	
		For Class 56 Rating, Add	*1,266.05*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,023.71	1,003.99
		For Class 52 Rating, Deduct	*-495.28*	
		For Class 54 Rating, Add	*693.63*	
		For Class 55 Rating, Add	*1,040.57*	
		For Class 56 Rating, Add	*1,383.01*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,427.08	1,009.19
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*753.05*	
		For Class 55 Rating, Add	*1,128.95*	
		For Class 56 Rating, Add	*1,499.96*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,830.45	1,014.38
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*812.47*	
		For Class 55 Rating, Add	*1,217.34*	
		For Class 56 Rating, Add	*1,616.91*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,233.82	1,019.59
		For Class 52 Rating, Deduct	*-625.79*	
		For Class 54 Rating, Add	*871.89*	
		For Class 55 Rating, Add	*1,305.72*	
		For Class 56 Rating, Add	*1,733.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,637.20	1,024.79
		For Class 52 Rating, Deduct	*-669.29*	
		For Class 54 Rating, Add	*931.30*	
		For Class 55 Rating, Add	*1,394.10*	
		For Class 56 Rating, Add	*1,850.82*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,040.57	1,029.99
		For Class 52 Rating, Deduct	*-712.80*	
		For Class 54 Rating, Add	*990.72*	
		For Class 55 Rating, Add	*1,482.49*	
		For Class 56 Rating, Add	*1,967.77*	
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,443.94	1,035.19
		For Class 52 Rating, Deduct	*-756.30*	
		For Class 54 Rating, Add	*1,050.14*	
		For Class 55 Rating, Add	*1,570.87*	
		For Class 56 Rating, Add	*2,084.73*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,847.31	1,040.40
		For Class 52 Rating, Deduct	*-799.80*	
		For Class 54 Rating, Add	*1,109.56*	
		For Class 55 Rating, Add	*1,659.25*	
		For Class 56 Rating, Add	*2,201.68*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,250.68	1,045.60
		For Class 52 Rating, Deduct	*-843.31*	
		For Class 54 Rating, Add	*1,168.98*	
		For Class 55 Rating, Add	*1,747.64*	
		For Class 56 Rating, Add	*2,318.63*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,654.07	1,050.80
		For Class 52 Rating, Deduct	*-886.81*	
		For Class 54 Rating, Add	*1,228.40*	
		For Class 55 Rating, Add	*1,836.02*	
		For Class 56 Rating, Add	*2,435.59*	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,057.44	1,056.00
		For Class 52 Rating, Deduct	*-930.32*	
		For Class 54 Rating, Add	*1,287.81*	
		For Class 55 Rating, Add	*1,924.41*	
		For Class 56 Rating, Add	*2,552.54*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,460.81	1,061.21
		For Class 52 Rating, Deduct	*-973.82*	
		For Class 54 Rating, Add	*1,347.23*	
		For Class 55 Rating, Add	*2,012.79*	
		For Class 56 Rating, Add	*2,669.50*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,864.18	1,066.41
		For Class 52 Rating, Deduct	*-1,017.33*	
		For Class 54 Rating, Add	*1,406.65*	
		For Class 55 Rating, Add	*2,101.17*	
		For Class 56 Rating, Add	*2,786.45*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,267.55	1,071.61
		For Class 52 Rating, Deduct	*-1,060.83*	
		For Class 54 Rating, Add	*1,466.07*	
		For Class 55 Rating, Add	*2,189.56*	
		For Class 56 Rating, Add	*2,903.40*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,670.93	1,076.81
		For Class 52 Rating, Deduct	*-1,104.33*	
		For Class 54 Rating, Add	*1,525.49*	
		For Class 55 Rating, Add	*2,277.94*	
		For Class 56 Rating, Add	*3,020.36*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,074.30	1,082.02
		For Class 52 Rating, Deduct	*-1,147.84*	
		For Class 54 Rating, Add	*1,584.91*	
		For Class 55 Rating, Add	*2,366.32*	
		For Class 56 Rating, Add	*3,137.31*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,477.67	1,087.22
		For Class 52 Rating, Deduct	*-1,191.34*	
		For Class 54 Rating, Add	*1,644.32*	
		For Class 55 Rating, Add	*2,454.71*	
		For Class 56 Rating, Add	*3,254.26*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,881.05	1,092.42
		For Class 52 Rating, Deduct	*-1,234.85*	
		For Class 54 Rating, Add	*1,703.74*	
		For Class 55 Rating, Add	*2,543.09*	
		For Class 56 Rating, Add	*3,371.22*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,284.42	1,097.62
		For Class 52 Rating, Deduct	*-1,278.35*	
		For Class 54 Rating, Add	*1,763.16*	
		For Class 55 Rating, Add	*2,631.48*	
		For Class 56 Rating, Add	*3,488.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,687.79	1,102.83
		For Class 52 Rating, Deduct	*-1,321.85*	
		For Class 54 Rating, Add	*1,822.58*	
		For Class 55 Rating, Add	*2,719.86*	
		For Class 56 Rating, Add	*3,605.12*	
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,091.17	1,108.03
		For Class 52 Rating, Deduct	*-1,365.36*	
		For Class 54 Rating, Add	*1,882.00*	
		For Class 55 Rating, Add	*2,808.24*	
		For Class 56 Rating, Add	*3,722.08*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,494.54	1,113.22
		For Class 52 Rating, Deduct	*-1,408.86*	
		For Class 54 Rating, Add	*1,941.42*	
		For Class 55 Rating, Add	*2,896.63*	
		For Class 56 Rating, Add	*3,839.03*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,897.91	1,118.42
		For Class 52 Rating, Deduct	*-1,452.37*	
		For Class 54 Rating, Add	*2,000.83*	
		For Class 55 Rating, Add	*2,985.01*	
		For Class 56 Rating, Add	*3,955.98*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,301.28	1,123.63
		For Class 52 Rating, Deduct	*-1,495.87*	
		For Class 54 Rating, Add	*2,060.25*	
		For Class 55 Rating, Add	*3,073.39*	
		For Class 56 Rating, Add	*4,072.94*	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,704.65	1,128.83
		For Class 52 Rating, Deduct	*-1,539.37*	
		For Class 54 Rating, Add	*2,119.67*	
		For Class 55 Rating, Add	*3,161.78*	
		For Class 56 Rating, Add	*4,189.89*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,108.04	1,134.03
		For Class 52 Rating, Deduct	*-1,582.88*	
		For Class 54 Rating, Add	*2,179.09*	
		For Class 55 Rating, Add	*3,250.16*	
		For Class 56 Rating, Add	*4,306.85*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,511.41	1,139.23
		For Class 52 Rating, Deduct	*-1,626.38*	
		For Class 54 Rating, Add	*2,238.51*	
		For Class 55 Rating, Add	*3,338.55*	
		For Class 56 Rating, Add	*4,423.80*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,914.78	1,144.44
		For Class 52 Rating, Deduct	*-1,669.89*	
		For Class 54 Rating, Add	*2,297.93*	
		For Class 55 Rating, Add	*3,426.93*	
		For Class 56 Rating, Add	*4,540.75*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,318.15	1,149.64
		For Class 52 Rating, Deduct	*-1,713.39*	
		For Class 54 Rating, Add	*2,357.34*	
		For Class 55 Rating, Add	*3,515.31*	
		For Class 56 Rating, Add	*4,657.71*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,721.52	1,154.84
		For Class 52 Rating, Deduct	*-1,756.89*	
		For Class 54 Rating, Add	*2,416.76*	
		For Class 55 Rating, Add	*3,603.70*	
		For Class 56 Rating, Add	*4,774.66*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,124.90	1,160.04
		For Class 52 Rating, Deduct	*-1,800.40*	
		For Class 54 Rating, Add	*2,476.18*	
		For Class 55 Rating, Add	*3,692.08*	
		For Class 56 Rating, Add	*4,891.61*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,528.27	1,165.25
		For Class 52 Rating, Deduct	*-1,843.90*	
		For Class 54 Rating, Add	*2,535.60*	
		For Class 55 Rating, Add	*3,780.46*	
		For Class 56 Rating, Add	*5,008.57*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,931.64	1,170.45
		For Class 52 Rating, Deduct	*-1,887.41*	
		For Class 54 Rating, Add	*2,595.02*	
		For Class 55 Rating, Add	*3,868.85*	
		For Class 56 Rating, Add	*5,125.52*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,335.01	1,175.65
		For Class 52 Rating, Deduct	*-1,930.91*	
		For Class 54 Rating, Add	*2,654.43*	
		For Class 55 Rating, Add	*3,957.23*	
		For Class 56 Rating, Add	*5,242.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,738.39	1,180.85
		For Class 52 Rating, Deduct	*-1,974.41*	
		For Class 54 Rating, Add	*2,713.85*	
		For Class 55 Rating, Add	*4,045.62*	
		For Class 56 Rating, Add	*5,359.43*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,141.77	1,186.06
		For Class 52 Rating, Deduct	*-2,017.92*	
		For Class 54 Rating, Add	*2,773.27*	
		For Class 55 Rating, Add	*4,134.00*	
		For Class 56 Rating, Add	*5,476.38*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,545.14	1,191.26
		For Class 52 Rating, Deduct	*-2,061.42*	
		For Class 54 Rating, Add	*2,832.69*	
		For Class 55 Rating, Add	*4,222.38*	
		For Class 56 Rating, Add	*5,593.34*	

40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,542.78	1,125.71
		For Class 52 Rating, Deduct	*-532.09*	
		For Class 54 Rating, Add	*746.04*	
		For Class 55 Rating, Add	*1,119.62*	
		For Class 56 Rating, Add	*1,488.36*	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,007.00	1,130.91
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*814.59*	
		For Class 55 Rating, Add	*1,221.57*	
		For Class 56 Rating, Add	*1,623.27*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,471.22	1,136.11
		For Class 52 Rating, Deduct	*-632.48*	
		For Class 54 Rating, Add	*883.13*	
		For Class 55 Rating, Add	*1,323.53*	
		For Class 56 Rating, Add	*1,758.17*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,935.44	1,141.32
		For Class 52 Rating, Deduct	*-682.68*	
		For Class 54 Rating, Add	*951.68*	
		For Class 55 Rating, Add	*1,425.48*	
		For Class 56 Rating, Add	*1,893.07*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,399.66	1,146.52
		For Class 52 Rating, Deduct	*-732.88*	
		For Class 54 Rating, Add	*1,020.22*	
		For Class 55 Rating, Add	*1,527.43*	
		For Class 56 Rating, Add	*2,027.98*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,863.87	1,151.72
		For Class 52 Rating, Deduct	*-783.07*	
		For Class 54 Rating, Add	*1,088.77*	
		For Class 55 Rating, Add	*1,629.38*	
		For Class 56 Rating, Add	*2,162.88*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,328.09	1,156.92
		For Class 52 Rating, Deduct	*-833.27*	
		For Class 54 Rating, Add	*1,157.31*	
		For Class 55 Rating, Add	*1,731.33*	
		For Class 56 Rating, Add	*2,297.78*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,792.30	1,162.13
		For Class 52 Rating, Deduct	*-883.47*	
		For Class 54 Rating, Add	*1,225.86*	
		For Class 55 Rating, Add	*1,833.29*	
		For Class 56 Rating, Add	*2,432.68*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,256.53	1,167.33
		For Class 52 Rating, Deduct	*-933.66*	
		For Class 54 Rating, Add	*1,294.40*	
		For Class 55 Rating, Add	*1,935.24*	
		For Class 56 Rating, Add	*2,567.59*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,720.75	1,172.53
		For Class 52 Rating, Deduct	*-983.86*	
		For Class 54 Rating, Add	*1,362.95*	
		For Class 55 Rating, Add	*2,037.19*	
		For Class 56 Rating, Add	*2,702.49*	
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,184.96	1,177.73
		For Class 52 Rating, Deduct	*-1,034.06*	
		For Class 54 Rating, Add	*1,431.49*	
		For Class 55 Rating, Add	*2,139.14*	
		For Class 56 Rating, Add	*2,837.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,649.18	1,182.94
		For Class 52 Rating, Deduct	*-1,084.25*	
		For Class 54 Rating, Add	*1,500.04*	
		For Class 55 Rating, Add	*2,241.10*	
		For Class 56 Rating, Add	*2,972.30*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,113.39	1,188.14
		For Class 52 Rating, Deduct	*-1,134.45*	
		For Class 54 Rating, Add	*1,568.58*	
		For Class 55 Rating, Add	*2,343.05*	
		For Class 56 Rating, Add	*3,107.20*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,577.62	1,193.34
		For Class 52 Rating, Deduct	*-1,184.65*	
		For Class 54 Rating, Add	*1,637.13*	
		For Class 55 Rating, Add	*2,445.00*	
		For Class 56 Rating, Add	*3,242.10*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,041.84	1,198.54
		For Class 52 Rating, Deduct	*-1,234.85*	
		For Class 54 Rating, Add	*1,705.67*	
		For Class 55 Rating, Add	*2,546.95*	
		For Class 56 Rating, Add	*3,377.01*	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,506.05	1,203.75
		For Class 52 Rating, Deduct	*-1,285.04*	
		For Class 54 Rating, Add	*1,774.22*	
		For Class 55 Rating, Add	*2,648.90*	
		For Class 56 Rating, Add	*3,511.91*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,970.27	1,208.94
		For Class 52 Rating, Deduct	*-1,335.24*	
		For Class 54 Rating, Add	*1,842.76*	
		For Class 55 Rating, Add	*2,750.86*	
		For Class 56 Rating, Add	*3,646.81*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,434.48	1,214.14
		For Class 52 Rating, Deduct	*-1,385.44*	
		For Class 54 Rating, Add	*1,911.31*	
		For Class 55 Rating, Add	*2,852.81*	
		For Class 56 Rating, Add	*3,781.71*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,898.71	1,219.34
		For Class 52 Rating, Deduct	*-1,435.63*	
		For Class 54 Rating, Add	*1,979.85*	
		For Class 55 Rating, Add	*2,954.76*	
		For Class 56 Rating, Add	*3,916.62*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,362.93	1,224.55
		For Class 52 Rating, Deduct	*-1,485.83*	
		For Class 54 Rating, Add	*2,048.40*	
		For Class 55 Rating, Add	*3,056.71*	
		For Class 56 Rating, Add	*4,051.52*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,827.14	1,229.75
		For Class 52 Rating, Deduct	*-1,536.03*	
		For Class 54 Rating, Add	*2,116.94*	
		For Class 55 Rating, Add	*3,158.66*	
		For Class 56 Rating, Add	*4,186.42*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,291.36	1,234.95
		For Class 52 Rating, Deduct	*-1,586.22*	
		For Class 54 Rating, Add	*2,185.49*	
		For Class 55 Rating, Add	*3,260.62*	
		For Class 56 Rating, Add	*4,321.33*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,755.57	1,240.15
		For Class 52 Rating, Deduct	*-1,636.42*	
		For Class 54 Rating, Add	*2,254.03*	
		For Class 55 Rating, Add	*3,362.57*	
		For Class 56 Rating, Add	*4,456.23*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,219.80	1,245.36
		For Class 52 Rating, Deduct	*-1,686.62*	
		For Class 54 Rating, Add	*2,322.58*	
		For Class 55 Rating, Add	*3,464.52*	
		For Class 56 Rating, Add	*4,591.13*	
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,684.02	1,250.56
		For Class 52 Rating, Deduct	*-1,736.82*	
		For Class 54 Rating, Add	*2,391.12*	
		For Class 55 Rating, Add	*3,566.47*	
		For Class 56 Rating, Add	*4,726.04*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,148.23	1,255.76
		For Class 52 Rating, Deduct	*-1,787.01*	
		For Class 54 Rating, Add	*2,459.67*	
		For Class 55 Rating, Add	*3,668.42*	
		For Class 56 Rating, Add	*4,860.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,612.45	1,260.96
		For Class 52 Rating, Deduct	*-1,837.21*	
		For Class 54 Rating, Add	*2,528.21*	
		For Class 55 Rating, Add	*3,770.38*	
		For Class 56 Rating, Add	*4,995.84*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,076.66	1,266.17
		For Class 52 Rating, Deduct	*-1,887.41*	
		For Class 54 Rating, Add	*2,596.76*	
		For Class 55 Rating, Add	*3,872.33*	
		For Class 56 Rating, Add	*5,130.74*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,540.88	1,271.37
		For Class 52 Rating, Deduct	*-1,937.60*	
		For Class 54 Rating, Add	*2,665.30*	
		For Class 55 Rating, Add	*3,974.28*	
		For Class 56 Rating, Add	*5,265.65*	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,005.11	1,276.57
		For Class 52 Rating, Deduct	*-1,987.80*	
		For Class 54 Rating, Add	*2,733.85*	
		For Class 55 Rating, Add	*4,076.23*	
		For Class 56 Rating, Add	*5,400.55*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,469.32	1,281.77
		For Class 52 Rating, Deduct	*-2,038.00*	
		For Class 54 Rating, Add	*2,802.39*	
		For Class 55 Rating, Add	*4,178.18*	
		For Class 56 Rating, Add	*5,535.45*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,933.54	1,286.98
		For Class 52 Rating, Deduct	*-2,088.19*	
		For Class 54 Rating, Add	*2,870.94*	
		For Class 55 Rating, Add	*4,280.14*	
		For Class 56 Rating, Add	*5,670.35*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,397.75	1,292.18
		For Class 52 Rating, Deduct	*-2,138.39*	
		For Class 54 Rating, Add	*2,939.48*	
		For Class 55 Rating, Add	*4,382.09*	
		For Class 56 Rating, Add	*5,805.26*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,861.97	1,297.38
		For Class 52 Rating, Deduct	*-2,188.59*	
		For Class 54 Rating, Add	*3,008.03*	
		For Class 55 Rating, Add	*4,484.04*	
		For Class 56 Rating, Add	*5,940.16*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,326.20	1,302.57
		For Class 52 Rating, Deduct	*-2,238.78*	
		For Class 54 Rating, Add	*3,076.57*	
		For Class 55 Rating, Add	*4,585.99*	
		For Class 56 Rating, Add	*6,075.06*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,790.41	1,307.78
		For Class 52 Rating, Deduct	*-2,288.98*	
		For Class 54 Rating, Add	*3,145.12*	
		For Class 55 Rating, Add	*4,687.94*	
		For Class 56 Rating, Add	*6,209.97*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,254.63	1,312.98
		For Class 52 Rating, Deduct	*-2,339.18*	
		For Class 54 Rating, Add	*3,213.66*	
		For Class 55 Rating, Add	*4,789.90*	
		For Class 56 Rating, Add	*6,344.87*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,718.84	1,318.18
		For Class 52 Rating, Deduct	*-2,389.37*	
		For Class 54 Rating, Add	*3,282.21*	
		For Class 55 Rating, Add	*4,891.85*	
		For Class 56 Rating, Add	*6,479.77*	
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,651.00	1,284.90
		For Class 52 Rating, Deduct	*-627.46*	
		For Class 54 Rating, Add	*878.99*	
		For Class 55 Rating, Add	*1,318.76*	
		For Class 56 Rating, Add	*1,752.82*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,179.10	1,290.10
		For Class 52 Rating, Deduct	*-684.69*	
		For Class 54 Rating, Add	*957.12*	
		For Class 55 Rating, Add	*1,434.96*	
		For Class 56 Rating, Add	*1,906.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,707.22	1,295.30
		For Class 52 Rating, Deduct	*-741.91*	
		For Class 54 Rating, Add	*1,035.25*	
		For Class 55 Rating, Add	*1,551.16*	
		For Class 56 Rating, Add	*2,060.32*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,235.32	1,300.50
		For Class 52 Rating, Deduct	*-799.14*	
		For Class 54 Rating, Add	*1,113.38*	
		For Class 55 Rating, Add	*1,667.36*	
		For Class 56 Rating, Add	*2,214.07*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,763.42	1,305.70
		For Class 52 Rating, Deduct	*-856.36*	
		For Class 54 Rating, Add	*1,191.50*	
		For Class 55 Rating, Add	*1,783.55*	
		For Class 56 Rating, Add	*2,367.82*	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,291.53	1,310.90
		For Class 52 Rating, Deduct	*-913.59*	
		For Class 54 Rating, Add	*1,269.63*	
		For Class 55 Rating, Add	*1,899.76*	
		For Class 56 Rating, Add	*2,521.57*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,819.63	1,316.10
		For Class 52 Rating, Deduct	*-970.81*	
		For Class 54 Rating, Add	*1,347.76*	
		For Class 55 Rating, Add	*2,015.95*	
		For Class 56 Rating, Add	*2,675.32*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,347.74	1,321.30
		For Class 52 Rating, Deduct	*-1,028.03*	
		For Class 54 Rating, Add	*1,425.89*	
		For Class 55 Rating, Add	*2,132.15*	
		For Class 56 Rating, Add	*2,829.07*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,875.84	1,326.51
		For Class 52 Rating, Deduct	*-1,085.26*	
		For Class 54 Rating, Add	*1,504.02*	
		For Class 55 Rating, Add	*2,248.35*	
		For Class 56 Rating, Add	*2,982.82*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,403.95	1,331.71
		For Class 52 Rating, Deduct	*-1,142.48*	
		For Class 54 Rating, Add	*1,582.14*	
		For Class 55 Rating, Add	*2,364.55*	
		For Class 56 Rating, Add	*3,136.57*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,932.05	1,336.91
		For Class 52 Rating, Deduct	*-1,199.71*	
		For Class 54 Rating, Add	*1,660.27*	
		For Class 55 Rating, Add	*2,480.75*	
		For Class 56 Rating, Add	*3,290.32*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,460.15	1,342.11
		For Class 52 Rating, Deduct	*-1,256.93*	
		For Class 54 Rating, Add	*1,738.40*	
		For Class 55 Rating, Add	*2,596.95*	
		For Class 56 Rating, Add	*3,444.07*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,988.26	1,347.32
		For Class 52 Rating, Deduct	*-1,314.16*	
		For Class 54 Rating, Add	*1,816.53*	
		For Class 55 Rating, Add	*2,713.15*	
		For Class 56 Rating, Add	*3,597.82*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,516.37	1,352.52
		For Class 52 Rating, Deduct	*-1,371.38*	
		For Class 54 Rating, Add	*1,894.66*	
		For Class 55 Rating, Add	*2,829.35*	
		For Class 56 Rating, Add	*3,751.57*	
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,044.47	1,357.72
		For Class 52 Rating, Deduct	*-1,428.61*	
		For Class 54 Rating, Add	*1,972.78*	
		For Class 55 Rating, Add	*2,945.54*	
		For Class 56 Rating, Add	*3,905.32*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,572.58	1,362.92
		For Class 52 Rating, Deduct	*-1,485.83*	
		For Class 54 Rating, Add	*2,050.91*	
		For Class 55 Rating, Add	*3,061.74*	
		For Class 56 Rating, Add	*4,059.07*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,100.68	1,368.13
		For Class 52 Rating, Deduct	*-1,543.05*	
		For Class 54 Rating, Add	*2,129.04*	
		For Class 55 Rating, Add	*3,177.94*	
		For Class 56 Rating, Add	*4,212.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,628.78	1,373.33
		For Class 52 Rating, Deduct	*-1,600.28*	
		For Class 54 Rating, Add	*2,207.17*	
		For Class 55 Rating, Add	*3,294.14*	
		For Class 56 Rating, Add	*4,366.57*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,156.89	1,378.53
		For Class 52 Rating, Deduct	*-1,657.50*	
		For Class 54 Rating, Add	*2,285.30*	
		For Class 55 Rating, Add	*3,410.34*	
		For Class 56 Rating, Add	*4,520.31*	
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,685.00	1,383.73
		For Class 52 Rating, Deduct	*-1,714.73*	
		For Class 54 Rating, Add	*2,363.42*	
		For Class 55 Rating, Add	*3,526.54*	
		For Class 56 Rating, Add	*4,674.07*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,213.10	1,388.94
		For Class 52 Rating, Deduct	*-1,771.95*	
		For Class 54 Rating, Add	*2,441.55*	
		For Class 55 Rating, Add	*3,642.74*	
		For Class 56 Rating, Add	*4,827.81*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,741.20	1,394.14
		For Class 52 Rating, Deduct	*-1,829.18*	
		For Class 54 Rating, Add	*2,519.68*	
		For Class 55 Rating, Add	*3,758.94*	
		For Class 56 Rating, Add	*4,981.56*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,269.31	1,399.33
		For Class 52 Rating, Deduct	*-1,886.40*	
		For Class 54 Rating, Add	*2,597.81*	
		For Class 55 Rating, Add	*3,875.14*	
		For Class 56 Rating, Add	*5,135.31*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,797.42	1,404.53
		For Class 52 Rating, Deduct	*-1,943.63*	
		For Class 54 Rating, Add	*2,675.94*	
		For Class 55 Rating, Add	*3,991.33*	
		For Class 56 Rating, Add	*5,289.06*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,325.52	1,409.74
		For Class 52 Rating, Deduct	*-2,000.85*	
		For Class 54 Rating, Add	*2,754.06*	
		For Class 55 Rating, Add	*4,107.53*	
		For Class 56 Rating, Add	*5,442.81*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,853.63	1,414.94
		For Class 52 Rating, Deduct	*-2,058.08*	
		For Class 54 Rating, Add	*2,832.19*	
		For Class 55 Rating, Add	*4,223.73*	
		For Class 56 Rating, Add	*5,596.56*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,381.73	1,420.14
		For Class 52 Rating, Deduct	*-2,115.30*	
		For Class 54 Rating, Add	*2,910.32*	
		For Class 55 Rating, Add	*4,339.93*	
		For Class 56 Rating, Add	*5,750.31*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,909.83	1,425.34
		For Class 52 Rating, Deduct	*-2,172.52*	
		For Class 54 Rating, Add	*2,988.45*	
		For Class 55 Rating, Add	*4,456.13*	
		For Class 56 Rating, Add	*5,904.06*	
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,437.95	1,430.55
		For Class 52 Rating, Deduct	*-2,229.75*	
		For Class 54 Rating, Add	*3,066.58*	
		For Class 55 Rating, Add	*4,572.33*	
		For Class 56 Rating, Add	*6,057.81*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,966.05	1,435.75
		For Class 52 Rating, Deduct	*-2,286.97*	
		For Class 54 Rating, Add	*3,144.71*	
		For Class 55 Rating, Add	*4,688.53*	
		For Class 56 Rating, Add	*6,211.56*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,494.15	1,440.95
		For Class 52 Rating, Deduct	*-2,344.20*	
		For Class 54 Rating, Add	*3,222.83*	
		For Class 55 Rating, Add	*4,804.73*	
		For Class 56 Rating, Add	*6,365.31*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,022.25	1,446.15
		For Class 52 Rating, Deduct	*-2,401.42*	
		For Class 54 Rating, Add	*3,300.96*	
		For Class 55 Rating, Add	*4,920.92*	
		For Class 56 Rating, Add	*6,519.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,550.36	1,451.36
		For Class 52 Rating, Deduct	*-2,458.65*	
		For Class 54 Rating, Add	*3,379.09*	
		For Class 55 Rating, Add	*5,037.13*	
		For Class 56 Rating, Add	*6,672.81*	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,078.46	1,456.56
		For Class 52 Rating, Deduct	*-2,515.87*	
		For Class 54 Rating, Add	*3,457.22*	
		For Class 55 Rating, Add	*5,153.32*	
		For Class 56 Rating, Add	*6,826.56*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,606.57	1,461.76
		For Class 52 Rating, Deduct	*-2,573.10*	
		For Class 54 Rating, Add	*3,535.34*	
		For Class 55 Rating, Add	*5,269.52*	
		For Class 56 Rating, Add	*6,980.31*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,134.68	1,466.96
		For Class 52 Rating, Deduct	*-2,630.32*	
		For Class 54 Rating, Add	*3,613.47*	
		For Class 55 Rating, Add	*5,385.72*	
		For Class 56 Rating, Add	*7,134.06*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,662.78	1,472.17
		For Class 52 Rating, Deduct	*-2,687.55*	
		For Class 54 Rating, Add	*3,691.60*	
		For Class 55 Rating, Add	*5,501.92*	
		For Class 56 Rating, Add	*7,287.81*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,190.88	1,477.37
		For Class 52 Rating, Deduct	*-2,744.77*	
		For Class 54 Rating, Add	*3,769.73*	
		For Class 55 Rating, Add	*5,618.12*	
		For Class 56 Rating, Add	*7,441.56*	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,420.33	1,518.98
		For Class 52 Rating, Deduct	*-783.07*	
		For Class 54 Rating, Add	*1,095.44*	
		For Class 55 Rating, Add	*1,642.74*	
		For Class 56 Rating, Add	*2,182.91*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,073.17	1,524.18
		For Class 52 Rating, Deduct	*-854.02*	
		For Class 54 Rating, Add	*1,192.28*	
		For Class 55 Rating, Add	*1,786.75*	
		For Class 56 Rating, Add	*2,373.46*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,726.00	1,529.38
		For Class 52 Rating, Deduct	*-924.96*	
		For Class 54 Rating, Add	*1,289.12*	
		For Class 55 Rating, Add	*1,930.77*	
		For Class 56 Rating, Add	*2,564.00*	
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,378.84	1,534.59
		For Class 52 Rating, Deduct	*-995.91*	
		For Class 54 Rating, Add	*1,385.96*	
		For Class 55 Rating, Add	*2,074.78*	
		For Class 56 Rating, Add	*2,754.55*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,031.68	1,539.79
		For Class 52 Rating, Deduct	*-1,066.85*	
		For Class 54 Rating, Add	*1,482.80*	
		For Class 55 Rating, Add	*2,218.79*	
		For Class 56 Rating, Add	*2,945.09*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,684.52	1,544.99
		For Class 52 Rating, Deduct	*-1,137.80*	
		For Class 54 Rating, Add	*1,579.63*	
		For Class 55 Rating, Add	*2,362.81*	
		For Class 56 Rating, Add	*3,135.64*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,337.35	1,550.19
		For Class 52 Rating, Deduct	*-1,208.74*	
		For Class 54 Rating, Add	*1,676.47*	
		For Class 55 Rating, Add	*2,506.82*	
		For Class 56 Rating, Add	*3,326.18*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,990.19	1,555.40
		For Class 52 Rating, Deduct	*-1,279.69*	
		For Class 54 Rating, Add	*1,773.31*	
		For Class 55 Rating, Add	*2,650.84*	
		For Class 56 Rating, Add	*3,516.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,643.02	1,560.60
		For Class 52 Rating, Deduct	*-1,350.63*	
		For Class 54 Rating, Add	*1,870.15*	
		For Class 55 Rating, Add	*2,794.85*	
		For Class 56 Rating, Add	*3,707.28*	
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,295.86	1,565.80
		For Class 52 Rating, Deduct	*-1,421.58*	
		For Class 54 Rating, Add	*1,966.99*	
		For Class 55 Rating, Add	*2,938.87*	
		For Class 56 Rating, Add	*3,897.82*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,948.70	1,571.00
		For Class 52 Rating, Deduct	*-1,492.52*	
		For Class 54 Rating, Add	*2,063.82*	
		For Class 55 Rating, Add	*3,082.88*	
		For Class 56 Rating, Add	*4,088.37*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,601.54	1,576.21
		For Class 52 Rating, Deduct	*-1,563.47*	
		For Class 54 Rating, Add	*2,160.66*	
		For Class 55 Rating, Add	*3,226.89*	
		For Class 56 Rating, Add	*4,278.91*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,254.37	1,581.41
		For Class 52 Rating, Deduct	*-1,634.41*	
		For Class 54 Rating, Add	*2,257.50*	
		For Class 55 Rating, Add	*3,370.91*	
		For Class 56 Rating, Add	*4,469.46*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,907.21	1,586.61
		For Class 52 Rating, Deduct	*-1,705.36*	
		For Class 54 Rating, Add	*2,354.34*	
		For Class 55 Rating, Add	*3,514.92*	
		For Class 56 Rating, Add	*4,660.00*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,560.04	1,591.82
		For Class 52 Rating, Deduct	*-1,776.30*	
		For Class 54 Rating, Add	*2,451.17*	
		For Class 55 Rating, Add	*3,658.93*	
		For Class 56 Rating, Add	*4,850.55*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,212.88	1,597.01
		For Class 52 Rating, Deduct	*-1,847.25*	
		For Class 54 Rating, Add	*2,548.01*	
		For Class 55 Rating, Add	*3,802.95*	
		For Class 56 Rating, Add	*5,041.09*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,865.72	1,602.21
		For Class 52 Rating, Deduct	*-1,918.19*	
		For Class 54 Rating, Add	*2,644.85*	
		For Class 55 Rating, Add	*3,946.96*	
		For Class 56 Rating, Add	*5,231.64*	
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,518.55	1,607.41
		For Class 52 Rating, Deduct	*-1,989.14*	
		For Class 54 Rating, Add	*2,741.69*	
		For Class 55 Rating, Add	*4,090.98*	
		For Class 56 Rating, Add	*5,422.18*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,171.39	1,612.62
		For Class 52 Rating, Deduct	*-2,060.08*	
		For Class 54 Rating, Add	*2,838.52*	
		For Class 55 Rating, Add	*4,234.99*	
		For Class 56 Rating, Add	*5,612.73*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,824.22	1,617.82
		For Class 52 Rating, Deduct	*-2,131.03*	
		For Class 54 Rating, Add	*2,935.36*	
		For Class 55 Rating, Add	*4,379.00*	
		For Class 56 Rating, Add	*5,803.27*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,477.07	1,623.02
		For Class 52 Rating, Deduct	*-2,201.97*	
		For Class 54 Rating, Add	*3,032.20*	
		For Class 55 Rating, Add	*4,523.02*	
		For Class 56 Rating, Add	*5,993.82*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,129.90	1,628.22
		For Class 52 Rating, Deduct	*-2,272.92*	
		For Class 54 Rating, Add	*3,129.04*	
		For Class 55 Rating, Add	*4,667.03*	
		For Class 56 Rating, Add	*6,184.36*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,782.74	1,633.43
		For Class 52 Rating, Deduct	*-2,343.86*	
		For Class 54 Rating, Add	*3,225.88*	
		For Class 55 Rating, Add	*4,811.05*	
		For Class 56 Rating, Add	*6,374.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,435.57	1,638.63
		For Class 52 Rating, Deduct	*-2,414.81*	
		For Class 54 Rating, Add	*3,322.71*	
		For Class 55 Rating, Add	*4,955.06*	
		For Class 56 Rating, Add	*6,565.46*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,088.41	1,643.83
		For Class 52 Rating, Deduct	*-2,485.75*	
		For Class 54 Rating, Add	*3,419.55*	
		For Class 55 Rating, Add	*5,099.08*	
		For Class 56 Rating, Add	*6,756.00*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,741.25	1,649.03
		For Class 52 Rating, Deduct	*-2,556.70*	
		For Class 54 Rating, Add	*3,516.39*	
		For Class 55 Rating, Add	*5,243.09*	
		For Class 56 Rating, Add	*6,946.55*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,394.09	1,654.24
		For Class 52 Rating, Deduct	*-2,627.64*	
		For Class 54 Rating, Add	*3,613.23*	
		For Class 55 Rating, Add	*5,387.10*	
		For Class 56 Rating, Add	*7,137.09*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,046.92	1,659.44
		For Class 52 Rating, Deduct	*-2,698.59*	
		For Class 54 Rating, Add	*3,710.06*	
		For Class 55 Rating, Add	*5,531.12*	
		For Class 56 Rating, Add	*7,327.64*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,699.76	1,664.64
		For Class 52 Rating, Deduct	*-2,769.53*	
		For Class 54 Rating, Add	*3,806.90*	
		For Class 55 Rating, Add	*5,675.13*	
		For Class 56 Rating, Add	*7,518.18*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,486.59	1,758.28
		For Class 52 Rating, Deduct	*-2,840.48*	
		For Class 54 Rating, Add	*3,905.35*	
		For Class 55 Rating, Add	*5,822.36*	
		For Class 56 Rating, Add	*7,713.55*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,139.43	1,763.48
		For Class 52 Rating, Deduct	*-2,911.42*	
		For Class 54 Rating, Add	*4,002.19*	
		For Class 55 Rating, Add	*5,966.38*	
		For Class 56 Rating, Add	*7,904.10*	
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,792.26	1,768.68
		For Class 52 Rating, Deduct	*-2,982.37*	
		For Class 54 Rating, Add	*4,099.02*	
		For Class 55 Rating, Add	*6,110.39*	
		For Class 56 Rating, Add	*8,094.64*	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,445.10	1,773.88
		For Class 52 Rating, Deduct	*-3,053.31*	
		For Class 54 Rating, Add	*4,195.86*	
		For Class 55 Rating, Add	*6,254.41*	
		For Class 56 Rating, Add	*8,285.19*	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,097.93	1,779.09
		For Class 52 Rating, Deduct	*-3,124.26*	
		For Class 54 Rating, Add	*4,292.70*	
		For Class 55 Rating, Add	*6,398.42*	
		For Class 56 Rating, Add	*8,475.73*	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,750.78	1,784.29
		For Class 52 Rating, Deduct	*-3,195.20*	
		For Class 54 Rating, Add	*4,389.54*	
		For Class 55 Rating, Add	*6,542.43*	
		For Class 56 Rating, Add	*8,666.28*	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,403.60	1,789.48
		For Class 52 Rating, Deduct	*-3,266.15*	
		For Class 54 Rating, Add	*4,486.38*	
		For Class 55 Rating, Add	*6,686.45*	
		For Class 56 Rating, Add	*8,856.82*	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,056.44	1,794.68
		For Class 52 Rating, Deduct	*-3,337.09*	
		For Class 54 Rating, Add	*4,583.21*	
		For Class 55 Rating, Add	*6,830.46*	
		For Class 56 Rating, Add	*9,047.37*	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,709.27	1,799.89
		For Class 52 Rating, Deduct	*-3,408.04*	
		For Class 54 Rating, Add	*4,680.05*	
		For Class 55 Rating, Add	*6,974.47*	
		For Class 56 Rating, Add	*9,237.92*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2470		30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2471	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,515.77	2,143.22
		For Class 52 Rating, Deduct	*-1,239.53*	
		For Class 54 Rating, Add	*1,729.24*	
		For Class 55 Rating, Add	*2,590.80*	
		For Class 56 Rating, Add	*3,441.10*	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,448.49	2,148.43
		For Class 52 Rating, Deduct	*-1,341.26*	
		For Class 54 Rating, Add	*1,868.06*	
		For Class 55 Rating, Add	*2,797.23*	
		For Class 56 Rating, Add	*3,714.21*	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,381.21	2,153.63
		For Class 52 Rating, Deduct	*-1,443.00*	
		For Class 54 Rating, Add	*2,006.88*	
		For Class 55 Rating, Add	*3,003.66*	
		For Class 56 Rating, Add	*3,987.32*	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,313.93	2,158.83
		For Class 52 Rating, Deduct	*-1,544.73*	
		For Class 54 Rating, Add	*2,145.70*	
		For Class 55 Rating, Add	*3,210.09*	
		For Class 56 Rating, Add	*4,260.43*	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,246.65	2,164.03
		For Class 52 Rating, Deduct	*-1,646.46*	
		For Class 54 Rating, Add	*2,284.52*	
		For Class 55 Rating, Add	*3,416.52*	
		For Class 56 Rating, Add	*4,533.54*	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,179.38	2,169.24
		For Class 52 Rating, Deduct	*-1,748.19*	
		For Class 54 Rating, Add	*2,423.34*	
		For Class 55 Rating, Add	*3,622.94*	
		For Class 56 Rating, Add	*4,806.66*	
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,112.10	2,174.43
		For Class 52 Rating, Deduct	*-1,849.93*	
		For Class 54 Rating, Add	*2,562.16*	
		For Class 55 Rating, Add	*3,829.37*	
		For Class 56 Rating, Add	*5,079.77*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,044.82	2,179.63
		For Class 52 Rating, Deduct	*-1,951.66*	
		For Class 54 Rating, Add	*2,700.98*	
		For Class 55 Rating, Add	*4,035.80*	
		For Class 56 Rating, Add	*5,352.88*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,977.54	2,184.83
		For Class 52 Rating, Deduct	*-2,053.39*	
		For Class 54 Rating, Add	*2,839.80*	
		For Class 55 Rating, Add	*4,242.23*	
		For Class 56 Rating, Add	*5,625.99*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,910.27	2,190.04
		For Class 52 Rating, Deduct	*-2,155.12*	
		For Class 54 Rating, Add	*2,978.62*	
		For Class 55 Rating, Add	*4,448.66*	
		For Class 56 Rating, Add	*5,899.11*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,843.00	2,195.24
		For Class 52 Rating, Deduct	*-2,256.86*	
		For Class 54 Rating, Add	*3,117.44*	
		For Class 55 Rating, Add	*4,655.09*	
		For Class 56 Rating, Add	*6,172.22*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,775.72	2,200.44
		For Class 52 Rating, Deduct	*-2,358.59*	
		For Class 54 Rating, Add	*3,256.26*	
		For Class 55 Rating, Add	*4,861.52*	
		For Class 56 Rating, Add	*6,445.33*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,708.44	2,205.64
		For Class 52 Rating, Deduct	*-2,460.32*	
		For Class 54 Rating, Add	*3,395.09*	
		For Class 55 Rating, Add	*5,067.95*	
		For Class 56 Rating, Add	*6,718.44*	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,641.16	2,210.85
		For Class 52 Rating, Deduct	*-2,562.05*	
		For Class 54 Rating, Add	*3,533.91*	
		For Class 55 Rating, Add	*5,274.37*	
		For Class 56 Rating, Add	*6,991.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,573.88	2,216.05
		For Class 52 Rating, Deduct	*-2,663.79*	
		For Class 54 Rating, Add	*3,672.73*	
		For Class 55 Rating, Add	*5,480.80*	
		For Class 56 Rating, Add	*7,264.66*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,506.61	2,221.25
		For Class 52 Rating, Deduct	*-2,765.52*	
		For Class 54 Rating, Add	*3,811.55*	
		For Class 55 Rating, Add	*5,687.23*	
		For Class 56 Rating, Add	*7,537.78*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,439.33	2,226.45
		For Class 52 Rating, Deduct	*-2,867.25*	
		For Class 54 Rating, Add	*3,950.37*	
		For Class 55 Rating, Add	*5,893.66*	
		For Class 56 Rating, Add	*7,810.89*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,372.05	2,231.66
		For Class 52 Rating, Deduct	*-2,968.98*	
		For Class 54 Rating, Add	*4,089.19*	
		For Class 55 Rating, Add	*6,100.09*	
		For Class 56 Rating, Add	*8,084.00*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,304.77	2,236.86
		For Class 52 Rating, Deduct	*-3,070.71*	
		For Class 54 Rating, Add	*4,228.01*	
		For Class 55 Rating, Add	*6,306.52*	
		For Class 56 Rating, Add	*8,357.11*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,237.50	2,242.06
		For Class 52 Rating, Deduct	*-3,172.45*	
		For Class 54 Rating, Add	*4,366.83*	
		For Class 55 Rating, Add	*6,512.95*	
		For Class 56 Rating, Add	*8,630.22*	
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,170.23	2,247.26
		For Class 52 Rating, Deduct	*-3,274.18*	
		For Class 54 Rating, Add	*4,505.65*	
		For Class 55 Rating, Add	*6,719.38*	
		For Class 56 Rating, Add	*8,903.34*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,102.95	2,252.47
		For Class 52 Rating, Deduct	*-3,375.91*	
		For Class 54 Rating, Add	*4,644.47*	
		For Class 55 Rating, Add	*6,925.80*	
		For Class 56 Rating, Add	*9,176.45*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,035.67	2,257.67
		For Class 52 Rating, Deduct	*-3,477.65*	
		For Class 54 Rating, Add	*4,783.29*	
		For Class 55 Rating, Add	*7,132.23*	
		For Class 56 Rating, Add	*9,449.56*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,968.39	2,262.87
		For Class 52 Rating, Deduct	*-3,579.38*	
		For Class 54 Rating, Add	*4,922.11*	
		For Class 55 Rating, Add	*7,338.66*	
		For Class 56 Rating, Add	*9,722.67*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,901.11	2,268.06
		For Class 52 Rating, Deduct	*-3,681.11*	
		For Class 54 Rating, Add	*5,060.93*	
		For Class 55 Rating, Add	*7,545.09*	
		For Class 56 Rating, Add	*9,995.78*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,833.83	2,273.27
		For Class 52 Rating, Deduct	*-3,782.84*	
		For Class 54 Rating, Add	*5,199.75*	
		For Class 55 Rating, Add	*7,751.52*	
		For Class 56 Rating, Add	*10,268.89*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,766.56	2,278.47
		For Class 52 Rating, Deduct	*-3,884.58*	
		For Class 54 Rating, Add	*5,338.57*	
		For Class 55 Rating, Add	*7,957.95*	
		For Class 56 Rating, Add	*10,542.01*	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,699.28	2,283.67
		For Class 52 Rating, Deduct	*-3,986.31*	
		For Class 54 Rating, Add	*5,477.40*	
		For Class 55 Rating, Add	*8,164.38*	
		For Class 56 Rating, Add	*10,815.12*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,632.00	2,288.87
		For Class 52 Rating, Deduct	*-4,088.04*	
		For Class 54 Rating, Add	*5,616.22*	
		For Class 55 Rating, Add	*8,370.80*	
		For Class 56 Rating, Add	*11,088.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,564.71	2,294.08
		For Class 52 Rating, Deduct	*-4,189.77*	
		For Class 54 Rating, Add	*5,755.04*	
		For Class 55 Rating, Add	*8,577.23*	
		For Class 56 Rating, Add	*11,361.34*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,497.44	2,299.28
		For Class 52 Rating, Deduct	*-4,291.51*	
		For Class 54 Rating, Add	*5,893.86*	
		For Class 55 Rating, Add	*8,783.66*	
		For Class 56 Rating, Add	*11,634.45*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,430.17	2,304.48
		For Class 52 Rating, Deduct	*-4,393.24*	
		For Class 54 Rating, Add	*6,032.68*	
		For Class 55 Rating, Add	*8,990.09*	
		For Class 56 Rating, Add	*11,907.57*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,362.89	2,309.68
		For Class 52 Rating, Deduct	*-4,494.97*	
		For Class 54 Rating, Add	*6,171.50*	
		For Class 55 Rating, Add	*9,196.52*	
		For Class 56 Rating, Add	*12,180.68*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,295.61	2,314.89
		For Class 52 Rating, Deduct	*-4,596.70*	
		For Class 54 Rating, Add	*6,310.32*	
		For Class 55 Rating, Add	*9,402.95*	
		For Class 56 Rating, Add	*12,453.79*	
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,228.33	2,320.09
		For Class 52 Rating, Deduct	*-4,698.44*	
		For Class 54 Rating, Add	*6,449.14*	
		For Class 55 Rating, Add	*9,609.38*	
		For Class 56 Rating, Add	*12,726.90*	
40 05 19 00-2506		36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,180.38	2,715.44
		For Class 52 Rating, Deduct	*-1,767.27*	
		For Class 54 Rating, Add	*2,459.28*	
		For Class 55 Rating, Add	*3,681.48*	
		For Class 56 Rating, Add	*4,887.61*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,429.49	2,720.64
		For Class 52 Rating, Deduct	*-1,903.80*	
		For Class 54 Rating, Add	*2,645.56*	
		For Class 55 Rating, Add	*3,958.46*	
		For Class 56 Rating, Add	*5,254.05*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,678.61	2,725.85
		For Class 52 Rating, Deduct	*-2,040.34*	
		For Class 54 Rating, Add	*2,831.84*	
		For Class 55 Rating, Add	*4,235.45*	
		For Class 56 Rating, Add	*5,620.50*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,927.72	2,731.05
		For Class 52 Rating, Deduct	*-2,176.87*	
		For Class 54 Rating, Add	*3,018.12*	
		For Class 55 Rating, Add	*4,512.43*	
		For Class 56 Rating, Add	*5,986.95*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,176.84	2,736.25
		For Class 52 Rating, Deduct	*-2,313.41*	
		For Class 54 Rating, Add	*3,204.40*	
		For Class 55 Rating, Add	*4,789.42*	
		For Class 56 Rating, Add	*6,353.40*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,425.96	2,741.45
		For Class 52 Rating, Deduct	*-2,449.95*	
		For Class 54 Rating, Add	*3,390.68*	
		For Class 55 Rating, Add	*5,066.40*	
		For Class 56 Rating, Add	*6,719.84*	
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,675.07	2,746.66
		For Class 52 Rating, Deduct	*-2,586.48*	
		For Class 54 Rating, Add	*3,576.96*	
		For Class 55 Rating, Add	*5,343.38*	
		For Class 56 Rating, Add	*7,086.29*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,924.19	2,751.85
		For Class 52 Rating, Deduct	*-2,723.02*	
		For Class 54 Rating, Add	*3,763.24*	
		For Class 55 Rating, Add	*5,620.37*	
		For Class 56 Rating, Add	*7,452.74*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,173.30	2,757.05
		For Class 52 Rating, Deduct	*-2,859.55*	
		For Class 54 Rating, Add	*3,949.52*	
		For Class 55 Rating, Add	*5,897.35*	
		For Class 56 Rating, Add	*7,819.19*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,422.41	2,762.25
		For Class 52 Rating, Deduct	*-2,996.09*	
		For Class 54 Rating, Add	*4,135.80*	
		For Class 55 Rating, Add	*6,174.33*	
		For Class 56 Rating, Add	*8,185.63*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,671.54	2,767.46
		For Class 52 Rating, Deduct	*-3,132.63*	
		For Class 54 Rating, Add	*4,322.08*	
		For Class 55 Rating, Add	*6,451.32*	
		For Class 56 Rating, Add	*8,552.08*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,920.65	2,772.66
		For Class 52 Rating, Deduct	*-3,269.16*	
		For Class 54 Rating, Add	*4,508.36*	
		For Class 55 Rating, Add	*6,728.30*	
		For Class 56 Rating, Add	*8,918.53*	
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,169.77	2,777.86
		For Class 52 Rating, Deduct	*-3,405.70*	
		For Class 54 Rating, Add	*4,694.64*	
		For Class 55 Rating, Add	*7,005.29*	
		For Class 56 Rating, Add	*9,284.98*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,418.88	2,783.07
		For Class 52 Rating, Deduct	*-3,542.23*	
		For Class 54 Rating, Add	*4,880.92*	
		For Class 55 Rating, Add	*7,282.27*	
		For Class 56 Rating, Add	*9,651.43*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,667.99	2,788.27
		For Class 52 Rating, Deduct	*-3,678.77*	
		For Class 54 Rating, Add	*5,067.20*	
		For Class 55 Rating, Add	*7,559.26*	
		For Class 56 Rating, Add	*10,017.87*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,917.12	2,793.47
		For Class 52 Rating, Deduct	*-3,815.30*	
		For Class 54 Rating, Add	*5,253.48*	
		For Class 55 Rating, Add	*7,836.24*	
		For Class 56 Rating, Add	*10,384.32*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,166.23	2,798.67
		For Class 52 Rating, Deduct	*-3,951.84*	
		For Class 54 Rating, Add	*5,439.76*	
		For Class 55 Rating, Add	*8,113.23*	
		For Class 56 Rating, Add	*10,750.77*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,415.35	2,803.88
		For Class 52 Rating, Deduct	*-4,088.38*	
		For Class 54 Rating, Add	*5,626.04*	
		For Class 55 Rating, Add	*8,390.21*	
		For Class 56 Rating, Add	*11,117.22*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,664.45	2,809.08
		For Class 52 Rating, Deduct	*-4,224.91*	
		For Class 54 Rating, Add	*5,812.32*	
		For Class 55 Rating, Add	*8,667.19*	
		For Class 56 Rating, Add	*11,483.66*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,913.56	2,814.28
		For Class 52 Rating, Deduct	*-4,361.45*	
		For Class 54 Rating, Add	*5,998.60*	
		For Class 55 Rating, Add	*8,944.18*	
		For Class 56 Rating, Add	*11,850.11*	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,162.69	2,819.48
		For Class 52 Rating, Deduct	*-4,497.98*	
		For Class 54 Rating, Add	*6,184.88*	
		For Class 55 Rating, Add	*9,221.16*	
		For Class 56 Rating, Add	*12,216.56*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,411.80	2,824.69
		For Class 52 Rating, Deduct	*-4,634.52*	
		For Class 54 Rating, Add	*6,371.15*	
		For Class 55 Rating, Add	*9,498.15*	
		For Class 56 Rating, Add	*12,583.01*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,660.92	2,829.89
		For Class 52 Rating, Deduct	*-4,771.05*	
		For Class 54 Rating, Add	*6,557.44*	
		For Class 55 Rating, Add	*9,775.13*	
		For Class 56 Rating, Add	*12,949.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,910.03	2,835.09
		For Class 52 Rating, Deduct	*-4,907.59*	
		For Class 54 Rating, Add	*6,743.71*	
		For Class 55 Rating, Add	*10,052.12*	
		For Class 56 Rating, Add	*13,315.90*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,159.14	2,840.29
		For Class 52 Rating, Deduct	*-5,044.12*	
		For Class 54 Rating, Add	*6,929.99*	
		For Class 55 Rating, Add	*10,329.10*	
		For Class 56 Rating, Add	*13,682.35*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,408.26	2,845.49
		For Class 52 Rating, Deduct	*-5,180.66*	
		For Class 54 Rating, Add	*7,116.27*	
		For Class 55 Rating, Add	*10,606.09*	
		For Class 56 Rating, Add	*14,048.80*	
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,657.38	2,850.69
		For Class 52 Rating, Deduct	*-5,317.20*	
		For Class 54 Rating, Add	*7,302.55*	
		For Class 55 Rating, Add	*10,883.07*	
		For Class 56 Rating, Add	*14,415.25*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,906.50	2,855.89
		For Class 52 Rating, Deduct	*-5,453.73*	
		For Class 54 Rating, Add	*7,488.83*	
		For Class 55 Rating, Add	*11,160.05*	
		For Class 56 Rating, Add	*14,781.70*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,155.61	2,861.09
		For Class 52 Rating, Deduct	*-5,590.27*	
		For Class 54 Rating, Add	*7,675.11*	
		For Class 55 Rating, Add	*11,437.04*	
		For Class 56 Rating, Add	*15,148.14*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,404.72	2,866.30
		For Class 52 Rating, Deduct	*-5,726.80*	
		For Class 54 Rating, Add	*7,861.39*	
		For Class 55 Rating, Add	*11,714.02*	
		For Class 56 Rating, Add	*15,514.59*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,653.84	2,871.50
		For Class 52 Rating, Deduct	*-5,863.34*	
		For Class 54 Rating, Add	*8,047.67*	
		For Class 55 Rating, Add	*11,991.01*	
		For Class 56 Rating, Add	*15,881.04*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,902.96	2,876.70
		For Class 52 Rating, Deduct	*-5,999.88*	
		For Class 54 Rating, Add	*8,233.95*	
		For Class 55 Rating, Add	*12,267.99*	
		For Class 56 Rating, Add	*16,247.49*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,152.07	2,881.90
		For Class 52 Rating, Deduct	*-6,136.41*	
		For Class 54 Rating, Add	*8,420.23*	
		For Class 55 Rating, Add	*12,544.97*	
		For Class 56 Rating, Add	*16,613.93*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,401.19	2,887.11
		For Class 52 Rating, Deduct	*-6,272.95*	
		For Class 54 Rating, Add	*8,606.51*	
		For Class 55 Rating, Add	*12,821.96*	
		For Class 56 Rating, Add	*16,980.38*	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,650.30	2,892.31
		For Class 52 Rating, Deduct	*-6,409.48*	
		For Class 54 Rating, Add	*8,792.79*	
		For Class 55 Rating, Add	*13,098.94*	
		For Class 56 Rating, Add	*17,346.83*	

40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,618.81	3,422.92
		For Class 52 Rating, Deduct	*-2,357.58*	
		For Class 54 Rating, Add	*3,277.12*	
		For Class 55 Rating, Add	*4,903.93*	
		For Class 56 Rating, Add	*6,509.32*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,452.03	3,428.11
		For Class 52 Rating, Deduct	*-2,558.37*	
		For Class 54 Rating, Add	*3,551.02*	
		For Class 55 Rating, Add	*5,311.17*	
		For Class 56 Rating, Add	*7,048.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,270.05	3,433.31
		For Class 52 Rating, Deduct	*-2,757.49*	
		For Class 54 Rating, Add	*3,822.63*	
		For Class 55 Rating, Add	*5,715.03*	
		For Class 56 Rating, Add	*7,582.35*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,106.31	3,438.51
		For Class 52 Rating, Deduct	*-2,958.61*	
		For Class 54 Rating, Add	*4,096.98*	
		For Class 55 Rating, Add	*6,122.94*	
		For Class 56 Rating, Add	*8,122.01*	
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,930.41	3,443.72
		For Class 52 Rating, Deduct	*-3,158.39*	
		For Class 54 Rating, Add	*4,369.51*	
		For Class 55 Rating, Add	*6,528.15*	
		For Class 56 Rating, Add	*8,658.07*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,772.77	3,448.92
		For Class 52 Rating, Deduct	*-3,360.18*	
		For Class 54 Rating, Add	*4,644.78*	
		For Class 55 Rating, Add	*6,937.43*	
		For Class 56 Rating, Add	*9,199.53*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,596.87	3,454.12
		For Class 52 Rating, Deduct	*-3,559.97*	
		For Class 54 Rating, Add	*4,917.30*	
		For Class 55 Rating, Add	*7,342.63*	
		For Class 56 Rating, Add	*9,735.59*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,442.26	3,459.32
		For Class 52 Rating, Deduct	*-3,762.09*	
		For Class 54 Rating, Add	*5,193.03*	
		For Class 55 Rating, Add	*7,752.59*	
		For Class 56 Rating, Add	*10,277.94*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,272.44	3,464.53
		For Class 52 Rating, Deduct	*-3,962.55*	
		For Class 54 Rating, Add	*5,466.47*	
		For Class 55 Rating, Add	*8,159.15*	
		For Class 56 Rating, Add	*10,815.81*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,117.84	3,469.73
		For Class 52 Rating, Deduct	*-4,164.67*	
		For Class 54 Rating, Add	*5,742.19*	
		For Class 55 Rating, Add	*8,569.10*	
		For Class 56 Rating, Add	*11,358.16*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,948.03	3,474.93
		For Class 52 Rating, Deduct	*-4,365.13*	
		For Class 54 Rating, Add	*6,015.63*	
		For Class 55 Rating, Add	*8,975.67*	
		For Class 56 Rating, Add	*11,896.02*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,796.46	3,480.13
		For Class 52 Rating, Deduct	*-4,567.59*	
		For Class 54 Rating, Add	*6,291.80*	
		For Class 55 Rating, Add	*9,386.30*	
		For Class 56 Rating, Add	*12,439.27*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,626.65	3,485.34
		For Class 52 Rating, Deduct	*-4,768.04*	
		For Class 54 Rating, Add	*6,565.25*	
		For Class 55 Rating, Add	*9,792.86*	
		For Class 56 Rating, Add	*12,977.13*	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,462.91	3,490.54
		For Class 52 Rating, Deduct	*-4,969.16*	
		For Class 54 Rating, Add	*6,839.60*	
		For Class 55 Rating, Add	*10,200.78*	
		For Class 56 Rating, Add	*13,516.79*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,308.30	3,495.74
		For Class 52 Rating, Deduct	*-5,171.29*	
		For Class 54 Rating, Add	*7,115.32*	
		For Class 55 Rating, Add	*10,610.73*	
		For Class 56 Rating, Add	*14,059.14*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,141.54	3,500.94
		For Class 52 Rating, Deduct	*-5,372.08*	
		For Class 54 Rating, Add	*7,389.22*	
		For Class 55 Rating, Add	*11,017.98*	
		For Class 56 Rating, Add	*14,597.90*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,996.06	3,506.15
		For Class 52 Rating, Deduct	*-5,575.21*	
		For Class 54 Rating, Add	*7,666.31*	
		For Class 55 Rating, Add	*11,429.97*	
		For Class 56 Rating, Add	*15,142.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,832.32	3,511.35
		For Class 52 Rating, Deduct	*-5,776.33*	
		For Class 54 Rating, Add	*7,940.66*	
		For Class 55 Rating, Add	*11,837.88*	
		For Class 56 Rating, Add	*15,682.60*	
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,683.80	3,516.55
		For Class 52 Rating, Deduct	*-5,979.13*	
		For Class 54 Rating, Add	*8,217.29*	
		For Class 55 Rating, Add	*12,249.20*	
		For Class 56 Rating, Add	*16,226.74*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,517.03	3,521.74
		For Class 52 Rating, Deduct	*-6,179.92*	
		For Class 54 Rating, Add	*8,491.19*	
		For Class 55 Rating, Add	*12,656.44*	
		For Class 56 Rating, Add	*16,765.51*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,374.60	3,526.95
		For Class 52 Rating, Deduct	*-6,383.38*	
		For Class 54 Rating, Add	*8,768.74*	
		For Class 55 Rating, Add	*13,069.11*	
		For Class 56 Rating, Add	*17,311.44*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,210.86	3,532.15
		For Class 52 Rating, Deduct	*-6,584.50*	
		For Class 54 Rating, Add	*9,043.09*	
		For Class 55 Rating, Add	*13,477.02*	
		For Class 56 Rating, Add	*17,851.10*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,062.34	3,537.35
		For Class 52 Rating, Deduct	*-6,787.30*	
		For Class 54 Rating, Add	*9,319.72*	
		For Class 55 Rating, Add	*13,888.34*	
		For Class 56 Rating, Add	*18,395.25*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,898.61	3,542.55
		For Class 52 Rating, Deduct	*-6,988.42*	
		For Class 54 Rating, Add	*9,594.08*	
		For Class 55 Rating, Add	*14,296.26*	
		For Class 56 Rating, Add	*18,934.90*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,756.17	3,547.76
		For Class 52 Rating, Deduct	*-7,191.89*	
		For Class 54 Rating, Add	*9,871.62*	
		For Class 55 Rating, Add	*14,708.92*	
		For Class 56 Rating, Add	*19,480.84*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,592.44	3,552.96
		For Class 52 Rating, Deduct	*-7,393.01*	
		For Class 54 Rating, Add	*10,145.97*	
		For Class 55 Rating, Add	*15,116.84*	
		For Class 56 Rating, Add	*20,020.50*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,443.92	3,558.16
		For Class 52 Rating, Deduct	*-7,595.80*	
		For Class 54 Rating, Add	*10,422.61*	
		For Class 55 Rating, Add	*15,528.15*	
		For Class 56 Rating, Add	*20,564.65*	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,283.23	3,563.36
		For Class 52 Rating, Deduct	*-7,797.26*	
		For Class 54 Rating, Add	*10,697.42*	
		For Class 55 Rating, Add	*15,936.75*	
		For Class 56 Rating, Add	*21,105.20*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,772.68	3,568.57
		For Class 52 Rating, Deduct	*-7,960.23*	
		For Class 54 Rating, Add	*10,919.75*	
		For Class 55 Rating, Add	*16,267.33*	
		For Class 56 Rating, Add	*21,542.55*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,977.06	3,573.77
		For Class 52 Rating, Deduct	*-8,201.85*	
		For Class 54 Rating, Add	*11,249.32*	
		For Class 55 Rating, Add	*16,757.34*	
		For Class 56 Rating, Add	*22,190.80*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,813.33	3,578.97
		For Class 52 Rating, Deduct	*-8,402.97*	
		For Class 54 Rating, Add	*11,523.67*	
		For Class 55 Rating, Add	*17,165.26*	
		For Class 56 Rating, Add	*22,730.46*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,667.86	3,584.17
		For Class 52 Rating, Deduct	*-8,606.10*	
		For Class 54 Rating, Add	*11,800.76*	
		For Class 55 Rating, Add	*17,577.25*	
		For Class 56 Rating, Add	*23,275.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,507.16	3,589.38
		For Class 52 Rating, Deduct	*-8,807.56*	
		For Class 54 Rating, Add	*12,075.57*	
		For Class 55 Rating, Add	*17,985.85*	
		For Class 56 Rating, Add	*23,816.05*	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,364.73	3,594.58
		For Class 52 Rating, Deduct	*-9,011.02*	
		For Class 54 Rating, Add	*12,353.12*	
		For Class 55 Rating, Add	*18,398.52*	
		For Class 56 Rating, Add	*24,362.00*	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,197.95	3,599.78
		For Class 52 Rating, Deduct	*-9,211.81*	
		For Class 54 Rating, Add	*12,627.01*	
		For Class 55 Rating, Add	*18,805.76*	
		For Class 56 Rating, Add	*24,900.75*	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,390.37	4,302.04
		For Class 52 Rating, Deduct	*-2,955.93*	
		For Class 54 Rating, Add	*4,109.04*	
		For Class 55 Rating, Add	*6,148.92*	
		For Class 56 Rating, Add	*8,161.93*	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,008.49	4,307.25
		For Class 52 Rating, Deduct	*-3,243.06*	
		For Class 54 Rating, Add	*4,500.67*	
		For Class 55 Rating, Add	*6,731.19*	
		For Class 56 Rating, Add	*8,932.23*	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,632.69	4,312.45
		For Class 52 Rating, Deduct	*-3,530.85*	
		For Class 54 Rating, Add	*4,893.21*	
		For Class 55 Rating, Add	*7,314.82*	
		For Class 56 Rating, Add	*9,704.33*	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,287.33	4,317.65
		For Class 52 Rating, Deduct	*-3,822.00*	
		For Class 54 Rating, Add	*5,290.32*	
		For Class 55 Rating, Add	*7,905.23*	
		For Class 56 Rating, Add	*10,485.41*	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,932.84	4,322.85
		For Class 52 Rating, Deduct	*-4,112.14*	
		For Class 54 Rating, Add	*5,686.05*	
		For Class 55 Rating, Add	*8,493.62*	
		For Class 56 Rating, Add	*11,263.79*	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,584.42	4,328.06
		For Class 52 Rating, Deduct	*-4,402.94*	
		For Class 54 Rating, Add	*6,082.70*	
		For Class 55 Rating, Add	*9,083.35*	
		For Class 56 Rating, Add	*12,043.97*	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,254.25	4,333.26
		For Class 52 Rating, Deduct	*-4,695.76*	
		For Class 54 Rating, Add	*6,482.09*	
		For Class 55 Rating, Add	*9,677.16*	
		For Class 56 Rating, Add	*12,829.53*	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,918.01	4,338.46
		For Class 52 Rating, Deduct	*-4,987.90*	
		For Class 54 Rating, Add	*6,880.57*	
		For Class 55 Rating, Add	*10,269.61*	
		For Class 56 Rating, Add	*13,613.30*	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,578.72	4,343.66
		For Class 52 Rating, Deduct	*-5,279.72*	
		For Class 54 Rating, Add	*7,278.59*	
		For Class 55 Rating, Add	*10,861.38*	
		For Class 56 Rating, Add	*14,396.17*	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,266.82	4,348.87
		For Class 52 Rating, Deduct	*-5,574.54*	
		For Class 54 Rating, Add	*7,680.71*	
		For Class 55 Rating, Add	*11,459.25*	
		For Class 56 Rating, Add	*15,187.11*	
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,936.66	4,354.07
		For Class 52 Rating, Deduct	*-5,867.35*	
		For Class 54 Rating, Add	*8,080.10*	
		For Class 55 Rating, Add	*12,053.06*	
		For Class 56 Rating, Add	*15,972.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,627.80	4,359.27
		For Class 52 Rating, Deduct	*-6,162.51*	
		For Class 54 Rating, Add	*8,482.69*	
		For Class 55 Rating, Add	*12,651.61*	
		For Class 56 Rating, Add	*16,764.52*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,303.72	4,364.47
		For Class 52 Rating, Deduct	*-6,456.00*	
		For Class 54 Rating, Add	*8,882.99*	
		For Class 55 Rating, Add	*13,246.78*	
		For Class 56 Rating, Add	*17,551.87*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,982.69	4,369.68
		For Class 52 Rating, Deduct	*-6,749.82*	
		For Class 54 Rating, Add	*9,283.75*	
		For Class 55 Rating, Add	*13,842.62*	
		For Class 56 Rating, Add	*18,340.13*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,679.92	4,374.88
		For Class 52 Rating, Deduct	*-7,045.65*	
		For Class 54 Rating, Add	*9,687.24*	
		For Class 55 Rating, Add	*14,442.53*	
		For Class 56 Rating, Add	*19,133.77*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,364.97	4,380.08
		For Class 52 Rating, Deduct	*-7,340.13*	
		For Class 54 Rating, Add	*10,088.91*	
		For Class 55 Rating, Add	*15,039.73*	
		For Class 56 Rating, Add	*19,923.82*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,046.98	4,385.29
		For Class 52 Rating, Deduct	*-7,634.29*	
		For Class 54 Rating, Add	*10,490.13*	
		For Class 55 Rating, Add	*15,636.25*	
		For Class 56 Rating, Add	*20,712.97*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,750.29	4,390.48
		For Class 52 Rating, Deduct	*-7,930.79*	
		For Class 54 Rating, Add	*10,894.53*	
		For Class 55 Rating, Add	*16,237.52*	
		For Class 56 Rating, Add	*21,508.41*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,438.38	4,395.68
		For Class 52 Rating, Deduct	*-8,225.61*	
		For Class 54 Rating, Add	*11,296.66*	
		For Class 55 Rating, Add	*16,835.39*	
		For Class 56 Rating, Add	*22,299.35*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,123.44	4,400.88
		For Class 52 Rating, Deduct	*-8,520.10*	
		For Class 54 Rating, Add	*11,698.33*	
		For Class 55 Rating, Add	*17,432.59*	
		For Class 56 Rating, Add	*23,089.40*	
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,829.79	4,406.09
		For Class 52 Rating, Deduct	*-8,816.93*	
		For Class 54 Rating, Add	*12,103.20*	
		For Class 55 Rating, Add	*18,034.54*	
		For Class 56 Rating, Add	*23,885.73*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,523.97	4,411.29
		For Class 52 Rating, Deduct	*-9,112.42*	
		For Class 54 Rating, Add	*12,506.24*	
		For Class 55 Rating, Add	*18,633.78*	
		For Class 56 Rating, Add	*24,678.47*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	92,212.06	4,416.49
		For Class 52 Rating, Deduct	*-9,407.25*	
		For Class 54 Rating, Add	*12,908.36*	
		For Class 55 Rating, Add	*19,231.65*	
		For Class 56 Rating, Add	*25,469.42*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,921.45	4,421.69
		For Class 52 Rating, Deduct	*-9,704.41*	
		For Class 54 Rating, Add	*13,313.68*	
		For Class 55 Rating, Add	*19,834.28*	
		For Class 56 Rating, Add	*26,266.65*	
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	97,615.64	4,426.90
		For Class 52 Rating, Deduct	*-9,999.90*	
		For Class 54 Rating, Add	*13,716.72*	
		For Class 55 Rating, Add	*20,433.51*	
		For Class 56 Rating, Add	*27,059.39*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,306.77	4,432.10
		For Class 52 Rating, Deduct	*-10,295.06*	
		For Class 54 Rating, Add	*14,119.30*	
		For Class 55 Rating, Add	*21,032.07*	
		For Class 56 Rating, Add	*27,851.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,019.20	4,437.30
		For Class 52 Rating, Deduct	*-10,592.56*	
		For Class 54 Rating, Add	*14,525.08*	
		For Class 55 Rating, Add	*21,635.37*	
		For Class 56 Rating, Add	*28,649.36*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,716.42	4,442.50
		For Class 52 Rating, Deduct	*-10,888.39*	
		For Class 54 Rating, Add	*14,928.58*	
		For Class 55 Rating, Add	*22,235.28*	
		For Class 56 Rating, Add	*29,443.00*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,097.25	4,447.71
		For Class 52 Rating, Deduct	*-11,149.41*	
		For Class 54 Rating, Add	*15,284.61*	
		For Class 55 Rating, Add	*22,764.64*	
		For Class 56 Rating, Add	*30,143.30*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,126.08	4,452.91
		For Class 52 Rating, Deduct	*-11,481.72*	
		For Class 54 Rating, Add	*15,737.85*	
		For Class 55 Rating, Add	*23,438.50*	
		For Class 56 Rating, Add	*31,034.76*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	113,820.26	4,458.11
		For Class 52 Rating, Deduct	*-11,777.21*	
		For Class 54 Rating, Add	*16,140.89*	
		For Class 55 Rating, Add	*24,037.73*	
		For Class 56 Rating, Add	*31,827.51*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	116,538.78	4,463.31
		For Class 52 Rating, Deduct	*-12,075.38*	
		For Class 54 Rating, Add	*16,547.58*	
		For Class 55 Rating, Add	*24,642.39*	
		For Class 56 Rating, Add	*32,627.43*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	119,232.96	4,468.52
		For Class 52 Rating, Deduct	*-12,370.87*	
		For Class 54 Rating, Add	*16,950.62*	
		For Class 55 Rating, Add	*25,241.63*	
		For Class 56 Rating, Add	*33,420.17*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	121,927.13	4,473.72
		For Class 52 Rating, Deduct	*-12,666.37*	
		For Class 54 Rating, Add	*17,353.66*	
		For Class 55 Rating, Add	*25,840.86*	
		For Class 56 Rating, Add	*34,212.91*	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	124,648.69	4,478.92
		For Class 52 Rating, Deduct	*-12,964.87*	
		For Class 54 Rating, Add	*17,760.80*	
		For Class 55 Rating, Add	*26,446.20*	
		For Class 56 Rating, Add	*35,013.73*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	905.23	238.05
		For Class 52 Rating, Deduct	*-59.90*	
		For Class 54 Rating, Add	*86.01*	
		For Class 55 Rating, Add	*130.09*	
		For Class 56 Rating, Add	*173.63*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,027.15	242.21
		For Class 52 Rating, Deduct	*-72.62*	
		For Class 54 Rating, Add	*103.43*	
		For Class 55 Rating, Add	*156.03*	
		For Class 56 Rating, Add	*207.96*	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,149.05	246.37
		For Class 52 Rating, Deduct	*-85.33*	
		For Class 54 Rating, Add	*120.84*	
		For Class 55 Rating, Add	*181.96*	
		For Class 56 Rating, Add	*242.29*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,270.97	250.53
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*138.26*	
		For Class 55 Rating, Add	*207.89*	
		For Class 56 Rating, Add	*276.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,392.87	254.69
		For Class 52 Rating, Deduct	*-110.77*	
		For Class 54 Rating, Add	*155.68*	
		For Class 55 Rating, Add	*233.82*	
		For Class 56 Rating, Add	*310.95*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,514.79	258.85
		For Class 52 Rating, Deduct	*-123.48*	
		For Class 54 Rating, Add	*173.09*	
		For Class 55 Rating, Add	*259.75*	
		For Class 56 Rating, Add	*345.28*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,636.70	263.01
		For Class 52 Rating, Deduct	*-136.20*	
		For Class 54 Rating, Add	*190.51*	
		For Class 55 Rating, Add	*285.68*	
		For Class 56 Rating, Add	*379.61*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,758.61	267.17
		For Class 52 Rating, Deduct	*-148.92*	
		For Class 54 Rating, Add	*207.93*	
		For Class 55 Rating, Add	*311.61*	
		For Class 56 Rating, Add	*413.94*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,880.51	271.34
		For Class 52 Rating, Deduct	*-161.63*	
		For Class 54 Rating, Add	*225.34*	
		For Class 55 Rating, Add	*337.54*	
		For Class 56 Rating, Add	*448.27*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,002.43	275.50
		For Class 52 Rating, Deduct	*-174.35*	
		For Class 54 Rating, Add	*242.76*	
		For Class 55 Rating, Add	*363.48*	
		For Class 56 Rating, Add	*482.61*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,124.34	279.66
		For Class 52 Rating, Deduct	*-187.07*	
		For Class 54 Rating, Add	*260.18*	
		For Class 55 Rating, Add	*389.41*	
		For Class 56 Rating, Add	*516.93*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,246.26	283.82
		For Class 52 Rating, Deduct	*-199.78*	
		For Class 54 Rating, Add	*277.59*	
		For Class 55 Rating, Add	*415.34*	
		For Class 56 Rating, Add	*551.27*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,368.15	287.98
		For Class 52 Rating, Deduct	*-212.50*	
		For Class 54 Rating, Add	*295.01*	
		For Class 55 Rating, Add	*441.27*	
		For Class 56 Rating, Add	*585.59*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,490.07	292.15
		For Class 52 Rating, Deduct	*-225.22*	
		For Class 54 Rating, Add	*312.43*	
		For Class 55 Rating, Add	*467.20*	
		For Class 56 Rating, Add	*619.93*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,611.98	296.31
		For Class 52 Rating, Deduct	*-237.93*	
		For Class 54 Rating, Add	*329.84*	
		For Class 55 Rating, Add	*493.13*	
		For Class 56 Rating, Add	*654.26*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,733.90	300.47
		For Class 52 Rating, Deduct	*-250.65*	
		For Class 54 Rating, Add	*347.26*	
		For Class 55 Rating, Add	*519.06*	
		For Class 56 Rating, Add	*688.59*	
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,855.80	304.63
		For Class 52 Rating, Deduct	*-263.37*	
		For Class 54 Rating, Add	*364.67*	
		For Class 55 Rating, Add	*544.99*	
		For Class 56 Rating, Add	*722.92*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,977.71	308.79
		For Class 52 Rating, Deduct	*-276.08*	
		For Class 54 Rating, Add	*382.09*	
		For Class 55 Rating, Add	*570.93*	
		For Class 56 Rating, Add	*757.25*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,099.62	312.96
		For Class 52 Rating, Deduct	*-288.80*	
		For Class 54 Rating, Add	*399.51*	
		For Class 55 Rating, Add	*596.86*	
		For Class 56 Rating, Add	*791.58*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,221.54	317.12
		For Class 52 Rating, Deduct	*-301.52*	
		For Class 54 Rating, Add	*416.92*	
		For Class 55 Rating, Add	*622.79*	
		For Class 56 Rating, Add	*825.91*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,343.44	321.28
		For Class 52 Rating, Deduct	*-314.23*	
		For Class 54 Rating, Add	*434.34*	
		For Class 55 Rating, Add	*648.72*	
		For Class 56 Rating, Add	*860.24*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,465.36	325.44
		For Class 52 Rating, Deduct	*-326.95*	
		For Class 54 Rating, Add	*451.76*	
		For Class 55 Rating, Add	*674.65*	
		For Class 56 Rating, Add	*894.57*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,587.26	329.60
		For Class 52 Rating, Deduct	*-339.67*	
		For Class 54 Rating, Add	*469.17*	
		For Class 55 Rating, Add	*700.58*	
		For Class 56 Rating, Add	*928.90*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,709.18	333.77
		For Class 52 Rating, Deduct	*-352.38*	
		For Class 54 Rating, Add	*486.59*	
		For Class 55 Rating, Add	*726.51*	
		For Class 56 Rating, Add	*963.23*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,831.08	337.93
		For Class 52 Rating, Deduct	*-365.10*	
		For Class 54 Rating, Add	*504.01*	
		For Class 55 Rating, Add	*752.44*	
		For Class 56 Rating, Add	*997.56*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,953.00	342.09
		For Class 52 Rating, Deduct	*-377.82*	
		For Class 54 Rating, Add	*521.42*	
		For Class 55 Rating, Add	*778.38*	
		For Class 56 Rating, Add	*1,031.89*	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,074.90	346.25
		For Class 52 Rating, Deduct	*-390.53*	
		For Class 54 Rating, Add	*538.84*	
		For Class 55 Rating, Add	*804.31*	
		For Class 56 Rating, Add	*1,066.22*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,196.82	350.40
		For Class 52 Rating, Deduct	*-403.25*	
		For Class 54 Rating, Add	*556.26*	
		For Class 55 Rating, Add	*830.24*	
		For Class 56 Rating, Add	*1,100.55*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,318.72	354.57
		For Class 52 Rating, Deduct	*-415.97*	
		For Class 54 Rating, Add	*573.67*	
		For Class 55 Rating, Add	*856.17*	
		For Class 56 Rating, Add	*1,134.88*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,440.64	358.73
		For Class 52 Rating, Deduct	*-428.68*	
		For Class 54 Rating, Add	*591.09*	
		For Class 55 Rating, Add	*882.10*	
		For Class 56 Rating, Add	*1,169.21*	
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,562.55	362.89
		For Class 52 Rating, Deduct	*-441.40*	
		For Class 54 Rating, Add	*608.50*	
		For Class 55 Rating, Add	*908.03*	
		For Class 56 Rating, Add	*1,203.54*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,684.46	367.05
		For Class 52 Rating, Deduct	*-454.12*	
		For Class 54 Rating, Add	*625.92*	
		For Class 55 Rating, Add	*933.96*	
		For Class 56 Rating, Add	*1,237.88*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,806.36	371.21
		For Class 52 Rating, Deduct	*-466.83*	
		For Class 54 Rating, Add	*643.34*	
		For Class 55 Rating, Add	*959.89*	
		For Class 56 Rating, Add	*1,272.20*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,928.28	375.38
		For Class 52 Rating, Deduct	*-479.55*	
		For Class 54 Rating, Add	*660.75*	
		For Class 55 Rating, Add	*985.83*	
		For Class 56 Rating, Add	*1,306.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,050.20	379.54
		For Class 52 Rating, Deduct	*-492.27*	
		For Class 54 Rating, Add	*678.17*	
		For Class 55 Rating, Add	*1,011.76*	
		For Class 56 Rating, Add	*1,340.87*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,172.11	383.70
		For Class 52 Rating, Deduct	*-504.98*	
		For Class 54 Rating, Add	*695.59*	
		For Class 55 Rating, Add	*1,037.69*	
		For Class 56 Rating, Add	*1,375.20*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,294.01	387.86
		For Class 52 Rating, Deduct	*-517.70*	
		For Class 54 Rating, Add	*713.00*	
		For Class 55 Rating, Add	*1,063.62*	
		For Class 56 Rating, Add	*1,409.53*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,385.50	392.03
		For Class 52 Rating, Deduct	*-527.07*	
		For Class 54 Rating, Add	*725.86*	
		For Class 55 Rating, Add	*1,082.77*	
		For Class 56 Rating, Add	*1,434.88*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,537.84	396.19
		For Class 52 Rating, Deduct	*-543.13*	
		For Class 54 Rating, Add	*747.84*	
		For Class 55 Rating, Add	*1,115.48*	
		For Class 56 Rating, Add	*1,478.19*	

40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,168.92	299.64
		For Class 52 Rating, Deduct	*-78.64*	
		For Class 54 Rating, Add	*112.69*	
		For Class 55 Rating, Add	*170.33*	
		For Class 56 Rating, Add	*227.25*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,309.08	303.80
		For Class 52 Rating, Deduct	*-93.37*	
		For Class 54 Rating, Add	*132.84*	
		For Class 55 Rating, Add	*200.33*	
		For Class 56 Rating, Add	*266.96*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,449.25	307.96
		For Class 52 Rating, Deduct	*-108.09*	
		For Class 54 Rating, Add	*153.00*	
		For Class 55 Rating, Add	*230.33*	
		For Class 56 Rating, Add	*306.68*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,589.40	312.12
		For Class 52 Rating, Deduct	*-122.82*	
		For Class 54 Rating, Add	*173.15*	
		For Class 55 Rating, Add	*260.33*	
		For Class 56 Rating, Add	*346.39*	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,729.57	316.28
		For Class 52 Rating, Deduct	*-137.54*	
		For Class 54 Rating, Add	*193.30*	
		For Class 55 Rating, Add	*290.33*	
		For Class 56 Rating, Add	*386.11*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,869.74	320.45
		For Class 52 Rating, Deduct	*-152.26*	
		For Class 54 Rating, Add	*213.46*	
		For Class 55 Rating, Add	*320.33*	
		For Class 56 Rating, Add	*425.82*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,009.91	324.61
		For Class 52 Rating, Deduct	*-166.99*	
		For Class 54 Rating, Add	*233.61*	
		For Class 55 Rating, Add	*350.34*	
		For Class 56 Rating, Add	*465.54*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,150.07	328.77
		For Class 52 Rating, Deduct	*-181.71*	
		For Class 54 Rating, Add	*253.77*	
		For Class 55 Rating, Add	*380.34*	
		For Class 56 Rating, Add	*505.25*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,290.22	332.93
		For Class 52 Rating, Deduct	*-196.44*	
		For Class 54 Rating, Add	*273.92*	
		For Class 55 Rating, Add	*410.34*	
		For Class 56 Rating, Add	*544.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,430.39	337.09
		For Class 52 Rating, Deduct	*-211.16*	
		For Class 54 Rating, Add	*294.08*	
		For Class 55 Rating, Add	*440.34*	
		For Class 56 Rating, Add	*584.68*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,570.56	341.25
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*314.23*	
		For Class 55 Rating, Add	*470.34*	
		For Class 56 Rating, Add	*624.40*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,710.72	345.41
		For Class 52 Rating, Deduct	*-240.61*	
		For Class 54 Rating, Add	*334.39*	
		For Class 55 Rating, Add	*500.34*	
		For Class 56 Rating, Add	*664.11*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,850.89	349.57
		For Class 52 Rating, Deduct	*-255.34*	
		For Class 54 Rating, Add	*354.54*	
		For Class 55 Rating, Add	*530.35*	
		For Class 56 Rating, Add	*703.83*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,991.05	353.73
		For Class 52 Rating, Deduct	*-270.06*	
		For Class 54 Rating, Add	*374.70*	
		For Class 55 Rating, Add	*560.35*	
		For Class 56 Rating, Add	*743.55*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,131.22	357.89
		For Class 52 Rating, Deduct	*-284.78*	
		For Class 54 Rating, Add	*394.85*	
		For Class 55 Rating, Add	*590.35*	
		For Class 56 Rating, Add	*783.26*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,271.37	362.06
		For Class 52 Rating, Deduct	*-299.51*	
		For Class 54 Rating, Add	*415.00*	
		For Class 55 Rating, Add	*620.35*	
		For Class 56 Rating, Add	*822.97*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,411.54	366.22
		For Class 52 Rating, Deduct	*-314.23*	
		For Class 54 Rating, Add	*435.16*	
		For Class 55 Rating, Add	*650.35*	
		For Class 56 Rating, Add	*862.69*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,551.70	370.38
		For Class 52 Rating, Deduct	*-328.96*	
		For Class 54 Rating, Add	*455.31*	
		For Class 55 Rating, Add	*680.35*	
		For Class 56 Rating, Add	*902.41*	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,691.87	374.54
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*475.47*	
		For Class 55 Rating, Add	*710.36*	
		For Class 56 Rating, Add	*942.12*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,832.04	378.70
		For Class 52 Rating, Deduct	*-358.41*	
		For Class 54 Rating, Add	*495.62*	
		For Class 55 Rating, Add	*740.36*	
		For Class 56 Rating, Add	*981.84*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,972.20	382.87
		For Class 52 Rating, Deduct	*-373.13*	
		For Class 54 Rating, Add	*515.78*	
		For Class 55 Rating, Add	*770.36*	
		For Class 56 Rating, Add	*1,021.55*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,112.37	387.03
		For Class 52 Rating, Deduct	*-387.86*	
		For Class 54 Rating, Add	*535.93*	
		For Class 55 Rating, Add	*800.36*	
		For Class 56 Rating, Add	*1,061.27*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,252.52	391.19
		For Class 52 Rating, Deduct	*-402.58*	
		For Class 54 Rating, Add	*556.08*	
		For Class 55 Rating, Add	*830.36*	
		For Class 56 Rating, Add	*1,100.98*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,392.69	395.35
		For Class 52 Rating, Deduct	*-417.30*	
		For Class 54 Rating, Add	*576.24*	
		For Class 55 Rating, Add	*860.36*	
		For Class 56 Rating, Add	*1,140.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,532.85	399.51
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*596.39*	
		For Class 55 Rating, Add	*890.37*	
		For Class 56 Rating, Add	*1,180.41*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,673.02	403.68
		For Class 52 Rating, Deduct	*-446.75*	
		For Class 54 Rating, Add	*616.55*	
		For Class 55 Rating, Add	*920.37*	
		For Class 56 Rating, Add	*1,220.13*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,813.19	407.84
		For Class 52 Rating, Deduct	*-461.48*	
		For Class 54 Rating, Add	*636.70*	
		For Class 55 Rating, Add	*950.37*	
		For Class 56 Rating, Add	*1,259.84*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,953.35	412.00
		For Class 52 Rating, Deduct	*-476.20*	
		For Class 54 Rating, Add	*656.86*	
		For Class 55 Rating, Add	*980.37*	
		For Class 56 Rating, Add	*1,299.56*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,093.51	416.16
		For Class 52 Rating, Deduct	*-490.93*	
		For Class 54 Rating, Add	*677.01*	
		For Class 55 Rating, Add	*1,010.38*	
		For Class 56 Rating, Add	*1,339.28*	
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,233.67	420.32
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*697.17*	
		For Class 55 Rating, Add	*1,040.38*	
		For Class 56 Rating, Add	*1,378.99*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,373.84	424.49
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*717.32*	
		For Class 55 Rating, Add	*1,070.38*	
		For Class 56 Rating, Add	*1,418.70*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,514.01	428.65
		For Class 52 Rating, Deduct	*-535.10*	
		For Class 54 Rating, Add	*737.47*	
		For Class 55 Rating, Add	*1,100.38*	
		For Class 56 Rating, Add	*1,458.42*	
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,654.16	432.81
		For Class 52 Rating, Deduct	*-549.82*	
		For Class 54 Rating, Add	*757.63*	
		For Class 55 Rating, Add	*1,130.38*	
		For Class 56 Rating, Add	*1,498.14*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,794.33	436.96
		For Class 52 Rating, Deduct	*-564.55*	
		For Class 54 Rating, Add	*777.78*	
		For Class 55 Rating, Add	*1,160.38*	
		For Class 56 Rating, Add	*1,537.85*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,934.50	441.12
		For Class 52 Rating, Deduct	*-579.27*	
		For Class 54 Rating, Add	*797.94*	
		For Class 55 Rating, Add	*1,190.39*	
		For Class 56 Rating, Add	*1,577.57*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,074.67	445.29
		For Class 52 Rating, Deduct	*-594.00*	
		For Class 54 Rating, Add	*818.09*	
		For Class 55 Rating, Add	*1,220.39*	
		For Class 56 Rating, Add	*1,617.28*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,214.82	449.45
		For Class 52 Rating, Deduct	*-608.72*	
		For Class 54 Rating, Add	*838.25*	
		For Class 55 Rating, Add	*1,250.39*	
		For Class 56 Rating, Add	*1,657.00*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,354.98	453.61
		For Class 52 Rating, Deduct	*-623.45*	
		For Class 54 Rating, Add	*858.40*	
		For Class 55 Rating, Add	*1,280.39*	
		For Class 56 Rating, Add	*1,696.71*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,495.15	457.77
		For Class 52 Rating, Deduct	*-638.17*	
		For Class 54 Rating, Add	*878.56*	
		For Class 55 Rating, Add	*1,310.39*	
		For Class 56 Rating, Add	*1,736.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2695		8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,596.21	382.87
		For Class 52 Rating, Deduct	*-111.77*	
		For Class 54 Rating, Add	*159.38*	
		For Class 55 Rating, Add	*240.51*	
		For Class 56 Rating, Add	*320.64*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,775.93	387.03
		For Class 52 Rating, Deduct	*-130.85*	
		For Class 54 Rating, Add	*185.46*	
		For Class 55 Rating, Add	*279.34*	
		For Class 56 Rating, Add	*372.02*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,955.63	391.19
		For Class 52 Rating, Deduct	*-149.92*	
		For Class 54 Rating, Add	*211.55*	
		For Class 55 Rating, Add	*318.16*	
		For Class 56 Rating, Add	*423.40*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,135.35	395.35
		For Class 52 Rating, Deduct	*-169.00*	
		For Class 54 Rating, Add	*237.64*	
		For Class 55 Rating, Add	*356.98*	
		For Class 56 Rating, Add	*474.78*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,315.06	399.51
		For Class 52 Rating, Deduct	*-188.07*	
		For Class 54 Rating, Add	*263.72*	
		For Class 55 Rating, Add	*395.80*	
		For Class 56 Rating, Add	*526.16*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,494.78	403.68
		For Class 52 Rating, Deduct	*-207.15*	
		For Class 54 Rating, Add	*289.81*	
		For Class 55 Rating, Add	*434.62*	
		For Class 56 Rating, Add	*577.55*	
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,674.49	407.84
		For Class 52 Rating, Deduct	*-226.22*	
		For Class 54 Rating, Add	*315.90*	
		For Class 55 Rating, Add	*473.44*	
		For Class 56 Rating, Add	*628.93*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,854.20	412.00
		For Class 52 Rating, Deduct	*-245.30*	
		For Class 54 Rating, Add	*341.98*	
		For Class 55 Rating, Add	*512.26*	
		For Class 56 Rating, Add	*680.31*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,033.91	416.16
		For Class 52 Rating, Deduct	*-264.37*	
		For Class 54 Rating, Add	*368.07*	
		For Class 55 Rating, Add	*551.08*	
		For Class 56 Rating, Add	*731.69*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,213.63	420.32
		For Class 52 Rating, Deduct	*-283.45*	
		For Class 54 Rating, Add	*394.16*	
		For Class 55 Rating, Add	*589.91*	
		For Class 56 Rating, Add	*783.08*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,393.34	424.49
		For Class 52 Rating, Deduct	*-302.52*	
		For Class 54 Rating, Add	*420.24*	
		For Class 55 Rating, Add	*628.73*	
		For Class 56 Rating, Add	*834.46*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,573.06	428.65
		For Class 52 Rating, Deduct	*-321.59*	
		For Class 54 Rating, Add	*446.33*	
		For Class 55 Rating, Add	*667.55*	
		For Class 56 Rating, Add	*885.84*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,752.76	432.81
		For Class 52 Rating, Deduct	*-340.67*	
		For Class 54 Rating, Add	*472.42*	
		For Class 55 Rating, Add	*706.37*	
		For Class 56 Rating, Add	*937.22*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,932.48	436.96
		For Class 52 Rating, Deduct	*-359.75*	
		For Class 54 Rating, Add	*498.51*	
		For Class 55 Rating, Add	*745.19*	
		For Class 56 Rating, Add	*988.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,112.20	441.12
		For Class 52 Rating, Deduct	*-378.82*	
		For Class 54 Rating, Add	*524.59*	
		For Class 55 Rating, Add	*784.01*	
		For Class 56 Rating, Add	*1,039.99*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,291.91	445.29
		For Class 52 Rating, Deduct	*-397.89*	
		For Class 54 Rating, Add	*550.68*	
		For Class 55 Rating, Add	*822.83*	
		For Class 56 Rating, Add	*1,091.37*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,471.62	449.45
		For Class 52 Rating, Deduct	*-416.97*	
		For Class 54 Rating, Add	*576.77*	
		For Class 55 Rating, Add	*861.65*	
		For Class 56 Rating, Add	*1,142.75*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,651.33	453.61
		For Class 52 Rating, Deduct	*-436.04*	
		For Class 54 Rating, Add	*602.85*	
		For Class 55 Rating, Add	*900.48*	
		For Class 56 Rating, Add	*1,194.13*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,831.05	457.77
		For Class 52 Rating, Deduct	*-455.12*	
		For Class 54 Rating, Add	*628.94*	
		For Class 55 Rating, Add	*939.30*	
		For Class 56 Rating, Add	*1,245.52*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,010.76	461.93
		For Class 52 Rating, Deduct	*-474.19*	
		For Class 54 Rating, Add	*655.03*	
		For Class 55 Rating, Add	*978.12*	
		For Class 56 Rating, Add	*1,296.90*	
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,190.47	466.10
		For Class 52 Rating, Deduct	*-493.27*	
		For Class 54 Rating, Add	*681.11*	
		For Class 55 Rating, Add	*1,016.94*	
		For Class 56 Rating, Add	*1,348.28*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,370.18	470.26
		For Class 52 Rating, Deduct	*-512.34*	
		For Class 54 Rating, Add	*707.20*	
		For Class 55 Rating, Add	*1,055.76*	
		For Class 56 Rating, Add	*1,399.66*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,549.90	474.42
		For Class 52 Rating, Deduct	*-531.42*	
		For Class 54 Rating, Add	*733.29*	
		For Class 55 Rating, Add	*1,094.58*	
		For Class 56 Rating, Add	*1,451.05*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,729.61	478.58
		For Class 52 Rating, Deduct	*-550.49*	
		For Class 54 Rating, Add	*759.37*	
		For Class 55 Rating, Add	*1,133.40*	
		For Class 56 Rating, Add	*1,502.43*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,909.32	482.75
		For Class 52 Rating, Deduct	*-569.57*	
		For Class 54 Rating, Add	*785.46*	
		For Class 55 Rating, Add	*1,172.22*	
		For Class 56 Rating, Add	*1,553.81*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,089.04	486.91
		For Class 52 Rating, Deduct	*-588.64*	
		For Class 54 Rating, Add	*811.55*	
		For Class 55 Rating, Add	*1,211.05*	
		For Class 56 Rating, Add	*1,605.19*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,268.75	491.07
		For Class 52 Rating, Deduct	*-607.72*	
		For Class 54 Rating, Add	*837.63*	
		For Class 55 Rating, Add	*1,249.87*	
		For Class 56 Rating, Add	*1,656.57*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,448.47	495.23
		For Class 52 Rating, Deduct	*-626.79*	
		For Class 54 Rating, Add	*863.72*	
		For Class 55 Rating, Add	*1,288.69*	
		For Class 56 Rating, Add	*1,707.96*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,628.17	499.39
		For Class 52 Rating, Deduct	*-645.87*	
		For Class 54 Rating, Add	*889.81*	
		For Class 55 Rating, Add	*1,327.51*	
		For Class 56 Rating, Add	*1,759.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,807.89	503.56
		For Class 52 Rating, Deduct	*-664.94*	
		For Class 54 Rating, Add	*915.90*	
		For Class 55 Rating, Add	*1,366.33*	
		For Class 56 Rating, Add	*1,810.72*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,987.61	507.72
		For Class 52 Rating, Deduct	*-684.02*	
		For Class 54 Rating, Add	*941.98*	
		For Class 55 Rating, Add	*1,405.15*	
		For Class 56 Rating, Add	*1,862.10*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,167.32	511.88
		For Class 52 Rating, Deduct	*-703.09*	
		For Class 54 Rating, Add	*968.07*	
		For Class 55 Rating, Add	*1,443.97*	
		For Class 56 Rating, Add	*1,913.49*	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,347.02	516.04
		For Class 52 Rating, Deduct	*-722.17*	
		For Class 54 Rating, Add	*994.15*	
		For Class 55 Rating, Add	*1,482.79*	
		For Class 56 Rating, Add	*1,964.87*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,526.74	520.20
		For Class 52 Rating, Deduct	*-741.24*	
		For Class 54 Rating, Add	*1,020.24*	
		For Class 55 Rating, Add	*1,521.62*	
		For Class 56 Rating, Add	*2,016.25*	
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,706.46	524.37
		For Class 52 Rating, Deduct	*-760.32*	
		For Class 54 Rating, Add	*1,046.33*	
		For Class 55 Rating, Add	*1,560.44*	
		For Class 56 Rating, Add	*2,067.63*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,886.18	528.53
		For Class 52 Rating, Deduct	*-779.39*	
		For Class 54 Rating, Add	*1,072.42*	
		For Class 55 Rating, Add	*1,599.26*	
		For Class 56 Rating, Add	*2,119.02*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,065.87	532.68
		For Class 52 Rating, Deduct	*-798.47*	
		For Class 54 Rating, Add	*1,098.50*	
		For Class 55 Rating, Add	*1,638.08*	
		For Class 56 Rating, Add	*2,170.40*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,245.59	536.84
		For Class 52 Rating, Deduct	*-817.54*	
		For Class 54 Rating, Add	*1,124.59*	
		For Class 55 Rating, Add	*1,676.90*	
		For Class 56 Rating, Add	*2,221.78*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,425.31	541.00
		For Class 52 Rating, Deduct	*-836.62*	
		For Class 54 Rating, Add	*1,150.68*	
		For Class 55 Rating, Add	*1,715.72*	
		For Class 56 Rating, Add	*2,273.16*	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,002.20	466.10
		For Class 52 Rating, Deduct	*-142.56*	
		For Class 54 Rating, Add	*202.87*	
		For Class 55 Rating, Add	*305.95*	
		For Class 56 Rating, Add	*407.74*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,233.63	470.26
		For Class 52 Rating, Deduct	*-167.32*	
		For Class 54 Rating, Add	*236.72*	
		For Class 55 Rating, Add	*356.31*	
		For Class 56 Rating, Add	*474.38*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,465.07	474.42
		For Class 52 Rating, Deduct	*-192.09*	
		For Class 54 Rating, Add	*270.56*	
		For Class 55 Rating, Add	*406.67*	
		For Class 56 Rating, Add	*541.02*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,696.50	478.58
		For Class 52 Rating, Deduct	*-216.85*	
		For Class 54 Rating, Add	*304.41*	
		For Class 55 Rating, Add	*457.02*	
		For Class 56 Rating, Add	*607.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,927.93	482.75
		For Class 52 Rating, Deduct	*-241.62*	
		For Class 54 Rating, Add	*338.25*	
		For Class 55 Rating, Add	*507.37*	
		For Class 56 Rating, Add	*674.30*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,159.36	486.91
		For Class 52 Rating, Deduct	*-266.38*	
		For Class 54 Rating, Add	*372.10*	
		For Class 55 Rating, Add	*557.73*	
		For Class 56 Rating, Add	*740.94*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,390.79	491.07
		For Class 52 Rating, Deduct	*-291.14*	
		For Class 54 Rating, Add	*405.94*	
		For Class 55 Rating, Add	*608.08*	
		For Class 56 Rating, Add	*807.58*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,622.22	495.23
		For Class 52 Rating, Deduct	*-315.91*	
		For Class 54 Rating, Add	*439.78*	
		For Class 55 Rating, Add	*658.44*	
		For Class 56 Rating, Add	*874.21*	
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,853.65	499.39
		For Class 52 Rating, Deduct	*-340.67*	
		For Class 54 Rating, Add	*473.63*	
		For Class 55 Rating, Add	*708.79*	
		For Class 56 Rating, Add	*940.85*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,085.09	503.56
		For Class 52 Rating, Deduct	*-365.43*	
		For Class 54 Rating, Add	*507.48*	
		For Class 55 Rating, Add	*759.15*	
		For Class 56 Rating, Add	*1,007.49*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,316.52	507.72
		For Class 52 Rating, Deduct	*-390.20*	
		For Class 54 Rating, Add	*541.32*	
		For Class 55 Rating, Add	*809.50*	
		For Class 56 Rating, Add	*1,074.13*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,547.95	511.88
		For Class 52 Rating, Deduct	*-414.96*	
		For Class 54 Rating, Add	*575.16*	
		For Class 55 Rating, Add	*859.85*	
		For Class 56 Rating, Add	*1,140.77*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,779.37	516.04
		For Class 52 Rating, Deduct	*-439.73*	
		For Class 54 Rating, Add	*609.01*	
		For Class 55 Rating, Add	*910.21*	
		For Class 56 Rating, Add	*1,207.41*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,010.81	520.20
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*642.85*	
		For Class 55 Rating, Add	*960.56*	
		For Class 56 Rating, Add	*1,274.05*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,242.24	524.37
		For Class 52 Rating, Deduct	*-489.25*	
		For Class 54 Rating, Add	*676.70*	
		For Class 55 Rating, Add	*1,010.92*	
		For Class 56 Rating, Add	*1,340.69*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,473.68	528.53
		For Class 52 Rating, Deduct	*-514.02*	
		For Class 54 Rating, Add	*710.54*	
		For Class 55 Rating, Add	*1,061.27*	
		For Class 56 Rating, Add	*1,407.33*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,705.10	532.68
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*744.39*	
		For Class 55 Rating, Add	*1,111.63*	
		For Class 56 Rating, Add	*1,473.97*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,936.53	536.84
		For Class 52 Rating, Deduct	*-563.54*	
		For Class 54 Rating, Add	*778.23*	
		For Class 55 Rating, Add	*1,161.98*	
		For Class 56 Rating, Add	*1,540.61*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,167.97	541.00
		For Class 52 Rating, Deduct	*-588.31*	
		For Class 54 Rating, Add	*812.08*	
		For Class 55 Rating, Add	*1,212.34*	
		For Class 56 Rating, Add	*1,607.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,399.40	545.17
		For Class 52 Rating, Deduct	*-613.07*	
		For Class 54 Rating, Add	*845.92*	
		For Class 55 Rating, Add	*1,262.69*	
		For Class 56 Rating, Add	*1,673.88*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,630.83	549.33
		For Class 52 Rating, Deduct	*-637.84*	
		For Class 54 Rating, Add	*879.76*	
		For Class 55 Rating, Add	*1,313.04*	
		For Class 56 Rating, Add	*1,740.52*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,862.26	553.49
		For Class 52 Rating, Deduct	*-662.60*	
		For Class 54 Rating, Add	*913.61*	
		For Class 55 Rating, Add	*1,363.40*	
		For Class 56 Rating, Add	*1,807.16*	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,093.69	557.65
		For Class 52 Rating, Deduct	*-687.36*	
		For Class 54 Rating, Add	*947.45*	
		For Class 55 Rating, Add	*1,413.75*	
		For Class 56 Rating, Add	*1,873.80*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,325.13	561.81
		For Class 52 Rating, Deduct	*-712.13*	
		For Class 54 Rating, Add	*981.30*	
		For Class 55 Rating, Add	*1,464.11*	
		For Class 56 Rating, Add	*1,940.44*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,556.55	565.98
		For Class 52 Rating, Deduct	*-736.89*	
		For Class 54 Rating, Add	*1,015.14*	
		For Class 55 Rating, Add	*1,514.46*	
		For Class 56 Rating, Add	*2,007.08*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,787.98	570.14
		For Class 52 Rating, Deduct	*-761.66*	
		For Class 54 Rating, Add	*1,048.99*	
		For Class 55 Rating, Add	*1,564.82*	
		For Class 56 Rating, Add	*2,073.72*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,019.41	574.30
		For Class 52 Rating, Deduct	*-786.42*	
		For Class 54 Rating, Add	*1,082.83*	
		For Class 55 Rating, Add	*1,615.17*	
		For Class 56 Rating, Add	*2,140.36*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,250.85	578.46
		For Class 52 Rating, Deduct	*-811.18*	
		For Class 54 Rating, Add	*1,116.68*	
		For Class 55 Rating, Add	*1,665.52*	
		For Class 56 Rating, Add	*2,207.00*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,482.28	582.62
		For Class 52 Rating, Deduct	*-835.95*	
		For Class 54 Rating, Add	*1,150.52*	
		For Class 55 Rating, Add	*1,715.88*	
		For Class 56 Rating, Add	*2,273.64*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,713.71	586.79
		For Class 52 Rating, Deduct	*-860.71*	
		For Class 54 Rating, Add	*1,184.36*	
		For Class 55 Rating, Add	*1,766.23*	
		For Class 56 Rating, Add	*2,340.28*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,945.14	590.95
		For Class 52 Rating, Deduct	*-885.47*	
		For Class 54 Rating, Add	*1,218.21*	
		For Class 55 Rating, Add	*1,816.59*	
		For Class 56 Rating, Add	*2,406.92*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,176.57	595.11
		For Class 52 Rating, Deduct	*-910.24*	
		For Class 54 Rating, Add	*1,252.05*	
		For Class 55 Rating, Add	*1,866.94*	
		For Class 56 Rating, Add	*2,473.55*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,408.00	599.27
		For Class 52 Rating, Deduct	*-935.00*	
		For Class 54 Rating, Add	*1,285.90*	
		For Class 55 Rating, Add	*1,917.30*	
		For Class 56 Rating, Add	*2,540.19*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,639.43	603.43
		For Class 52 Rating, Deduct	*-959.77*	
		For Class 54 Rating, Add	*1,319.74*	
		For Class 55 Rating, Add	*1,967.65*	
		For Class 56 Rating, Add	*2,606.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,870.87	607.60
		For Class 52 Rating, Deduct	*-984.53*	
		For Class 54 Rating, Add	*1,353.59*	
		For Class 55 Rating, Add	*2,018.00*	
		For Class 56 Rating, Add	*2,673.47*	
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,102.30	611.76
		For Class 52 Rating, Deduct	*-1,009.29*	
		For Class 54 Rating, Add	*1,387.43*	
		For Class 55 Rating, Add	*2,068.36*	
		For Class 56 Rating, Add	*2,740.11*	
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,333.72	615.92
		For Class 52 Rating, Deduct	*-1,034.06*	
		For Class 54 Rating, Add	*1,421.28*	
		For Class 55 Rating, Add	*2,118.71*	
		For Class 56 Rating, Add	*2,806.75*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,565.16	620.08
		For Class 52 Rating, Deduct	*-1,058.82*	
		For Class 54 Rating, Add	*1,455.12*	
		For Class 55 Rating, Add	*2,169.07*	
		For Class 56 Rating, Add	*2,873.39*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,796.59	624.24
		For Class 52 Rating, Deduct	*-1,083.58*	
		For Class 54 Rating, Add	*1,488.97*	
		For Class 55 Rating, Add	*2,219.42*	
		For Class 56 Rating, Add	*2,940.03*	

40 05 19 00-2775 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,586.41	582.62
		For Class 52 Rating, Deduct	*-187.40*	
		For Class 54 Rating, Add	*266.14*	
		For Class 55 Rating, Add	*401.10*	
		For Class 56 Rating, Add	*534.36*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,872.61	586.79
		For Class 52 Rating, Deduct	*-218.19*	
		For Class 54 Rating, Add	*308.20*	
		For Class 55 Rating, Add	*463.67*	
		For Class 56 Rating, Add	*617.15*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,158.80	590.95
		For Class 52 Rating, Deduct	*-248.98*	
		For Class 54 Rating, Add	*350.26*	
		For Class 55 Rating, Add	*526.23*	
		For Class 56 Rating, Add	*699.95*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,444.99	595.11
		For Class 52 Rating, Deduct	*-279.76*	
		For Class 54 Rating, Add	*392.32*	
		For Class 55 Rating, Add	*588.80*	
		For Class 56 Rating, Add	*782.74*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,731.18	599.27
		For Class 52 Rating, Deduct	*-310.55*	
		For Class 54 Rating, Add	*434.38*	
		For Class 55 Rating, Add	*651.37*	
		For Class 56 Rating, Add	*865.53*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,017.37	603.43
		For Class 52 Rating, Deduct	*-341.34*	
		For Class 54 Rating, Add	*476.43*	
		For Class 55 Rating, Add	*713.93*	
		For Class 56 Rating, Add	*948.32*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,303.57	607.60
		For Class 52 Rating, Deduct	*-372.13*	
		For Class 54 Rating, Add	*518.49*	
		For Class 55 Rating, Add	*776.50*	
		For Class 56 Rating, Add	*1,031.12*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,589.76	611.76
		For Class 52 Rating, Deduct	*-402.91*	
		For Class 54 Rating, Add	*560.55*	
		For Class 55 Rating, Add	*839.06*	
		For Class 56 Rating, Add	*1,113.91*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,875.94	615.92
		For Class 52 Rating, Deduct	*-433.70*	
		For Class 54 Rating, Add	*602.61*	
		For Class 55 Rating, Add	*901.63*	
		For Class 56 Rating, Add	*1,196.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,162.14	620.08
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*644.67*	
		For Class 55 Rating, Add	*964.19*	
		For Class 56 Rating, Add	*1,279.50*	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,448.34	624.24
		For Class 52 Rating, Deduct	*-495.28*	
		For Class 54 Rating, Add	*686.73*	
		For Class 55 Rating, Add	*1,026.76*	
		For Class 56 Rating, Add	*1,362.29*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,734.53	628.40
		For Class 52 Rating, Deduct	*-526.06*	
		For Class 54 Rating, Add	*728.79*	
		For Class 55 Rating, Add	*1,089.33*	
		For Class 56 Rating, Add	*1,445.08*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,020.71	632.56
		For Class 52 Rating, Deduct	*-556.85*	
		For Class 54 Rating, Add	*770.84*	
		For Class 55 Rating, Add	*1,151.89*	
		For Class 56 Rating, Add	*1,527.88*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,306.90	636.72
		For Class 52 Rating, Deduct	*-587.64*	
		For Class 54 Rating, Add	*812.90*	
		For Class 55 Rating, Add	*1,214.46*	
		For Class 56 Rating, Add	*1,610.67*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,593.10	640.88
		For Class 52 Rating, Deduct	*-618.43*	
		For Class 54 Rating, Add	*854.96*	
		For Class 55 Rating, Add	*1,277.02*	
		For Class 56 Rating, Add	*1,693.47*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,879.30	645.04
		For Class 52 Rating, Deduct	*-649.21*	
		For Class 54 Rating, Add	*897.02*	
		For Class 55 Rating, Add	*1,339.59*	
		For Class 56 Rating, Add	*1,776.26*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,165.48	649.21
		For Class 52 Rating, Deduct	*-680.00*	
		For Class 54 Rating, Add	*939.08*	
		For Class 55 Rating, Add	*1,402.16*	
		For Class 56 Rating, Add	*1,859.05*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,451.67	653.37
		For Class 52 Rating, Deduct	*-710.79*	
		For Class 54 Rating, Add	*981.14*	
		For Class 55 Rating, Add	*1,464.72*	
		For Class 56 Rating, Add	*1,941.85*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,737.86	657.53
		For Class 52 Rating, Deduct	*-741.58*	
		For Class 54 Rating, Add	*1,023.20*	
		For Class 55 Rating, Add	*1,527.29*	
		For Class 56 Rating, Add	*2,024.64*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,024.06	661.69
		For Class 52 Rating, Deduct	*-772.36*	
		For Class 54 Rating, Add	*1,065.25*	
		For Class 55 Rating, Add	*1,589.85*	
		For Class 56 Rating, Add	*2,107.43*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,310.25	665.85
		For Class 52 Rating, Deduct	*-803.15*	
		For Class 54 Rating, Add	*1,107.31*	
		For Class 55 Rating, Add	*1,652.42*	
		For Class 56 Rating, Add	*2,190.23*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,596.43	670.02
		For Class 52 Rating, Deduct	*-833.94*	
		For Class 54 Rating, Add	*1,149.37*	
		For Class 55 Rating, Add	*1,714.99*	
		For Class 56 Rating, Add	*2,273.02*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,882.63	674.18
		For Class 52 Rating, Deduct	*-864.73*	
		For Class 54 Rating, Add	*1,191.43*	
		For Class 55 Rating, Add	*1,777.55*	
		For Class 56 Rating, Add	*2,355.81*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,168.82	678.34
		For Class 52 Rating, Deduct	*-895.51*	
		For Class 54 Rating, Add	*1,233.49*	
		For Class 55 Rating, Add	*1,840.12*	
		For Class 56 Rating, Add	*2,438.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,455.01	682.50
		For Class 52 Rating, Deduct	*-926.30*	
		For Class 54 Rating, Add	*1,275.55*	
		For Class 55 Rating, Add	*1,902.68*	
		For Class 56 Rating, Add	*2,521.40*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,741.21	686.66
		For Class 52 Rating, Deduct	*-957.09*	
		For Class 54 Rating, Add	*1,317.61*	
		For Class 55 Rating, Add	*1,965.25*	
		For Class 56 Rating, Add	*2,604.19*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,027.39	690.83
		For Class 52 Rating, Deduct	*-987.88*	
		For Class 54 Rating, Add	*1,359.66*	
		For Class 55 Rating, Add	*2,027.81*	
		For Class 56 Rating, Add	*2,686.98*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,313.59	694.99
		For Class 52 Rating, Deduct	*-1,018.66*	
		For Class 54 Rating, Add	*1,401.72*	
		For Class 55 Rating, Add	*2,090.38*	
		For Class 56 Rating, Add	*2,769.78*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,599.77	699.15
		For Class 52 Rating, Deduct	*-1,049.45*	
		For Class 54 Rating, Add	*1,443.78*	
		For Class 55 Rating, Add	*2,152.95*	
		For Class 56 Rating, Add	*2,852.57*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,885.97	703.31
		For Class 52 Rating, Deduct	*-1,080.24*	
		For Class 54 Rating, Add	*1,485.84*	
		For Class 55 Rating, Add	*2,215.51*	
		For Class 56 Rating, Add	*2,935.37*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,172.17	707.47
		For Class 52 Rating, Deduct	*-1,111.03*	
		For Class 54 Rating, Add	*1,527.90*	
		For Class 55 Rating, Add	*2,278.08*	
		For Class 56 Rating, Add	*3,018.16*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,458.35	711.64
		For Class 52 Rating, Deduct	*-1,141.81*	
		For Class 54 Rating, Add	*1,569.96*	
		For Class 55 Rating, Add	*2,340.64*	
		For Class 56 Rating, Add	*3,100.95*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,744.54	715.80
		For Class 52 Rating, Deduct	*-1,172.60*	
		For Class 54 Rating, Add	*1,612.02*	
		For Class 55 Rating, Add	*2,403.21*	
		For Class 56 Rating, Add	*3,183.75*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,030.74	719.96
		For Class 52 Rating, Deduct	*-1,203.39*	
		For Class 54 Rating, Add	*1,654.08*	
		For Class 55 Rating, Add	*2,465.78*	
		For Class 56 Rating, Add	*3,266.54*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,316.93	724.11
		For Class 52 Rating, Deduct	*-1,234.18*	
		For Class 54 Rating, Add	*1,696.13*	
		For Class 55 Rating, Add	*2,528.34*	
		For Class 56 Rating, Add	*3,349.33*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,603.13	728.27
		For Class 52 Rating, Deduct	*-1,264.96*	
		For Class 54 Rating, Add	*1,738.19*	
		For Class 55 Rating, Add	*2,590.91*	
		For Class 56 Rating, Add	*3,432.13*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,889.30	732.44
		For Class 52 Rating, Deduct	*-1,295.75*	
		For Class 54 Rating, Add	*1,780.25*	
		For Class 55 Rating, Add	*2,653.47*	
		For Class 56 Rating, Add	*3,514.92*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,175.50	736.60
		For Class 52 Rating, Deduct	*-1,326.54*	
		For Class 54 Rating, Add	*1,822.31*	
		For Class 55 Rating, Add	*2,716.04*	
		For Class 56 Rating, Add	*3,597.71*	
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,461.70	740.76
		For Class 52 Rating, Deduct	*-1,357.33*	
		For Class 54 Rating, Add	*1,864.37*	
		For Class 55 Rating, Add	*2,778.61*	
		For Class 56 Rating, Add	*3,680.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2815		14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,572.20	699.15
		For Class 52 Rating, Deduct	*-276.42*	
		For Class 54 Rating, Add	*389.65*	
		For Class 55 Rating, Add	*585.80*	
		For Class 56 Rating, Add	*779.44*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,919.24	703.31
		For Class 52 Rating, Deduct	*-313.90*	
		For Class 54 Rating, Add	*440.83*	
		For Class 55 Rating, Add	*661.93*	
		For Class 56 Rating, Add	*880.18*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,266.28	707.47
		For Class 52 Rating, Deduct	*-351.38*	
		For Class 54 Rating, Add	*492.02*	
		For Class 55 Rating, Add	*738.07*	
		For Class 56 Rating, Add	*980.92*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,613.31	711.64
		For Class 52 Rating, Deduct	*-388.86*	
		For Class 54 Rating, Add	*543.20*	
		For Class 55 Rating, Add	*814.20*	
		For Class 56 Rating, Add	*1,081.66*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,960.34	715.80
		For Class 52 Rating, Deduct	*-426.34*	
		For Class 54 Rating, Add	*594.39*	
		For Class 55 Rating, Add	*890.33*	
		For Class 56 Rating, Add	*1,182.41*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,307.38	719.96
		For Class 52 Rating, Deduct	*-463.82*	
		For Class 54 Rating, Add	*645.57*	
		For Class 55 Rating, Add	*966.47*	
		For Class 56 Rating, Add	*1,283.15*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,654.43	724.11
		For Class 52 Rating, Deduct	*-501.30*	
		For Class 54 Rating, Add	*696.76*	
		For Class 55 Rating, Add	*1,042.61*	
		For Class 56 Rating, Add	*1,383.90*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,001.47	728.27
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*747.94*	
		For Class 55 Rating, Add	*1,118.74*	
		For Class 56 Rating, Add	*1,484.64*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,348.49	732.44
		For Class 52 Rating, Deduct	*-576.26*	
		For Class 54 Rating, Add	*799.13*	
		For Class 55 Rating, Add	*1,194.87*	
		For Class 56 Rating, Add	*1,585.38*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,695.53	736.60
		For Class 52 Rating, Deduct	*-613.74*	
		For Class 54 Rating, Add	*850.31*	
		For Class 55 Rating, Add	*1,271.01*	
		For Class 56 Rating, Add	*1,686.12*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,042.57	740.76
		For Class 52 Rating, Deduct	*-651.22*	
		For Class 54 Rating, Add	*901.50*	
		For Class 55 Rating, Add	*1,347.14*	
		For Class 56 Rating, Add	*1,786.86*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,389.61	744.92
		For Class 52 Rating, Deduct	*-688.70*	
		For Class 54 Rating, Add	*952.68*	
		For Class 55 Rating, Add	*1,423.28*	
		For Class 56 Rating, Add	*1,887.61*	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,736.65	749.08
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*1,003.87*	
		For Class 55 Rating, Add	*1,499.41*	
		For Class 56 Rating, Add	*1,988.35*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,083.67	753.25
		For Class 52 Rating, Deduct	*-763.66*	
		For Class 54 Rating, Add	*1,055.05*	
		For Class 55 Rating, Add	*1,575.54*	
		For Class 56 Rating, Add	*2,089.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,430.71	757.41
		For Class 52 Rating, Deduct	*-801.14*	
		For Class 54 Rating, Add	*1,106.24*	
		For Class 55 Rating, Add	*1,651.68*	
		For Class 56 Rating, Add	*2,189.83*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,777.75	761.57
		For Class 52 Rating, Deduct	*-838.62*	
		For Class 54 Rating, Add	*1,157.42*	
		For Class 55 Rating, Add	*1,727.81*	
		For Class 56 Rating, Add	*2,290.58*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,124.79	765.73
		For Class 52 Rating, Deduct	*-876.10*	
		For Class 54 Rating, Add	*1,208.61*	
		For Class 55 Rating, Add	*1,803.95*	
		For Class 56 Rating, Add	*2,391.32*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,471.82	769.89
		For Class 52 Rating, Deduct	*-913.59*	
		For Class 54 Rating, Add	*1,259.80*	
		For Class 55 Rating, Add	*1,880.08*	
		For Class 56 Rating, Add	*2,492.06*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,818.86	774.06
		For Class 52 Rating, Deduct	*-951.07*	
		For Class 54 Rating, Add	*1,310.98*	
		For Class 55 Rating, Add	*1,956.22*	
		For Class 56 Rating, Add	*2,592.81*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,165.90	778.22
		For Class 52 Rating, Deduct	*-988.55*	
		For Class 54 Rating, Add	*1,362.17*	
		For Class 55 Rating, Add	*2,032.35*	
		For Class 56 Rating, Add	*2,693.55*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,512.94	782.38
		For Class 52 Rating, Deduct	*-1,026.03*	
		For Class 54 Rating, Add	*1,413.35*	
		For Class 55 Rating, Add	*2,108.49*	
		For Class 56 Rating, Add	*2,794.29*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,859.97	786.54
		For Class 52 Rating, Deduct	*-1,063.51*	
		For Class 54 Rating, Add	*1,464.54*	
		For Class 55 Rating, Add	*2,184.62*	
		For Class 56 Rating, Add	*2,895.03*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,207.00	790.70
		For Class 52 Rating, Deduct	*-1,100.99*	
		For Class 54 Rating, Add	*1,515.72*	
		For Class 55 Rating, Add	*2,260.75*	
		For Class 56 Rating, Add	*2,995.78*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,554.04	794.87
		For Class 52 Rating, Deduct	*-1,138.47*	
		For Class 54 Rating, Add	*1,566.91*	
		For Class 55 Rating, Add	*2,336.89*	
		For Class 56 Rating, Add	*3,096.52*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,901.08	799.03
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,618.09*	
		For Class 55 Rating, Add	*2,413.02*	
		For Class 56 Rating, Add	*3,197.26*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,248.11	803.19
		For Class 52 Rating, Deduct	*-1,213.43*	
		For Class 54 Rating, Add	*1,669.28*	
		For Class 55 Rating, Add	*2,489.16*	
		For Class 56 Rating, Add	*3,298.00*	
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,595.15	807.35
		For Class 52 Rating, Deduct	*-1,250.91*	
		For Class 54 Rating, Add	*1,720.46*	
		For Class 55 Rating, Add	*2,565.29*	
		For Class 56 Rating, Add	*3,398.74*	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,942.18	811.52
		For Class 52 Rating, Deduct	*-1,288.39*	
		For Class 54 Rating, Add	*1,771.65*	
		For Class 55 Rating, Add	*2,641.42*	
		For Class 56 Rating, Add	*3,499.49*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,289.22	815.68
		For Class 52 Rating, Deduct	*-1,325.87*	
		For Class 54 Rating, Add	*1,822.83*	
		For Class 55 Rating, Add	*2,717.56*	
		For Class 56 Rating, Add	*3,600.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,636.26	819.84
		For Class 52 Rating, Deduct	*-1,363.35*	
		For Class 54 Rating, Add	*1,874.02*	
		For Class 55 Rating, Add	*2,793.69*	
		For Class 56 Rating, Add	*3,700.97*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,983.30	823.99
		For Class 52 Rating, Deduct	*-1,400.83*	
		For Class 54 Rating, Add	*1,925.20*	
		For Class 55 Rating, Add	*2,869.83*	
		For Class 56 Rating, Add	*3,801.72*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,330.34	828.15
		For Class 52 Rating, Deduct	*-1,438.31*	
		For Class 54 Rating, Add	*1,976.39*	
		For Class 55 Rating, Add	*2,945.96*	
		For Class 56 Rating, Add	*3,902.46*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,677.37	832.32
		For Class 52 Rating, Deduct	*-1,475.79*	
		For Class 54 Rating, Add	*2,027.58*	
		For Class 55 Rating, Add	*3,022.10*	
		For Class 56 Rating, Add	*4,003.20*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,024.40	836.48
		For Class 52 Rating, Deduct	*-1,513.27*	
		For Class 54 Rating, Add	*2,078.76*	
		For Class 55 Rating, Add	*3,098.23*	
		For Class 56 Rating, Add	*4,103.94*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,371.44	840.64
		For Class 52 Rating, Deduct	*-1,550.75*	
		For Class 54 Rating, Add	*2,129.95*	
		For Class 55 Rating, Add	*3,174.36*	
		For Class 56 Rating, Add	*4,204.69*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,718.48	844.80
		For Class 52 Rating, Deduct	*-1,588.23*	
		For Class 54 Rating, Add	*2,181.13*	
		For Class 55 Rating, Add	*3,250.50*	
		For Class 56 Rating, Add	*4,305.43*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,065.52	848.96
		For Class 52 Rating, Deduct	*-1,625.71*	
		For Class 54 Rating, Add	*2,232.32*	
		For Class 55 Rating, Add	*3,326.63*	
		For Class 56 Rating, Add	*4,406.17*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,412.54	853.13
		For Class 52 Rating, Deduct	*-1,663.19*	
		For Class 54 Rating, Add	*2,283.50*	
		For Class 55 Rating, Add	*3,402.77*	
		For Class 56 Rating, Add	*4,506.91*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,176.83	799.03
		For Class 52 Rating, Deduct	*-326.28*	
		For Class 54 Rating, Add	*459.45*	
		For Class 55 Rating, Add	*690.51*	
		For Class 56 Rating, Add	*918.61*	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,578.63	803.19
		For Class 52 Rating, Deduct	*-369.78*	
		For Class 54 Rating, Add	*518.86*	
		For Class 55 Rating, Add	*778.86*	
		For Class 56 Rating, Add	*1,035.51*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,980.43	807.35
		For Class 52 Rating, Deduct	*-413.29*	
		For Class 54 Rating, Add	*578.25*	
		For Class 55 Rating, Add	*867.21*	
		For Class 56 Rating, Add	*1,152.40*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,382.22	811.52
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*637.65*	
		For Class 55 Rating, Add	*955.55*	
		For Class 56 Rating, Add	*1,269.30*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,784.02	815.68
		For Class 52 Rating, Deduct	*-500.30*	
		For Class 54 Rating, Add	*697.05*	
		For Class 55 Rating, Add	*1,043.90*	
		For Class 56 Rating, Add	*1,386.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,185.81	819.84
		For Class 52 Rating, Deduct	*-543.80*	
		For Class 54 Rating, Add	*756.45*	
		For Class 55 Rating, Add	*1,132.24*	
		For Class 56 Rating, Add	*1,503.09*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,587.61	823.99
		For Class 52 Rating, Deduct	*-587.30*	
		For Class 54 Rating, Add	*815.85*	
		For Class 55 Rating, Add	*1,220.59*	
		For Class 56 Rating, Add	*1,619.99*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,989.41	828.15
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*875.25*	
		For Class 55 Rating, Add	*1,308.94*	
		For Class 56 Rating, Add	*1,736.89*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,391.20	832.32
		For Class 52 Rating, Deduct	*-674.31*	
		For Class 54 Rating, Add	*934.65*	
		For Class 55 Rating, Add	*1,397.28*	
		For Class 56 Rating, Add	*1,853.78*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,792.99	836.48
		For Class 52 Rating, Deduct	*-717.82*	
		For Class 54 Rating, Add	*994.05*	
		For Class 55 Rating, Add	*1,485.63*	
		For Class 56 Rating, Add	*1,970.68*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,194.80	840.64
		For Class 52 Rating, Deduct	*-761.32*	
		For Class 54 Rating, Add	*1,053.45*	
		For Class 55 Rating, Add	*1,573.97*	
		For Class 56 Rating, Add	*2,087.58*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,596.60	844.80
		For Class 52 Rating, Deduct	*-804.82*	
		For Class 54 Rating, Add	*1,112.85*	
		For Class 55 Rating, Add	*1,662.32*	
		For Class 56 Rating, Add	*2,204.47*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,998.40	848.96
		For Class 52 Rating, Deduct	*-848.33*	
		For Class 54 Rating, Add	*1,172.25*	
		For Class 55 Rating, Add	*1,750.67*	
		For Class 56 Rating, Add	*2,321.37*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,400.18	853.13
		For Class 52 Rating, Deduct	*-891.83*	
		For Class 54 Rating, Add	*1,231.65*	
		For Class 55 Rating, Add	*1,839.01*	
		For Class 56 Rating, Add	*2,438.27*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,801.98	857.29
		For Class 52 Rating, Deduct	*-935.34*	
		For Class 54 Rating, Add	*1,291.05*	
		For Class 55 Rating, Add	*1,927.36*	
		For Class 56 Rating, Add	*2,555.16*	
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,203.78	861.45
		For Class 52 Rating, Deduct	*-978.84*	
		For Class 54 Rating, Add	*1,350.45*	
		For Class 55 Rating, Add	*2,015.70*	
		For Class 56 Rating, Add	*2,672.06*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,605.58	865.61
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,409.84*	
		For Class 55 Rating, Add	*2,104.05*	
		For Class 56 Rating, Add	*2,788.96*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,007.36	869.77
		For Class 52 Rating, Deduct	*-1,065.85*	
		For Class 54 Rating, Add	*1,469.24*	
		For Class 55 Rating, Add	*2,192.39*	
		For Class 56 Rating, Add	*2,905.85*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,409.17	873.94
		For Class 52 Rating, Deduct	*-1,109.35*	
		For Class 54 Rating, Add	*1,528.64*	
		For Class 55 Rating, Add	*2,280.74*	
		For Class 56 Rating, Add	*3,022.75*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,810.97	878.10
		For Class 52 Rating, Deduct	*-1,152.86*	
		For Class 54 Rating, Add	*1,588.04*	
		For Class 55 Rating, Add	*2,369.09*	
		For Class 56 Rating, Add	*3,139.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,212.77	882.26
		For Class 52 Rating, Deduct	*-1,196.36*	
		For Class 54 Rating, Add	*1,647.44*	
		For Class 55 Rating, Add	*2,457.43*	
		For Class 56 Rating, Add	*3,256.55*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,614.56	886.42
		For Class 52 Rating, Deduct	*-1,239.87*	
		For Class 54 Rating, Add	*1,706.84*	
		For Class 55 Rating, Add	*2,545.78*	
		For Class 56 Rating, Add	*3,373.44*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,016.35	890.58
		For Class 52 Rating, Deduct	*-1,283.37*	
		For Class 54 Rating, Add	*1,766.24*	
		For Class 55 Rating, Add	*2,634.12*	
		For Class 56 Rating, Add	*3,490.34*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,418.15	894.75
		For Class 52 Rating, Deduct	*-1,326.87*	
		For Class 54 Rating, Add	*1,825.64*	
		For Class 55 Rating, Add	*2,722.47*	
		For Class 56 Rating, Add	*3,607.24*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,819.95	898.91
		For Class 52 Rating, Deduct	*-1,370.38*	
		For Class 54 Rating, Add	*1,885.04*	
		For Class 55 Rating, Add	*2,810.81*	
		For Class 56 Rating, Add	*3,724.13*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,221.74	903.07
		For Class 52 Rating, Deduct	*-1,413.88*	
		For Class 54 Rating, Add	*1,944.44*	
		For Class 55 Rating, Add	*2,899.16*	
		For Class 56 Rating, Add	*3,841.03*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,623.55	907.23
		For Class 52 Rating, Deduct	*-1,457.39*	
		For Class 54 Rating, Add	*2,003.84*	
		For Class 55 Rating, Add	*2,987.51*	
		For Class 56 Rating, Add	*3,957.93*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,025.34	911.39
		For Class 52 Rating, Deduct	*-1,500.89*	
		For Class 54 Rating, Add	*2,063.24*	
		For Class 55 Rating, Add	*3,075.85*	
		For Class 56 Rating, Add	*4,074.82*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,427.14	915.56
		For Class 52 Rating, Deduct	*-1,544.39*	
		For Class 54 Rating, Add	*2,122.64*	
		For Class 55 Rating, Add	*3,164.20*	
		For Class 56 Rating, Add	*4,191.72*	
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,828.93	919.71
		For Class 52 Rating, Deduct	*-1,587.90*	
		For Class 54 Rating, Add	*2,182.04*	
		For Class 55 Rating, Add	*3,252.54*	
		For Class 56 Rating, Add	*4,308.62*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,230.73	923.87
		For Class 52 Rating, Deduct	*-1,631.40*	
		For Class 54 Rating, Add	*2,241.44*	
		For Class 55 Rating, Add	*3,340.89*	
		For Class 56 Rating, Add	*4,425.51*	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,632.53	928.03
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,300.83*	
		For Class 55 Rating, Add	*3,429.24*	
		For Class 56 Rating, Add	*4,542.41*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,034.32	932.19
		For Class 52 Rating, Deduct	*-1,718.41*	
		For Class 54 Rating, Add	*2,360.23*	
		For Class 55 Rating, Add	*3,517.58*	
		For Class 56 Rating, Add	*4,659.31*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,436.11	936.36
		For Class 52 Rating, Deduct	*-1,761.91*	
		For Class 54 Rating, Add	*2,419.63*	
		For Class 55 Rating, Add	*3,605.93*	
		For Class 56 Rating, Add	*4,776.20*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,837.91	940.52
		For Class 52 Rating, Deduct	*-1,805.42*	
		For Class 54 Rating, Add	*2,479.03*	
		For Class 55 Rating, Add	*3,694.27*	
		For Class 56 Rating, Add	*4,893.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,239.72	944.68
		For Class 52 Rating, Deduct	*-1,848.92*	
		For Class 54 Rating, Add	*2,538.43*	
		For Class 55 Rating, Add	*3,782.62*	
		For Class 56 Rating, Add	*5,010.00*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,641.52	948.84
		For Class 52 Rating, Deduct	*-1,892.43*	
		For Class 54 Rating, Add	*2,597.83*	
		For Class 55 Rating, Add	*3,870.97*	
		For Class 56 Rating, Add	*5,126.90*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,043.30	953.00
		For Class 52 Rating, Deduct	*-1,935.93*	
		For Class 54 Rating, Add	*2,657.23*	
		For Class 55 Rating, Add	*3,959.31*	
		For Class 56 Rating, Add	*5,243.79*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,878.29	900.58
		For Class 52 Rating, Deduct	*-386.52*	
		For Class 54 Rating, Add	*543.44*	
		For Class 55 Rating, Add	*816.32*	
		For Class 56 Rating, Add	*1,085.69*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,340.92	904.74
		For Class 52 Rating, Deduct	*-436.71*	
		For Class 54 Rating, Add	*611.97*	
		For Class 55 Rating, Add	*918.24*	
		For Class 56 Rating, Add	*1,220.53*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,803.57	908.90
		For Class 52 Rating, Deduct	*-486.91*	
		For Class 54 Rating, Add	*680.49*	
		For Class 55 Rating, Add	*1,020.15*	
		For Class 56 Rating, Add	*1,355.38*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,266.22	913.06
		For Class 52 Rating, Deduct	*-537.11*	
		For Class 54 Rating, Add	*749.02*	
		For Class 55 Rating, Add	*1,122.07*	
		For Class 56 Rating, Add	*1,490.23*	
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,728.85	917.23
		For Class 52 Rating, Deduct	*-587.30*	
		For Class 54 Rating, Add	*817.55*	
		For Class 55 Rating, Add	*1,223.98*	
		For Class 56 Rating, Add	*1,625.07*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,191.50	921.39
		For Class 52 Rating, Deduct	*-637.50*	
		For Class 54 Rating, Add	*886.07*	
		For Class 55 Rating, Add	*1,325.89*	
		For Class 56 Rating, Add	*1,759.92*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,654.13	925.55
		For Class 52 Rating, Deduct	*-687.70*	
		For Class 54 Rating, Add	*954.60*	
		For Class 55 Rating, Add	*1,427.81*	
		For Class 56 Rating, Add	*1,894.76*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,116.78	929.71
		For Class 52 Rating, Deduct	*-737.90*	
		For Class 54 Rating, Add	*1,023.12*	
		For Class 55 Rating, Add	*1,529.72*	
		For Class 56 Rating, Add	*2,029.61*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,579.42	933.86
		For Class 52 Rating, Deduct	*-788.09*	
		For Class 54 Rating, Add	*1,091.65*	
		For Class 55 Rating, Add	*1,631.64*	
		For Class 56 Rating, Add	*2,164.46*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,042.06	938.03
		For Class 52 Rating, Deduct	*-838.29*	
		For Class 54 Rating, Add	*1,160.18*	
		For Class 55 Rating, Add	*1,733.55*	
		For Class 56 Rating, Add	*2,299.30*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,504.70	942.19
		For Class 52 Rating, Deduct	*-888.49*	
		For Class 54 Rating, Add	*1,228.70*	
		For Class 55 Rating, Add	*1,835.47*	
		For Class 56 Rating, Add	*2,434.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,967.34	946.35
		For Class 52 Rating, Deduct	*-938.68*	
		For Class 54 Rating, Add	*1,297.23*	
		For Class 55 Rating, Add	*1,937.38*	
		For Class 56 Rating, Add	*2,569.00*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,429.98	950.51
		For Class 52 Rating, Deduct	*-988.88*	
		For Class 54 Rating, Add	*1,365.75*	
		For Class 55 Rating, Add	*2,039.29*	
		For Class 56 Rating, Add	*2,703.84*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,892.63	954.67
		For Class 52 Rating, Deduct	*-1,039.08*	
		For Class 54 Rating, Add	*1,434.28*	
		For Class 55 Rating, Add	*2,141.21*	
		For Class 56 Rating, Add	*2,838.69*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,355.27	958.84
		For Class 52 Rating, Deduct	*-1,089.27*	
		For Class 54 Rating, Add	*1,502.81*	
		For Class 55 Rating, Add	*2,243.12*	
		For Class 56 Rating, Add	*2,973.53*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,817.91	963.00
		For Class 52 Rating, Deduct	*-1,139.47*	
		For Class 54 Rating, Add	*1,571.33*	
		For Class 55 Rating, Add	*2,345.04*	
		For Class 56 Rating, Add	*3,108.38*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,280.54	967.16
		For Class 52 Rating, Deduct	*-1,189.67*	
		For Class 54 Rating, Add	*1,639.86*	
		For Class 55 Rating, Add	*2,446.95*	
		For Class 56 Rating, Add	*3,243.23*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,743.19	971.32
		For Class 52 Rating, Deduct	*-1,239.87*	
		For Class 54 Rating, Add	*1,708.39*	
		For Class 55 Rating, Add	*2,548.87*	
		For Class 56 Rating, Add	*3,378.07*	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,205.84	975.48
		For Class 52 Rating, Deduct	*-1,290.06*	
		For Class 54 Rating, Add	*1,776.91*	
		For Class 55 Rating, Add	*2,650.78*	
		For Class 56 Rating, Add	*3,512.92*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,668.48	979.65
		For Class 52 Rating, Deduct	*-1,340.26*	
		For Class 54 Rating, Add	*1,845.44*	
		For Class 55 Rating, Add	*2,752.69*	
		For Class 56 Rating, Add	*3,647.77*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,131.11	983.81
		For Class 52 Rating, Deduct	*-1,390.46*	
		For Class 54 Rating, Add	*1,913.96*	
		For Class 55 Rating, Add	*2,854.61*	
		For Class 56 Rating, Add	*3,782.61*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,593.75	987.97
		For Class 52 Rating, Deduct	*-1,440.65*	
		For Class 54 Rating, Add	*1,982.49*	
		For Class 55 Rating, Add	*2,956.52*	
		For Class 56 Rating, Add	*3,917.46*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,056.40	992.13
		For Class 52 Rating, Deduct	*-1,490.85*	
		For Class 54 Rating, Add	*2,051.02*	
		For Class 55 Rating, Add	*3,058.44*	
		For Class 56 Rating, Add	*4,052.30*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,519.05	996.29
		For Class 52 Rating, Deduct	*-1,541.05*	
		For Class 54 Rating, Add	*2,119.54*	
		For Class 55 Rating, Add	*3,160.35*	
		For Class 56 Rating, Add	*4,187.15*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,981.68	1,000.46
		For Class 52 Rating, Deduct	*-1,591.24*	
		For Class 54 Rating, Add	*2,188.07*	
		For Class 55 Rating, Add	*3,262.26*	
		For Class 56 Rating, Add	*4,322.00*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,444.32	1,004.62
		For Class 52 Rating, Deduct	*-1,641.44*	
		For Class 54 Rating, Add	*2,256.59*	
		For Class 55 Rating, Add	*3,364.18*	
		For Class 56 Rating, Add	*4,456.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,906.96	1,008.78
		For Class 52 Rating, Deduct	*-1,691.64*	
		For Class 54 Rating, Add	*2,325.12*	
		For Class 55 Rating, Add	*3,466.09*	
		For Class 56 Rating, Add	*4,591.69*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,369.61	1,012.94
		For Class 52 Rating, Deduct	*-1,741.83*	
		For Class 54 Rating, Add	*2,393.65*	
		For Class 55 Rating, Add	*3,568.01*	
		For Class 56 Rating, Add	*4,726.53*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,832.25	1,017.10
		For Class 52 Rating, Deduct	*-1,792.03*	
		For Class 54 Rating, Add	*2,462.17*	
		For Class 55 Rating, Add	*3,669.92*	
		For Class 56 Rating, Add	*4,861.38*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,294.89	1,021.27
		For Class 52 Rating, Deduct	*-1,842.23*	
		For Class 54 Rating, Add	*2,530.70*	
		For Class 55 Rating, Add	*3,771.84*	
		For Class 56 Rating, Add	*4,996.23*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,757.53	1,025.43
		For Class 52 Rating, Deduct	*-1,892.43*	
		For Class 54 Rating, Add	*2,599.22*	
		For Class 55 Rating, Add	*3,873.75*	
		For Class 56 Rating, Add	*5,131.07*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,220.17	1,029.59
		For Class 52 Rating, Deduct	*-1,942.62*	
		For Class 54 Rating, Add	*2,667.75*	
		For Class 55 Rating, Add	*3,975.66*	
		For Class 56 Rating, Add	*5,265.92*	
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,682.81	1,033.74
		For Class 52 Rating, Deduct	*-1,992.82*	
		For Class 54 Rating, Add	*2,736.28*	
		For Class 55 Rating, Add	*4,077.58*	
		For Class 56 Rating, Add	*5,400.77*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,145.46	1,037.90
		For Class 52 Rating, Deduct	*-2,043.02*	
		For Class 54 Rating, Add	*2,804.80*	
		For Class 55 Rating, Add	*4,179.49*	
		For Class 56 Rating, Add	*5,535.61*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,608.09	1,042.07
		For Class 52 Rating, Deduct	*-2,093.21*	
		For Class 54 Rating, Add	*2,873.33*	
		For Class 55 Rating, Add	*4,281.41*	
		For Class 56 Rating, Add	*5,670.46*	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,070.74	1,046.23
		For Class 52 Rating, Deduct	*-2,143.41*	
		For Class 54 Rating, Add	*2,941.85*	
		For Class 55 Rating, Add	*4,383.32*	
		For Class 56 Rating, Add	*5,805.30*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,533.37	1,050.39
		For Class 52 Rating, Deduct	*-2,193.61*	
		For Class 54 Rating, Add	*3,010.38*	
		For Class 55 Rating, Add	*4,485.24*	
		For Class 56 Rating, Add	*5,940.15*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,996.02	1,054.55
		For Class 52 Rating, Deduct	*-2,243.80*	
		For Class 54 Rating, Add	*3,078.91*	
		For Class 55 Rating, Add	*4,587.15*	
		For Class 56 Rating, Add	*6,075.00*	

40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,649.26	1,027.91
		For Class 52 Rating, Deduct	*-450.10*	
		For Class 54 Rating, Add	*632.46*	
		For Class 55 Rating, Add	*949.85*	
		For Class 56 Rating, Add	*1,263.15*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,175.79	1,032.07
		For Class 52 Rating, Deduct	*-507.32*	
		For Class 54 Rating, Add	*710.57*	
		For Class 55 Rating, Add	*1,066.01*	
		For Class 56 Rating, Add	*1,416.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,702.31	1,036.23
		For Class 52 Rating, Deduct	*-564.55*	
		For Class 54 Rating, Add	*788.68*	
		For Class 55 Rating, Add	*1,182.18*	
		For Class 56 Rating, Add	*1,570.54*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,228.84	1,040.40
		For Class 52 Rating, Deduct	*-621.77*	
		For Class 54 Rating, Add	*866.79*	
		For Class 55 Rating, Add	*1,298.34*	
		For Class 56 Rating, Add	*1,724.23*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,755.37	1,044.56
		For Class 52 Rating, Deduct	*-679.00*	
		For Class 54 Rating, Add	*944.90*	
		For Class 55 Rating, Add	*1,414.50*	
		For Class 56 Rating, Add	*1,877.92*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,281.91	1,048.72
		For Class 52 Rating, Deduct	*-736.22*	
		For Class 54 Rating, Add	*1,023.01*	
		For Class 55 Rating, Add	*1,530.66*	
		For Class 56 Rating, Add	*2,031.62*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,808.42	1,052.88
		For Class 52 Rating, Deduct	*-793.45*	
		For Class 54 Rating, Add	*1,101.12*	
		For Class 55 Rating, Add	*1,646.82*	
		For Class 56 Rating, Add	*2,185.31*	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,334.95	1,057.04
		For Class 52 Rating, Deduct	*-850.67*	
		For Class 54 Rating, Add	*1,179.22*	
		For Class 55 Rating, Add	*1,762.98*	
		For Class 56 Rating, Add	*2,339.00*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,861.49	1,061.21
		For Class 52 Rating, Deduct	*-907.90*	
		For Class 54 Rating, Add	*1,257.33*	
		For Class 55 Rating, Add	*1,879.14*	
		For Class 56 Rating, Add	*2,492.70*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,388.02	1,065.37
		For Class 52 Rating, Deduct	*-965.12*	
		For Class 54 Rating, Add	*1,335.44*	
		For Class 55 Rating, Add	*1,995.30*	
		For Class 56 Rating, Add	*2,646.39*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,914.54	1,069.53
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,413.55*	
		For Class 55 Rating, Add	*2,111.46*	
		For Class 56 Rating, Add	*2,800.08*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,441.07	1,073.69
		For Class 52 Rating, Deduct	*-1,079.57*	
		For Class 54 Rating, Add	*1,491.66*	
		For Class 55 Rating, Add	*2,227.63*	
		For Class 56 Rating, Add	*2,953.77*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,967.60	1,077.85
		For Class 52 Rating, Deduct	*-1,136.79*	
		For Class 54 Rating, Add	*1,569.77*	
		For Class 55 Rating, Add	*2,343.79*	
		For Class 56 Rating, Add	*3,107.47*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,494.13	1,082.02
		For Class 52 Rating, Deduct	*-1,194.02*	
		For Class 54 Rating, Add	*1,647.88*	
		For Class 55 Rating, Add	*2,459.95*	
		For Class 56 Rating, Add	*3,261.16*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,020.66	1,086.18
		For Class 52 Rating, Deduct	*-1,251.24*	
		For Class 54 Rating, Add	*1,725.99*	
		For Class 55 Rating, Add	*2,576.11*	
		For Class 56 Rating, Add	*3,414.85*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,547.18	1,090.34
		For Class 52 Rating, Deduct	*-1,308.47*	
		For Class 54 Rating, Add	*1,804.10*	
		For Class 55 Rating, Add	*2,692.27*	
		For Class 56 Rating, Add	*3,568.54*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,073.71	1,094.50
		For Class 52 Rating, Deduct	*-1,365.69*	
		For Class 54 Rating, Add	*1,882.21*	
		For Class 55 Rating, Add	*2,808.43*	
		For Class 56 Rating, Add	*3,722.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,600.24	1,098.66
		For Class 52 Rating, Deduct	*-1,422.92*	
		For Class 54 Rating, Add	*1,960.32*	
		For Class 55 Rating, Add	*2,924.59*	
		For Class 56 Rating, Add	*3,875.93*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,126.77	1,102.83
		For Class 52 Rating, Deduct	*-1,480.14*	
		For Class 54 Rating, Add	*2,038.43*	
		For Class 55 Rating, Add	*3,040.75*	
		For Class 56 Rating, Add	*4,029.62*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,653.30	1,106.99
		For Class 52 Rating, Deduct	*-1,537.37*	
		For Class 54 Rating, Add	*2,116.53*	
		For Class 55 Rating, Add	*3,156.91*	
		For Class 56 Rating, Add	*4,183.32*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,179.82	1,111.14
		For Class 52 Rating, Deduct	*-1,594.59*	
		For Class 54 Rating, Add	*2,194.64*	
		For Class 55 Rating, Add	*3,273.07*	
		For Class 56 Rating, Add	*4,337.01*	
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,706.36	1,115.30
		For Class 52 Rating, Deduct	*-1,651.82*	
		For Class 54 Rating, Add	*2,272.75*	
		For Class 55 Rating, Add	*3,389.24*	
		For Class 56 Rating, Add	*4,490.70*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,232.89	1,119.46
		For Class 52 Rating, Deduct	*-1,709.04*	
		For Class 54 Rating, Add	*2,350.86*	
		For Class 55 Rating, Add	*3,505.40*	
		For Class 56 Rating, Add	*4,644.39*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,759.41	1,123.63
		For Class 52 Rating, Deduct	*-1,766.26*	
		For Class 54 Rating, Add	*2,428.97*	
		For Class 55 Rating, Add	*3,621.56*	
		For Class 56 Rating, Add	*4,798.09*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,285.95	1,127.79
		For Class 52 Rating, Deduct	*-1,823.49*	
		For Class 54 Rating, Add	*2,507.08*	
		For Class 55 Rating, Add	*3,737.72*	
		For Class 56 Rating, Add	*4,951.78*	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,812.47	1,131.95
		For Class 52 Rating, Deduct	*-1,880.71*	
		For Class 54 Rating, Add	*2,585.19*	
		For Class 55 Rating, Add	*3,853.88*	
		For Class 56 Rating, Add	*5,105.47*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,339.00	1,136.11
		For Class 52 Rating, Deduct	*-1,937.94*	
		For Class 54 Rating, Add	*2,663.30*	
		For Class 55 Rating, Add	*3,970.04*	
		For Class 56 Rating, Add	*5,259.16*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,865.52	1,140.28
		For Class 52 Rating, Deduct	*-1,995.16*	
		For Class 54 Rating, Add	*2,741.41*	
		For Class 55 Rating, Add	*4,086.20*	
		For Class 56 Rating, Add	*5,412.86*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,392.06	1,144.44
		For Class 52 Rating, Deduct	*-2,052.39*	
		For Class 54 Rating, Add	*2,819.52*	
		For Class 55 Rating, Add	*4,202.36*	
		For Class 56 Rating, Add	*5,566.55*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,918.59	1,148.60
		For Class 52 Rating, Deduct	*-2,109.61*	
		For Class 54 Rating, Add	*2,897.63*	
		For Class 55 Rating, Add	*4,318.52*	
		For Class 56 Rating, Add	*5,720.24*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,445.11	1,152.76
		For Class 52 Rating, Deduct	*-2,166.84*	
		For Class 54 Rating, Add	*2,975.73*	
		For Class 55 Rating, Add	*4,434.68*	
		For Class 56 Rating, Add	*5,873.94*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,971.64	1,156.92
		For Class 52 Rating, Deduct	*-2,224.06*	
		For Class 54 Rating, Add	*3,053.84*	
		For Class 55 Rating, Add	*4,550.85*	
		For Class 56 Rating, Add	*6,027.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,498.17	1,161.09
		For Class 52 Rating, Deduct	*-2,281.28*	
		For Class 54 Rating, Add	*3,131.95*	
		For Class 55 Rating, Add	*4,667.01*	
		For Class 56 Rating, Add	*6,181.32*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,024.70	1,165.25
		For Class 52 Rating, Deduct	*-2,338.51*	
		For Class 54 Rating, Add	*3,210.06*	
		For Class 55 Rating, Add	*4,783.17*	
		For Class 56 Rating, Add	*6,335.01*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,551.24	1,169.41
		For Class 52 Rating, Deduct	*-2,395.73*	
		For Class 54 Rating, Add	*3,288.17*	
		For Class 55 Rating, Add	*4,899.33*	
		For Class 56 Rating, Add	*6,488.71*	
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,077.75	1,173.57
		For Class 52 Rating, Deduct	*-2,452.96*	
		For Class 54 Rating, Add	*3,366.28*	
		For Class 55 Rating, Add	*5,015.49*	
		For Class 56 Rating, Add	*6,642.40*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,604.28	1,177.73
		For Class 52 Rating, Deduct	*-2,510.18*	
		For Class 54 Rating, Add	*3,444.39*	
		For Class 55 Rating, Add	*5,131.65*	
		For Class 56 Rating, Add	*6,796.09*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,130.82	1,181.90
		For Class 52 Rating, Deduct	*-2,567.41*	
		For Class 54 Rating, Add	*3,522.50*	
		For Class 55 Rating, Add	*5,247.81*	
		For Class 56 Rating, Add	*6,949.79*	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,006.91	1,215.18
		For Class 52 Rating, Deduct	*-568.23*	
		For Class 54 Rating, Add	*796.95*	
		For Class 55 Rating, Add	*1,196.14*	
		For Class 56 Rating, Add	*1,590.17*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,658.18	1,219.34
		For Class 52 Rating, Deduct	*-639.17*	
		For Class 54 Rating, Add	*893.77*	
		For Class 55 Rating, Add	*1,340.12*	
		For Class 56 Rating, Add	*1,780.66*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,309.43	1,223.51
		For Class 52 Rating, Deduct	*-710.12*	
		For Class 54 Rating, Add	*990.59*	
		For Class 55 Rating, Add	*1,484.10*	
		For Class 56 Rating, Add	*1,971.15*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,960.70	1,227.67
		For Class 52 Rating, Deduct	*-781.06*	
		For Class 54 Rating, Add	*1,087.41*	
		For Class 55 Rating, Add	*1,628.07*	
		For Class 56 Rating, Add	*2,161.64*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,611.95	1,231.83
		For Class 52 Rating, Deduct	*-852.01*	
		For Class 54 Rating, Add	*1,184.23*	
		For Class 55 Rating, Add	*1,772.05*	
		For Class 56 Rating, Add	*2,352.13*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,263.22	1,235.99
		For Class 52 Rating, Deduct	*-922.96*	
		For Class 54 Rating, Add	*1,281.05*	
		For Class 55 Rating, Add	*1,916.03*	
		For Class 56 Rating, Add	*2,542.62*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,914.47	1,240.15
		For Class 52 Rating, Deduct	*-993.90*	
		For Class 54 Rating, Add	*1,377.87*	
		For Class 55 Rating, Add	*2,060.00*	
		For Class 56 Rating, Add	*2,733.10*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,565.74	1,244.32
		For Class 52 Rating, Deduct	*-1,064.85*	
		For Class 54 Rating, Add	*1,474.69*	
		For Class 55 Rating, Add	*2,203.98*	
		For Class 56 Rating, Add	*2,923.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,217.00	1,248.48
		For Class 52 Rating, Deduct	*-1,135.79*	
		For Class 54 Rating, Add	*1,571.50*	
		For Class 55 Rating, Add	*2,347.95*	
		For Class 56 Rating, Add	*3,114.08*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,868.26	1,252.64
		For Class 52 Rating, Deduct	*-1,206.74*	
		For Class 54 Rating, Add	*1,668.32*	
		For Class 55 Rating, Add	*2,491.93*	
		For Class 56 Rating, Add	*3,304.57*	
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,519.51	1,256.80
		For Class 52 Rating, Deduct	*-1,277.68*	
		For Class 54 Rating, Add	*1,765.14*	
		For Class 55 Rating, Add	*2,635.91*	
		For Class 56 Rating, Add	*3,495.06*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,170.78	1,260.96
		For Class 52 Rating, Deduct	*-1,348.63*	
		For Class 54 Rating, Add	*1,861.96*	
		For Class 55 Rating, Add	*2,779.88*	
		For Class 56 Rating, Add	*3,685.55*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,822.04	1,265.13
		For Class 52 Rating, Deduct	*-1,419.57*	
		For Class 54 Rating, Add	*1,958.78*	
		For Class 55 Rating, Add	*2,923.86*	
		For Class 56 Rating, Add	*3,876.04*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,473.31	1,269.29
		For Class 52 Rating, Deduct	*-1,490.52*	
		For Class 54 Rating, Add	*2,055.60*	
		For Class 55 Rating, Add	*3,067.84*	
		For Class 56 Rating, Add	*4,066.53*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,124.55	1,273.45
		For Class 52 Rating, Deduct	*-1,561.46*	
		For Class 54 Rating, Add	*2,152.42*	
		For Class 55 Rating, Add	*3,211.81*	
		For Class 56 Rating, Add	*4,257.01*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,775.82	1,277.61
		For Class 52 Rating, Deduct	*-1,632.41*	
		For Class 54 Rating, Add	*2,249.24*	
		For Class 55 Rating, Add	*3,355.79*	
		For Class 56 Rating, Add	*4,447.50*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,427.08	1,281.77
		For Class 52 Rating, Deduct	*-1,703.35*	
		For Class 54 Rating, Add	*2,346.05*	
		For Class 55 Rating, Add	*3,499.76*	
		For Class 56 Rating, Add	*4,637.99*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,078.35	1,285.94
		For Class 52 Rating, Deduct	*-1,774.30*	
		For Class 54 Rating, Add	*2,442.87*	
		For Class 55 Rating, Add	*3,643.74*	
		For Class 56 Rating, Add	*4,828.48*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,729.59	1,290.10
		For Class 52 Rating, Deduct	*-1,845.24*	
		For Class 54 Rating, Add	*2,539.69*	
		For Class 55 Rating, Add	*3,787.72*	
		For Class 56 Rating, Add	*5,018.97*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,380.86	1,294.26
		For Class 52 Rating, Deduct	*-1,916.19*	
		For Class 54 Rating, Add	*2,636.51*	
		For Class 55 Rating, Add	*3,931.69*	
		For Class 56 Rating, Add	*5,209.46*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,032.12	1,298.42
		For Class 52 Rating, Deduct	*-1,987.13*	
		For Class 54 Rating, Add	*2,733.33*	
		For Class 55 Rating, Add	*4,075.67*	
		For Class 56 Rating, Add	*5,399.94*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,683.39	1,302.57
		For Class 52 Rating, Deduct	*-2,058.08*	
		For Class 54 Rating, Add	*2,830.15*	
		For Class 55 Rating, Add	*4,219.65*	
		For Class 56 Rating, Add	*5,590.44*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,334.64	1,306.74
		For Class 52 Rating, Deduct	*-2,129.02*	
		For Class 54 Rating, Add	*2,926.97*	
		For Class 55 Rating, Add	*4,363.62*	
		For Class 56 Rating, Add	*5,780.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,985.90	1,310.90
		For Class 52 Rating, Deduct	*-2,199.97*	
		For Class 54 Rating, Add	*3,023.79*	
		For Class 55 Rating, Add	*4,507.60*	
		For Class 56 Rating, Add	*5,971.41*	
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,637.16	1,315.06
		For Class 52 Rating, Deduct	*-2,270.91*	
		For Class 54 Rating, Add	*3,120.61*	
		For Class 55 Rating, Add	*4,651.58*	
		For Class 56 Rating, Add	*6,161.90*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,288.43	1,319.22
		For Class 52 Rating, Deduct	*-2,341.86*	
		For Class 54 Rating, Add	*3,217.43*	
		For Class 55 Rating, Add	*4,795.55*	
		For Class 56 Rating, Add	*6,352.39*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,939.68	1,323.38
		For Class 52 Rating, Deduct	*-2,412.80*	
		For Class 54 Rating, Add	*3,314.24*	
		For Class 55 Rating, Add	*4,939.53*	
		For Class 56 Rating, Add	*6,542.88*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,590.95	1,327.55
		For Class 52 Rating, Deduct	*-2,483.75*	
		For Class 54 Rating, Add	*3,411.06*	
		For Class 55 Rating, Add	*5,083.51*	
		For Class 56 Rating, Add	*6,733.37*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,242.20	1,331.71
		For Class 52 Rating, Deduct	*-2,554.69*	
		For Class 54 Rating, Add	*3,507.88*	
		For Class 55 Rating, Add	*5,227.48*	
		For Class 56 Rating, Add	*6,923.85*	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,000.66	1,406.61
		For Class 52 Rating, Deduct	*-2,625.64*	
		For Class 54 Rating, Add	*3,605.99*	
		For Class 55 Rating, Add	*5,374.03*	
		For Class 56 Rating, Add	*7,118.20*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,651.91	1,410.78
		For Class 52 Rating, Deduct	*-2,696.58*	
		For Class 54 Rating, Add	*3,702.81*	
		For Class 55 Rating, Add	*5,518.01*	
		For Class 56 Rating, Add	*7,308.69*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,303.17	1,414.94
		For Class 52 Rating, Deduct	*-2,767.53*	
		For Class 54 Rating, Add	*3,799.62*	
		For Class 55 Rating, Add	*5,661.98*	
		For Class 56 Rating, Add	*7,499.18*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,954.44	1,419.10
		For Class 52 Rating, Deduct	*-2,838.47*	
		For Class 54 Rating, Add	*3,896.44*	
		For Class 55 Rating, Add	*5,805.96*	
		For Class 56 Rating, Add	*7,689.67*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,605.69	1,423.26
		For Class 52 Rating, Deduct	*-2,909.42*	
		For Class 54 Rating, Add	*3,993.26*	
		For Class 55 Rating, Add	*5,949.93*	
		For Class 56 Rating, Add	*7,880.16*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,253.92	1,427.43
		For Class 52 Rating, Deduct	*-2,980.03*	
		For Class 54 Rating, Add	*4,089.63*	
		For Class 55 Rating, Add	*6,093.23*	
		For Class 56 Rating, Add	*8,069.75*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,908.21	1,431.59
		For Class 52 Rating, Deduct	*-3,051.31*	
		For Class 54 Rating, Add	*4,186.90*	
		For Class 55 Rating, Add	*6,237.89*	
		For Class 56 Rating, Add	*8,261.13*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,559.48	1,435.75
		For Class 52 Rating, Deduct	*-3,122.25*	
		For Class 54 Rating, Add	*4,283.72*	
		For Class 55 Rating, Add	*6,381.86*	
		For Class 56 Rating, Add	*8,451.62*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,210.73	1,439.91
		For Class 52 Rating, Deduct	*-3,193.20*	
		For Class 54 Rating, Add	*4,380.54*	
		For Class 55 Rating, Add	*6,525.84*	
		For Class 56 Rating, Add	*8,642.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,732.79	1,714.57
		For Class 52 Rating, Deduct	*-894.84*	
		For Class 54 Rating, Add	*1,251.42*	
		For Class 55 Rating, Add	*1,876.44*	
		For Class 56 Rating, Add	*2,493.33*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,663.94	1,718.74
		For Class 52 Rating, Deduct	*-996.58*	
		For Class 54 Rating, Add	*1,390.22*	
		For Class 55 Rating, Add	*2,082.83*	
		For Class 56 Rating, Add	*2,766.39*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,595.09	1,722.90
		For Class 52 Rating, Deduct	*-1,098.31*	
		For Class 54 Rating, Add	*1,529.02*	
		For Class 55 Rating, Add	*2,289.22*	
		For Class 56 Rating, Add	*3,039.44*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,526.23	1,727.06
		For Class 52 Rating, Deduct	*-1,200.04*	
		For Class 54 Rating, Add	*1,667.82*	
		For Class 55 Rating, Add	*2,495.61*	
		For Class 56 Rating, Add	*3,312.50*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,457.37	1,731.22
		For Class 52 Rating, Deduct	*-1,301.77*	
		For Class 54 Rating, Add	*1,806.62*	
		For Class 55 Rating, Add	*2,702.00*	
		For Class 56 Rating, Add	*3,585.55*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,388.52	1,735.38
		For Class 52 Rating, Deduct	*-1,403.51*	
		For Class 54 Rating, Add	*1,945.42*	
		For Class 55 Rating, Add	*2,908.40*	
		For Class 56 Rating, Add	*3,858.61*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,319.68	1,739.55
		For Class 52 Rating, Deduct	*-1,505.24*	
		For Class 54 Rating, Add	*2,084.23*	
		For Class 55 Rating, Add	*3,114.79*	
		For Class 56 Rating, Add	*4,131.66*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,250.82	1,743.71
		For Class 52 Rating, Deduct	*-1,606.97*	
		For Class 54 Rating, Add	*2,223.03*	
		For Class 55 Rating, Add	*3,321.18*	
		For Class 56 Rating, Add	*4,404.72*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,181.97	1,747.87
		For Class 52 Rating, Deduct	*-1,708.70*	
		For Class 54 Rating, Add	*2,361.83*	
		For Class 55 Rating, Add	*3,527.57*	
		For Class 56 Rating, Add	*4,677.77*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,113.11	1,752.03
		For Class 52 Rating, Deduct	*-1,810.44*	
		For Class 54 Rating, Add	*2,500.63*	
		For Class 55 Rating, Add	*3,733.96*	
		For Class 56 Rating, Add	*4,950.83*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,044.26	1,756.20
		For Class 52 Rating, Deduct	*-1,912.17*	
		For Class 54 Rating, Add	*2,639.43*	
		For Class 55 Rating, Add	*3,940.35*	
		For Class 56 Rating, Add	*5,223.88*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,975.40	1,760.36
		For Class 52 Rating, Deduct	*-2,013.90*	
		For Class 54 Rating, Add	*2,778.24*	
		For Class 55 Rating, Add	*4,146.74*	
		For Class 56 Rating, Add	*5,496.94*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,906.55	1,764.52
		For Class 52 Rating, Deduct	*-2,115.63*	
		For Class 54 Rating, Add	*2,917.04*	
		For Class 55 Rating, Add	*4,353.13*	
		For Class 56 Rating, Add	*5,769.99*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,837.70	1,768.68
		For Class 52 Rating, Deduct	*-2,217.37*	
		For Class 54 Rating, Add	*3,055.84*	
		For Class 55 Rating, Add	*4,559.52*	
		For Class 56 Rating, Add	*6,043.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,768.84	1,772.84
		For Class 52 Rating, Deduct	*-2,319.10*	
		For Class 54 Rating, Add	*3,194.64*	
		For Class 55 Rating, Add	*4,765.91*	
		For Class 56 Rating, Add	*6,316.10*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,699.98	1,777.01
		For Class 52 Rating, Deduct	*-2,420.83*	
		For Class 54 Rating, Add	*3,333.44*	
		For Class 55 Rating, Add	*4,972.30*	
		For Class 56 Rating, Add	*6,589.16*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,631.14	1,781.17
		For Class 52 Rating, Deduct	*-2,522.57*	
		For Class 54 Rating, Add	*3,472.25*	
		For Class 55 Rating, Add	*5,178.70*	
		For Class 56 Rating, Add	*6,862.22*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,562.29	1,785.32
		For Class 52 Rating, Deduct	*-2,624.30*	
		For Class 54 Rating, Add	*3,611.05*	
		For Class 55 Rating, Add	*5,385.09*	
		For Class 56 Rating, Add	*7,135.27*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,493.43	1,789.48
		For Class 52 Rating, Deduct	*-2,726.03*	
		For Class 54 Rating, Add	*3,749.85*	
		For Class 55 Rating, Add	*5,591.48*	
		For Class 56 Rating, Add	*7,408.32*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,424.57	1,793.64
		For Class 52 Rating, Deduct	*-2,827.76*	
		For Class 54 Rating, Add	*3,888.65*	
		For Class 55 Rating, Add	*5,797.87*	
		For Class 56 Rating, Add	*7,681.38*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,355.72	1,797.81
		For Class 52 Rating, Deduct	*-2,929.49*	
		For Class 54 Rating, Add	*4,027.45*	
		For Class 55 Rating, Add	*6,004.26*	
		For Class 56 Rating, Add	*7,954.43*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,286.87	1,801.97
		For Class 52 Rating, Deduct	*-3,031.23*	
		For Class 54 Rating, Add	*4,166.25*	
		For Class 55 Rating, Add	*6,210.65*	
		For Class 56 Rating, Add	*8,227.49*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,218.02	1,806.13
		For Class 52 Rating, Deduct	*-3,132.96*	
		For Class 54 Rating, Add	*4,305.06*	
		For Class 55 Rating, Add	*6,417.04*	
		For Class 56 Rating, Add	*8,500.54*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,149.15	1,810.29
		For Class 52 Rating, Deduct	*-3,234.69*	
		For Class 54 Rating, Add	*4,443.86*	
		For Class 55 Rating, Add	*6,623.43*	
		For Class 56 Rating, Add	*8,773.60*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,080.30	1,814.45
		For Class 52 Rating, Deduct	*-3,336.42*	
		For Class 54 Rating, Add	*4,582.66*	
		For Class 55 Rating, Add	*6,829.82*	
		For Class 56 Rating, Add	*9,046.65*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,011.45	1,818.62
		For Class 52 Rating, Deduct	*-3,438.16*	
		For Class 54 Rating, Add	*4,721.46*	
		For Class 55 Rating, Add	*7,036.21*	
		For Class 56 Rating, Add	*9,319.71*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,942.60	1,822.78
		For Class 52 Rating, Deduct	*-3,539.89*	
		For Class 54 Rating, Add	*4,860.26*	
		For Class 55 Rating, Add	*7,242.60*	
		For Class 56 Rating, Add	*9,592.76*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,873.75	1,826.94
		For Class 52 Rating, Deduct	*-3,641.62*	
		For Class 54 Rating, Add	*4,999.07*	
		For Class 55 Rating, Add	*7,449.00*	
		For Class 56 Rating, Add	*9,865.82*	
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,804.89	1,831.10
		For Class 52 Rating, Deduct	*-3,743.36*	
		For Class 54 Rating, Add	*5,137.87*	
		For Class 55 Rating, Add	*7,655.39*	
		For Class 56 Rating, Add	*10,138.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,736.04	1,835.26
		For Class 52 Rating, Deduct	*-3,845.09*	
		For Class 54 Rating, Add	*5,276.67*	
		For Class 55 Rating, Add	*7,861.78*	
		For Class 56 Rating, Add	*10,411.93*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,667.19	1,839.43
		For Class 52 Rating, Deduct	*-3,946.82*	
		For Class 54 Rating, Add	*5,415.47*	
		For Class 55 Rating, Add	*8,068.17*	
		For Class 56 Rating, Add	*10,684.99*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,598.33	1,843.59
		For Class 52 Rating, Deduct	*-4,048.55*	
		For Class 54 Rating, Add	*5,554.27*	
		For Class 55 Rating, Add	*8,274.56*	
		For Class 56 Rating, Add	*10,958.04*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,529.48	1,847.75
		For Class 52 Rating, Deduct	*-4,150.28*	
		For Class 54 Rating, Add	*5,693.07*	
		For Class 55 Rating, Add	*8,480.95*	
		For Class 56 Rating, Add	*11,231.10*	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,460.62	1,851.91
		For Class 52 Rating, Deduct	*-4,252.02*	
		For Class 54 Rating, Add	*5,831.88*	
		For Class 55 Rating, Add	*8,687.34*	
		For Class 56 Rating, Add	*11,504.15*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,391.77	1,856.07
		For Class 52 Rating, Deduct	*-4,353.75*	
		For Class 54 Rating, Add	*5,970.68*	
		For Class 55 Rating, Add	*8,893.73*	
		For Class 56 Rating, Add	*11,777.20*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,794.15	2,172.35
		For Class 52 Rating, Deduct	*-1,265.30*	
		For Class 54 Rating, Add	*1,764.90*	
		For Class 55 Rating, Add	*2,644.10*	
		For Class 56 Rating, Add	*3,511.79*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,041.69	2,176.51
		For Class 52 Rating, Deduct	*-1,401.83*	
		For Class 54 Rating, Add	*1,951.16*	
		For Class 55 Rating, Add	*2,921.04*	
		For Class 56 Rating, Add	*3,878.18*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,289.23	2,180.67
		For Class 52 Rating, Deduct	*-1,538.37*	
		For Class 54 Rating, Add	*2,137.43*	
		For Class 55 Rating, Add	*3,197.99*	
		For Class 56 Rating, Add	*4,244.57*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,536.77	2,184.83
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,323.69*	
		For Class 55 Rating, Add	*3,474.94*	
		For Class 56 Rating, Add	*4,610.96*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,784.32	2,189.00
		For Class 52 Rating, Deduct	*-1,811.44*	
		For Class 54 Rating, Add	*2,509.95*	
		For Class 55 Rating, Add	*3,751.89*	
		For Class 56 Rating, Add	*4,977.36*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,031.85	2,193.16
		For Class 52 Rating, Deduct	*-1,947.98*	
		For Class 54 Rating, Add	*2,696.21*	
		For Class 55 Rating, Add	*4,028.83*	
		For Class 56 Rating, Add	*5,343.75*	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,279.38	2,197.32
		For Class 52 Rating, Deduct	*-2,084.51*	
		For Class 54 Rating, Add	*2,882.47*	
		For Class 55 Rating, Add	*4,305.78*	
		For Class 56 Rating, Add	*5,710.14*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,526.93	2,201.48
		For Class 52 Rating, Deduct	*-2,221.05*	
		For Class 54 Rating, Add	*3,068.73*	
		For Class 55 Rating, Add	*4,582.72*	
		For Class 56 Rating, Add	*6,076.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,774.47	2,205.64
		For Class 52 Rating, Deduct	*-2,357.58*	
		For Class 54 Rating, Add	*3,254.99*	
		For Class 55 Rating, Add	*4,859.67*	
		For Class 56 Rating, Add	*6,442.92*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,022.00	2,209.81
		For Class 52 Rating, Deduct	*-2,494.12*	
		For Class 54 Rating, Add	*3,441.25*	
		For Class 55 Rating, Add	*5,136.62*	
		For Class 56 Rating, Add	*6,809.31*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,269.54	2,213.97
		For Class 52 Rating, Deduct	*-2,630.66*	
		For Class 54 Rating, Add	*3,627.51*	
		For Class 55 Rating, Add	*5,413.56*	
		For Class 56 Rating, Add	*7,175.70*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,517.08	2,218.13
		For Class 52 Rating, Deduct	*-2,767.19*	
		For Class 54 Rating, Add	*3,813.77*	
		For Class 55 Rating, Add	*5,690.51*	
		For Class 56 Rating, Add	*7,542.09*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,764.63	2,222.29
		For Class 52 Rating, Deduct	*-2,903.73*	
		For Class 54 Rating, Add	*4,000.03*	
		For Class 55 Rating, Add	*5,967.46*	
		For Class 56 Rating, Add	*7,908.48*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,012.17	2,226.45
		For Class 52 Rating, Deduct	*-3,040.26*	
		For Class 54 Rating, Add	*4,186.29*	
		For Class 55 Rating, Add	*6,244.40*	
		For Class 56 Rating, Add	*8,274.87*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,259.70	2,230.62
		For Class 52 Rating, Deduct	*-3,176.80*	
		For Class 54 Rating, Add	*4,372.55*	
		For Class 55 Rating, Add	*6,521.35*	
		For Class 56 Rating, Add	*8,641.26*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,507.24	2,234.78
		For Class 52 Rating, Deduct	*-3,313.33*	
		For Class 54 Rating, Add	*4,558.82*	
		For Class 55 Rating, Add	*6,798.30*	
		For Class 56 Rating, Add	*9,007.66*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,754.78	2,238.94
		For Class 52 Rating, Deduct	*-3,449.87*	
		For Class 54 Rating, Add	*4,745.08*	
		For Class 55 Rating, Add	*7,075.24*	
		For Class 56 Rating, Add	*9,374.05*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,002.33	2,243.10
		For Class 52 Rating, Deduct	*-3,586.41*	
		For Class 54 Rating, Add	*4,931.34*	
		For Class 55 Rating, Add	*7,352.19*	
		For Class 56 Rating, Add	*9,740.44*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,249.87	2,247.26
		For Class 52 Rating, Deduct	*-3,722.94*	
		For Class 54 Rating, Add	*5,117.60*	
		For Class 55 Rating, Add	*7,629.14*	
		For Class 56 Rating, Add	*10,106.83*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,497.39	2,251.43
		For Class 52 Rating, Deduct	*-3,859.48*	
		For Class 54 Rating, Add	*5,303.86*	
		For Class 55 Rating, Add	*7,906.08*	
		For Class 56 Rating, Add	*10,473.22*	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,744.94	2,255.59
		For Class 52 Rating, Deduct	*-3,996.01*	
		For Class 54 Rating, Add	*5,490.12*	
		For Class 55 Rating, Add	*8,183.03*	
		For Class 56 Rating, Add	*10,839.61*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,992.48	2,259.75
		For Class 52 Rating, Deduct	*-4,132.55*	
		For Class 54 Rating, Add	*5,676.38*	
		For Class 55 Rating, Add	*8,459.97*	
		For Class 56 Rating, Add	*11,206.00*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,240.03	2,263.91
		For Class 52 Rating, Deduct	*-4,269.08*	
		For Class 54 Rating, Add	*5,862.64*	
		For Class 55 Rating, Add	*8,736.92*	
		For Class 56 Rating, Add	*11,572.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,487.56	2,268.06
		For Class 52 Rating, Deduct	*-4,405.62*	
		For Class 54 Rating, Add	*6,048.90*	
		For Class 55 Rating, Add	*9,013.87*	
		For Class 56 Rating, Add	*11,938.78*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,735.09	2,272.23
		For Class 52 Rating, Deduct	*-4,542.16*	
		For Class 54 Rating, Add	*6,235.16*	
		For Class 55 Rating, Add	*9,290.81*	
		For Class 56 Rating, Add	*12,305.17*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,982.64	2,276.39
		For Class 52 Rating, Deduct	*-4,678.69*	
		For Class 54 Rating, Add	*6,421.42*	
		For Class 55 Rating, Add	*9,567.76*	
		For Class 56 Rating, Add	*12,671.57*	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,230.18	2,280.55
		For Class 52 Rating, Deduct	*-4,815.23*	
		For Class 54 Rating, Add	*6,607.68*	
		For Class 55 Rating, Add	*9,844.71*	
		For Class 56 Rating, Add	*13,037.96*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,477.72	2,284.71
		For Class 52 Rating, Deduct	*-4,951.76*	
		For Class 54 Rating, Add	*6,793.94*	
		For Class 55 Rating, Add	*10,121.66*	
		For Class 56 Rating, Add	*13,404.35*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,725.26	2,288.87
		For Class 52 Rating, Deduct	*-5,088.30*	
		For Class 54 Rating, Add	*6,980.21*	
		For Class 55 Rating, Add	*10,398.60*	
		For Class 56 Rating, Add	*13,770.74*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,972.79	2,293.04
		For Class 52 Rating, Deduct	*-5,224.83*	
		For Class 54 Rating, Add	*7,166.47*	
		For Class 55 Rating, Add	*10,675.55*	
		For Class 56 Rating, Add	*14,137.13*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,220.34	2,297.20
		For Class 52 Rating, Deduct	*-5,361.37*	
		For Class 54 Rating, Add	*7,352.73*	
		For Class 55 Rating, Add	*10,952.49*	
		For Class 56 Rating, Add	*14,503.52*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,467.87	2,301.36
		For Class 52 Rating, Deduct	*-5,497.91*	
		For Class 54 Rating, Add	*7,538.99*	
		For Class 55 Rating, Add	*11,229.44*	
		For Class 56 Rating, Add	*14,869.91*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,715.41	2,305.52
		For Class 52 Rating, Deduct	*-5,634.44*	
		For Class 54 Rating, Add	*7,725.25*	
		For Class 55 Rating, Add	*11,506.39*	
		For Class 56 Rating, Add	*15,236.30*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,962.95	2,309.68
		For Class 52 Rating, Deduct	*-5,770.98*	
		For Class 54 Rating, Add	*7,911.51*	
		For Class 55 Rating, Add	*11,783.33*	
		For Class 56 Rating, Add	*15,602.69*	
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,210.49	2,313.85
		For Class 52 Rating, Deduct	*-5,907.51*	
		For Class 54 Rating, Add	*8,097.77*	
		For Class 55 Rating, Add	*12,060.28*	
		For Class 56 Rating, Add	*15,969.08*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	822.51	203.53
		For Class 52 Rating, Deduct	*-56.56*	
		For Class 54 Rating, Add	*80.82*	
		For Class 55 Rating, Add	*122.05*	
		For Class 56 Rating, Add	*162.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	943.50	207.08
		For Class 52 Rating, Deduct	*-69.27*	
		For Class 54 Rating, Add	*98.23*	
		For Class 55 Rating, Add	*147.96*	
		For Class 56 Rating, Add	*197.07*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,064.50	210.65
		For Class 52 Rating, Deduct	*-81.99*	
		For Class 54 Rating, Add	*115.63*	
		For Class 55 Rating, Add	*173.87*	
		For Class 56 Rating, Add	*231.37*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,185.49	214.19
		For Class 52 Rating, Deduct	*-94.70*	
		For Class 54 Rating, Add	*133.04*	
		For Class 55 Rating, Add	*199.78*	
		For Class 56 Rating, Add	*265.66*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,306.49	217.76
		For Class 52 Rating, Deduct	*-107.42*	
		For Class 54 Rating, Add	*150.44*	
		For Class 55 Rating, Add	*225.69*	
		For Class 56 Rating, Add	*299.96*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,427.49	221.33
		For Class 52 Rating, Deduct	*-120.14*	
		For Class 54 Rating, Add	*167.85*	
		For Class 55 Rating, Add	*251.60*	
		For Class 56 Rating, Add	*334.26*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,548.48	224.88
		For Class 52 Rating, Deduct	*-132.85*	
		For Class 54 Rating, Add	*185.25*	
		For Class 55 Rating, Add	*277.51*	
		For Class 56 Rating, Add	*368.56*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,669.47	228.43
		For Class 52 Rating, Deduct	*-145.57*	
		For Class 54 Rating, Add	*202.66*	
		For Class 55 Rating, Add	*303.42*	
		For Class 56 Rating, Add	*402.85*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,790.48	231.99
		For Class 52 Rating, Deduct	*-158.29*	
		For Class 54 Rating, Add	*220.07*	
		For Class 55 Rating, Add	*329.33*	
		For Class 56 Rating, Add	*437.15*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,911.47	235.56
		For Class 52 Rating, Deduct	*-171.00*	
		For Class 54 Rating, Add	*237.47*	
		For Class 55 Rating, Add	*355.24*	
		For Class 56 Rating, Add	*471.45*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,032.47	239.10
		For Class 52 Rating, Deduct	*-183.72*	
		For Class 54 Rating, Add	*254.88*	
		For Class 55 Rating, Add	*381.15*	
		For Class 56 Rating, Add	*505.75*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,153.46	242.67
		For Class 52 Rating, Deduct	*-196.44*	
		For Class 54 Rating, Add	*272.28*	
		For Class 55 Rating, Add	*407.06*	
		For Class 56 Rating, Add	*540.04*	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,274.46	246.22
		For Class 52 Rating, Deduct	*-209.15*	
		For Class 54 Rating, Add	*289.69*	
		For Class 55 Rating, Add	*432.97*	
		For Class 56 Rating, Add	*574.34*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,395.46	249.79
		For Class 52 Rating, Deduct	*-221.87*	
		For Class 54 Rating, Add	*307.09*	
		For Class 55 Rating, Add	*458.88*	
		For Class 56 Rating, Add	*608.64*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,516.45	253.33
		For Class 52 Rating, Deduct	*-234.59*	
		For Class 54 Rating, Add	*324.50*	
		For Class 55 Rating, Add	*484.78*	
		For Class 56 Rating, Add	*642.94*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,637.46	256.90
		For Class 52 Rating, Deduct	*-247.30*	
		For Class 54 Rating, Add	*341.90*	
		For Class 55 Rating, Add	*510.69*	
		For Class 56 Rating, Add	*677.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,758.45	260.46
		For Class 52 Rating, Deduct	*-260.02*	
		For Class 54 Rating, Add	*359.31*	
		For Class 55 Rating, Add	*536.60*	
		For Class 56 Rating, Add	*711.53*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,879.44	264.01
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*376.71*	
		For Class 55 Rating, Add	*562.51*	
		For Class 56 Rating, Add	*745.83*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,000.44	267.57
		For Class 52 Rating, Deduct	*-285.45*	
		For Class 54 Rating, Add	*394.12*	
		For Class 55 Rating, Add	*588.42*	
		For Class 56 Rating, Add	*780.13*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,121.44	271.13
		For Class 52 Rating, Deduct	*-298.17*	
		For Class 54 Rating, Add	*411.53*	
		For Class 55 Rating, Add	*614.33*	
		For Class 56 Rating, Add	*814.43*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,242.44	274.70
		For Class 52 Rating, Deduct	*-310.89*	
		For Class 54 Rating, Add	*428.93*	
		For Class 55 Rating, Add	*640.24*	
		For Class 56 Rating, Add	*848.72*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,363.43	278.24
		For Class 52 Rating, Deduct	*-323.60*	
		For Class 54 Rating, Add	*446.34*	
		For Class 55 Rating, Add	*666.15*	
		For Class 56 Rating, Add	*883.02*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,484.42	281.81
		For Class 52 Rating, Deduct	*-336.32*	
		For Class 54 Rating, Add	*463.74*	
		For Class 55 Rating, Add	*692.06*	
		For Class 56 Rating, Add	*917.32*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,605.43	285.37
		For Class 52 Rating, Deduct	*-349.04*	
		For Class 54 Rating, Add	*481.15*	
		For Class 55 Rating, Add	*717.97*	
		For Class 56 Rating, Add	*951.62*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,024.55	288.92
		For Class 52 Rating, Deduct	*-394.55*	
		For Class 54 Rating, Add	*543.27*	
		For Class 55 Rating, Add	*810.36*	
		For Class 56 Rating, Add	*1,073.87*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,145.56	292.48
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*560.68*	
		For Class 55 Rating, Add	*836.27*	
		For Class 56 Rating, Add	*1,108.16*	
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,266.55	296.04
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*578.08*	
		For Class 55 Rating, Add	*862.18*	
		For Class 56 Rating, Add	*1,142.46*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,387.55	299.60
		For Class 52 Rating, Deduct	*-432.70*	
		For Class 54 Rating, Add	*595.49*	
		For Class 55 Rating, Add	*888.09*	
		For Class 56 Rating, Add	*1,176.76*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,508.54	303.15
		For Class 52 Rating, Deduct	*-445.41*	
		For Class 54 Rating, Add	*612.89*	
		For Class 55 Rating, Add	*914.00*	
		For Class 56 Rating, Add	*1,211.06*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,629.54	306.71
		For Class 52 Rating, Deduct	*-458.13*	
		For Class 54 Rating, Add	*630.30*	
		For Class 55 Rating, Add	*939.91*	
		For Class 56 Rating, Add	*1,245.35*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,750.54	310.28
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*647.71*	
		For Class 55 Rating, Add	*965.82*	
		For Class 56 Rating, Add	*1,279.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,871.53	313.83
		For Class 52 Rating, Deduct	*-483.56*	
		For Class 54 Rating, Add	*665.11*	
		For Class 55 Rating, Add	*991.73*	
		For Class 56 Rating, Add	*1,313.95*	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,992.52	317.39
		For Class 52 Rating, Deduct	*-496.28*	
		For Class 54 Rating, Add	*682.52*	
		For Class 55 Rating, Add	*1,017.64*	
		For Class 56 Rating, Add	*1,348.25*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,113.53	320.95
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*699.92*	
		For Class 55 Rating, Add	*1,043.55*	
		For Class 56 Rating, Add	*1,382.54*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,234.52	324.51
		For Class 52 Rating, Deduct	*-521.71*	
		For Class 54 Rating, Add	*717.33*	
		For Class 55 Rating, Add	*1,069.46*	
		For Class 56 Rating, Add	*1,416.84*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,355.52	328.06
		For Class 52 Rating, Deduct	*-534.43*	
		For Class 54 Rating, Add	*734.73*	
		For Class 55 Rating, Add	*1,095.37*	
		For Class 56 Rating, Add	*1,451.14*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,476.51	331.62
		For Class 52 Rating, Deduct	*-547.15*	
		For Class 54 Rating, Add	*752.14*	
		For Class 55 Rating, Add	*1,121.27*	
		For Class 56 Rating, Add	*1,485.44*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,597.51	335.19
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*769.54*	
		For Class 55 Rating, Add	*1,147.18*	
		For Class 56 Rating, Add	*1,519.73*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,718.50	338.74
		For Class 52 Rating, Deduct	*-572.58*	
		For Class 54 Rating, Add	*786.95*	
		For Class 55 Rating, Add	*1,173.09*	
		For Class 56 Rating, Add	*1,554.03*	
40 05 19 00-3123		6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,011.83	256.19
		For Class 52 Rating, Deduct	*-68.60*	
		For Class 54 Rating, Add	*98.21*	
		For Class 55 Rating, Add	*148.39*	
		For Class 56 Rating, Add	*197.95*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,151.07	259.75
		For Class 52 Rating, Deduct	*-83.33*	
		For Class 54 Rating, Add	*118.35*	
		For Class 55 Rating, Add	*178.37*	
		For Class 56 Rating, Add	*237.64*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,290.33	263.30
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*138.49*	
		For Class 55 Rating, Add	*208.35*	
		For Class 56 Rating, Add	*277.32*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,429.57	266.86
		For Class 52 Rating, Deduct	*-112.78*	
		For Class 54 Rating, Add	*158.64*	
		For Class 55 Rating, Add	*238.33*	
		For Class 56 Rating, Add	*317.00*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,568.81	270.43
		For Class 52 Rating, Deduct	*-127.50*	
		For Class 54 Rating, Add	*178.78*	
		For Class 55 Rating, Add	*268.31*	
		For Class 56 Rating, Add	*356.68*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,708.07	273.97
		For Class 52 Rating, Deduct	*-142.22*	
		For Class 54 Rating, Add	*198.92*	
		For Class 55 Rating, Add	*298.29*	
		For Class 56 Rating, Add	*396.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,847.32	277.54
		For Class 52 Rating, Deduct	*-156.95*	
		For Class 54 Rating, Add	*219.07*	
		For Class 55 Rating, Add	*328.27*	
		For Class 56 Rating, Add	*436.05*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,986.57	281.10
		For Class 52 Rating, Deduct	*-171.67*	
		For Class 54 Rating, Add	*239.21*	
		For Class 55 Rating, Add	*358.25*	
		For Class 56 Rating, Add	*475.73*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,125.82	284.66
		For Class 52 Rating, Deduct	*-186.40*	
		For Class 54 Rating, Add	*259.35*	
		For Class 55 Rating, Add	*388.23*	
		For Class 56 Rating, Add	*515.41*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,265.07	288.20
		For Class 52 Rating, Deduct	*-201.12*	
		For Class 54 Rating, Add	*279.50*	
		For Class 55 Rating, Add	*418.21*	
		For Class 56 Rating, Add	*555.10*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,404.32	291.77
		For Class 52 Rating, Deduct	*-215.85*	
		For Class 54 Rating, Add	*299.64*	
		For Class 55 Rating, Add	*448.19*	
		For Class 56 Rating, Add	*594.78*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,543.57	295.33
		For Class 52 Rating, Deduct	*-230.57*	
		For Class 54 Rating, Add	*319.78*	
		For Class 55 Rating, Add	*478.17*	
		For Class 56 Rating, Add	*634.46*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,682.81	298.88
		For Class 52 Rating, Deduct	*-245.30*	
		For Class 54 Rating, Add	*339.93*	
		For Class 55 Rating, Add	*508.15*	
		For Class 56 Rating, Add	*674.14*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,822.07	302.44
		For Class 52 Rating, Deduct	*-260.02*	
		For Class 54 Rating, Add	*360.07*	
		For Class 55 Rating, Add	*538.13*	
		For Class 56 Rating, Add	*713.82*	
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,961.32	306.00
		For Class 52 Rating, Deduct	*-274.74*	
		For Class 54 Rating, Add	*380.22*	
		For Class 55 Rating, Add	*568.11*	
		For Class 56 Rating, Add	*753.51*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,100.57	309.56
		For Class 52 Rating, Deduct	*-289.47*	
		For Class 54 Rating, Add	*400.36*	
		For Class 55 Rating, Add	*598.09*	
		For Class 56 Rating, Add	*793.19*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,239.82	313.11
		For Class 52 Rating, Deduct	*-304.19*	
		For Class 54 Rating, Add	*420.50*	
		For Class 55 Rating, Add	*628.07*	
		For Class 56 Rating, Add	*832.87*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,379.06	316.67
		For Class 52 Rating, Deduct	*-318.92*	
		For Class 54 Rating, Add	*440.65*	
		For Class 55 Rating, Add	*658.05*	
		For Class 56 Rating, Add	*872.55*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,518.32	320.24
		For Class 52 Rating, Deduct	*-333.64*	
		For Class 54 Rating, Add	*460.79*	
		For Class 55 Rating, Add	*688.03*	
		For Class 56 Rating, Add	*912.24*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,657.56	323.80
		For Class 52 Rating, Deduct	*-348.37*	
		For Class 54 Rating, Add	*480.93*	
		For Class 55 Rating, Add	*718.01*	
		For Class 56 Rating, Add	*951.92*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,796.82	327.35
		For Class 52 Rating, Deduct	*-363.09*	
		For Class 54 Rating, Add	*501.08*	
		For Class 55 Rating, Add	*747.99*	
		For Class 56 Rating, Add	*991.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,936.07	330.91
		For Class 52 Rating, Deduct	*-377.82*	
		For Class 54 Rating, Add	*521.22*	
		For Class 55 Rating, Add	*777.97*	
		For Class 56 Rating, Add	*1,031.28*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,075.31	334.47
		For Class 52 Rating, Deduct	*-392.54*	
		For Class 54 Rating, Add	*541.36*	
		For Class 55 Rating, Add	*807.95*	
		For Class 56 Rating, Add	*1,070.97*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,214.57	338.02
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*561.51*	
		For Class 55 Rating, Add	*837.93*	
		For Class 56 Rating, Add	*1,110.65*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,353.81	341.58
		For Class 52 Rating, Deduct	*-421.99*	
		For Class 54 Rating, Add	*581.65*	
		For Class 55 Rating, Add	*867.91*	
		For Class 56 Rating, Add	*1,150.33*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,493.07	345.15
		For Class 52 Rating, Deduct	*-436.71*	
		For Class 54 Rating, Add	*601.79*	
		For Class 55 Rating, Add	*897.89*	
		For Class 56 Rating, Add	*1,190.01*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,632.31	348.70
		For Class 52 Rating, Deduct	*-451.44*	
		For Class 54 Rating, Add	*621.94*	
		For Class 55 Rating, Add	*927.87*	
		For Class 56 Rating, Add	*1,229.69*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,771.56	352.26
		For Class 52 Rating, Deduct	*-466.16*	
		For Class 54 Rating, Add	*642.08*	
		For Class 55 Rating, Add	*957.85*	
		For Class 56 Rating, Add	*1,269.38*	
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,910.82	355.81
		For Class 52 Rating, Deduct	*-480.89*	
		For Class 54 Rating, Add	*662.22*	
		For Class 55 Rating, Add	*987.83*	
		For Class 56 Rating, Add	*1,309.06*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,050.06	359.38
		For Class 52 Rating, Deduct	*-495.61*	
		For Class 54 Rating, Add	*682.37*	
		For Class 55 Rating, Add	*1,017.81*	
		For Class 56 Rating, Add	*1,348.74*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,189.32	362.92
		For Class 52 Rating, Deduct	*-510.34*	
		For Class 54 Rating, Add	*702.51*	
		For Class 55 Rating, Add	*1,047.79*	
		For Class 56 Rating, Add	*1,388.43*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,328.56	366.49
		For Class 52 Rating, Deduct	*-525.06*	
		For Class 54 Rating, Add	*722.65*	
		For Class 55 Rating, Add	*1,077.77*	
		For Class 56 Rating, Add	*1,428.11*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,467.81	370.05
		For Class 52 Rating, Deduct	*-539.78*	
		For Class 54 Rating, Add	*742.80*	
		For Class 55 Rating, Add	*1,107.75*	
		For Class 56 Rating, Add	*1,467.79*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,607.06	373.61
		For Class 52 Rating, Deduct	*-554.51*	
		For Class 54 Rating, Add	*762.94*	
		For Class 55 Rating, Add	*1,137.73*	
		For Class 56 Rating, Add	*1,507.47*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,746.31	377.16
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*783.09*	
		For Class 55 Rating, Add	*1,167.71*	
		For Class 56 Rating, Add	*1,547.15*	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,885.57	380.72
		For Class 52 Rating, Deduct	*-583.96*	
		For Class 54 Rating, Add	*803.23*	
		For Class 55 Rating, Add	*1,197.69*	
		For Class 56 Rating, Add	*1,586.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,024.81	384.29
		For Class 52 Rating, Deduct	*-598.68*	
		For Class 54 Rating, Add	*823.37*	
		For Class 55 Rating, Add	*1,227.67*	
		For Class 56 Rating, Add	*1,626.52*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,164.06	387.83
		For Class 52 Rating, Deduct	*-613.41*	
		For Class 54 Rating, Add	*843.52*	
		For Class 55 Rating, Add	*1,257.65*	
		For Class 56 Rating, Add	*1,666.20*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,303.31	391.40
		For Class 52 Rating, Deduct	*-628.13*	
		For Class 54 Rating, Add	*863.66*	
		For Class 55 Rating, Add	*1,287.63*	
		For Class 56 Rating, Add	*1,705.88*	
40 05 19 00-3163		**8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-3082)*		
40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,375.20	327.35
		For Class 52 Rating, Deduct	*-96.71*	
		For Class 54 Rating, Add	*137.83*	
		For Class 55 Rating, Add	*207.97*	
		For Class 56 Rating, Add	*277.22*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,554.00	330.91
		For Class 52 Rating, Deduct	*-115.79*	
		For Class 54 Rating, Add	*163.91*	
		For Class 55 Rating, Add	*246.77*	
		For Class 56 Rating, Add	*328.57*	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,732.78	334.47
		For Class 52 Rating, Deduct	*-134.86*	
		For Class 54 Rating, Add	*189.98*	
		For Class 55 Rating, Add	*285.56*	
		For Class 56 Rating, Add	*379.92*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,911.59	338.02
		For Class 52 Rating, Deduct	*-153.94*	
		For Class 54 Rating, Add	*216.06*	
		For Class 55 Rating, Add	*324.36*	
		For Class 56 Rating, Add	*431.27*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,090.39	341.58
		For Class 52 Rating, Deduct	*-173.01*	
		For Class 54 Rating, Add	*242.14*	
		For Class 55 Rating, Add	*363.16*	
		For Class 56 Rating, Add	*482.62*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,269.20	345.15
		For Class 52 Rating, Deduct	*-192.09*	
		For Class 54 Rating, Add	*268.21*	
		For Class 55 Rating, Add	*401.96*	
		For Class 56 Rating, Add	*533.97*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,447.98	348.70
		For Class 52 Rating, Deduct	*-211.16*	
		For Class 54 Rating, Add	*294.29*	
		For Class 55 Rating, Add	*440.76*	
		For Class 56 Rating, Add	*585.32*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,626.78	352.26
		For Class 52 Rating, Deduct	*-230.24*	
		For Class 54 Rating, Add	*320.36*	
		For Class 55 Rating, Add	*479.56*	
		For Class 56 Rating, Add	*636.67*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,805.59	355.81
		For Class 52 Rating, Deduct	*-249.31*	
		For Class 54 Rating, Add	*346.44*	
		For Class 55 Rating, Add	*518.36*	
		For Class 56 Rating, Add	*688.02*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,984.38	359.38
		For Class 52 Rating, Deduct	*-268.39*	
		For Class 54 Rating, Add	*372.52*	
		For Class 55 Rating, Add	*557.16*	
		For Class 56 Rating, Add	*739.37*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,163.18	362.92
		For Class 52 Rating, Deduct	*-287.46*	
		For Class 54 Rating, Add	*398.59*	
		For Class 55 Rating, Add	*595.96*	
		For Class 56 Rating, Add	*790.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,341.98	366.49
		For Class 52 Rating, Deduct	*-306.54*	
		For Class 54 Rating, Add	*424.67*	
		For Class 55 Rating, Add	*634.76*	
		For Class 56 Rating, Add	*842.06*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,520.78	370.05
		For Class 52 Rating, Deduct	*-325.61*	
		For Class 54 Rating, Add	*450.74*	
		For Class 55 Rating, Add	*673.56*	
		For Class 56 Rating, Add	*893.41*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,699.58	373.61
		For Class 52 Rating, Deduct	*-344.69*	
		For Class 54 Rating, Add	*476.82*	
		For Class 55 Rating, Add	*712.36*	
		For Class 56 Rating, Add	*944.76*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,878.37	377.16
		For Class 52 Rating, Deduct	*-363.76*	
		For Class 54 Rating, Add	*502.89*	
		For Class 55 Rating, Add	*751.16*	
		For Class 56 Rating, Add	*996.11*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,057.18	380.72
		For Class 52 Rating, Deduct	*-382.84*	
		For Class 54 Rating, Add	*528.97*	
		For Class 55 Rating, Add	*789.96*	
		For Class 56 Rating, Add	*1,047.46*	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,235.97	384.29
		For Class 52 Rating, Deduct	*-401.91*	
		For Class 54 Rating, Add	*555.05*	
		For Class 55 Rating, Add	*828.76*	
		For Class 56 Rating, Add	*1,098.81*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,414.77	387.83
		For Class 52 Rating, Deduct	*-420.99*	
		For Class 54 Rating, Add	*581.12*	
		For Class 55 Rating, Add	*867.56*	
		For Class 56 Rating, Add	*1,150.16*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.58	391.40
		For Class 52 Rating, Deduct	*-440.06*	
		For Class 54 Rating, Add	*607.20*	
		For Class 55 Rating, Add	*906.36*	
		For Class 56 Rating, Add	*1,201.51*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,772.37	394.96
		For Class 52 Rating, Deduct	*-459.13*	
		For Class 54 Rating, Add	*633.27*	
		For Class 55 Rating, Add	*945.15*	
		For Class 56 Rating, Add	*1,252.86*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,951.17	398.52
		For Class 52 Rating, Deduct	*-478.21*	
		For Class 54 Rating, Add	*659.35*	
		For Class 55 Rating, Add	*983.95*	
		For Class 56 Rating, Add	*1,304.21*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,129.97	402.06
		For Class 52 Rating, Deduct	*-497.28*	
		For Class 54 Rating, Add	*685.43*	
		For Class 55 Rating, Add	*1,022.75*	
		For Class 56 Rating, Add	*1,355.56*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,308.77	405.63
		For Class 52 Rating, Deduct	*-516.36*	
		For Class 54 Rating, Add	*711.50*	
		For Class 55 Rating, Add	*1,061.55*	
		For Class 56 Rating, Add	*1,406.91*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,487.56	409.19
		For Class 52 Rating, Deduct	*-535.43*	
		For Class 54 Rating, Add	*737.58*	
		For Class 55 Rating, Add	*1,100.35*	
		For Class 56 Rating, Add	*1,458.26*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,666.36	412.76
		For Class 52 Rating, Deduct	*-554.51*	
		For Class 54 Rating, Add	*763.65*	
		For Class 55 Rating, Add	*1,139.15*	
		For Class 56 Rating, Add	*1,509.61*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,845.17	416.30
		For Class 52 Rating, Deduct	*-573.58*	
		For Class 54 Rating, Add	*789.73*	
		For Class 55 Rating, Add	*1,177.95*	
		For Class 56 Rating, Add	*1,560.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,023.97	419.86
		For Class 52 Rating, Deduct	*-592.66*	
		For Class 54 Rating, Add	*815.81*	
		For Class 55 Rating, Add	*1,216.75*	
		For Class 56 Rating, Add	*1,612.31*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,202.75	423.42
		For Class 52 Rating, Deduct	*-611.73*	
		For Class 54 Rating, Add	*841.88*	
		For Class 55 Rating, Add	*1,255.55*	
		For Class 56 Rating, Add	*1,663.65*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,381.56	426.97
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*867.96*	
		For Class 55 Rating, Add	*1,294.35*	
		For Class 56 Rating, Add	*1,715.00*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,560.36	430.54
		For Class 52 Rating, Deduct	*-649.88*	
		For Class 54 Rating, Add	*894.03*	
		For Class 55 Rating, Add	*1,333.15*	
		For Class 56 Rating, Add	*1,766.35*	
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,739.16	434.10
		For Class 52 Rating, Deduct	*-668.96*	
		For Class 54 Rating, Add	*920.11*	
		For Class 55 Rating, Add	*1,371.95*	
		For Class 56 Rating, Add	*1,817.70*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,917.96	437.66
		For Class 52 Rating, Deduct	*-688.03*	
		For Class 54 Rating, Add	*946.18*	
		For Class 55 Rating, Add	*1,410.75*	
		For Class 56 Rating, Add	*1,869.05*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,096.75	441.21
		For Class 52 Rating, Deduct	*-707.11*	
		For Class 54 Rating, Add	*972.26*	
		For Class 55 Rating, Add	*1,449.54*	
		For Class 56 Rating, Add	*1,920.40*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,275.56	444.77
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*998.34*	
		For Class 55 Rating, Add	*1,488.34*	
		For Class 56 Rating, Add	*1,971.75*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,454.35	448.33
		For Class 52 Rating, Deduct	*-745.26*	
		For Class 54 Rating, Add	*1,024.41*	
		For Class 55 Rating, Add	*1,527.14*	
		For Class 56 Rating, Add	*2,023.10*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,633.16	451.88
		For Class 52 Rating, Deduct	*-764.33*	
		For Class 54 Rating, Add	*1,050.49*	
		For Class 55 Rating, Add	*1,565.94*	
		For Class 56 Rating, Add	*2,074.45*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,811.95	455.44
		For Class 52 Rating, Deduct	*-783.41*	
		For Class 54 Rating, Add	*1,076.56*	
		For Class 55 Rating, Add	*1,604.74*	
		For Class 56 Rating, Add	*2,125.80*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,990.75	459.01
		For Class 52 Rating, Deduct	*-802.48*	
		For Class 54 Rating, Add	*1,102.64*	
		For Class 55 Rating, Add	*1,643.54*	
		For Class 56 Rating, Add	*2,177.15*	
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,169.55	462.56
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*1,128.72*	
		For Class 55 Rating, Add	*1,682.34*	
		For Class 56 Rating, Add	*2,228.50*	
40 05 19 00-3203		10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,732.48	398.52
		For Class 52 Rating, Deduct	*-124.15*	
		For Class 54 Rating, Add	*176.55*	
		For Class 55 Rating, Add	*266.18*	
		For Class 56 Rating, Add	*354.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,963.00	402.06
		For Class 52 Rating, Deduct	*-148.92*	
		For Class 54 Rating, Add	*210.38*	
		For Class 55 Rating, Add	*316.52*	
		For Class 56 Rating, Add	*421.30*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,193.51	405.63
		For Class 52 Rating, Deduct	*-173.68*	
		For Class 54 Rating, Add	*244.21*	
		For Class 55 Rating, Add	*366.85*	
		For Class 56 Rating, Add	*487.91*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,424.03	409.19
		For Class 52 Rating, Deduct	*-198.45*	
		For Class 54 Rating, Add	*278.05*	
		For Class 55 Rating, Add	*417.18*	
		For Class 56 Rating, Add	*554.51*	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,654.54	412.76
		For Class 52 Rating, Deduct	*-223.21*	
		For Class 54 Rating, Add	*311.88*	
		For Class 55 Rating, Add	*467.51*	
		For Class 56 Rating, Add	*621.12*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,885.07	416.30
		For Class 52 Rating, Deduct	*-247.97*	
		For Class 54 Rating, Add	*345.71*	
		For Class 55 Rating, Add	*517.85*	
		For Class 56 Rating, Add	*687.73*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,115.59	419.86
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*379.55*	
		For Class 55 Rating, Add	*568.18*	
		For Class 56 Rating, Add	*754.33*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,346.09	423.42
		For Class 52 Rating, Deduct	*-297.50*	
		For Class 54 Rating, Add	*413.38*	
		For Class 55 Rating, Add	*618.51*	
		For Class 56 Rating, Add	*820.94*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,576.62	426.97
		For Class 52 Rating, Deduct	*-322.26*	
		For Class 54 Rating, Add	*447.22*	
		For Class 55 Rating, Add	*668.85*	
		For Class 56 Rating, Add	*887.55*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,807.13	430.54
		For Class 52 Rating, Deduct	*-347.03*	
		For Class 54 Rating, Add	*481.05*	
		For Class 55 Rating, Add	*719.18*	
		For Class 56 Rating, Add	*954.15*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,037.65	434.10
		For Class 52 Rating, Deduct	*-371.79*	
		For Class 54 Rating, Add	*514.88*	
		For Class 55 Rating, Add	*769.51*	
		For Class 56 Rating, Add	*1,020.76*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,268.16	437.66
		For Class 52 Rating, Deduct	*-396.56*	
		For Class 54 Rating, Add	*548.71*	
		For Class 55 Rating, Add	*819.84*	
		For Class 56 Rating, Add	*1,087.36*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,498.68	441.21
		For Class 52 Rating, Deduct	*-421.32*	
		For Class 54 Rating, Add	*582.55*	
		For Class 55 Rating, Add	*870.17*	
		For Class 56 Rating, Add	*1,153.97*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,729.21	444.77
		For Class 52 Rating, Deduct	*-446.08*	
		For Class 54 Rating, Add	*616.38*	
		For Class 55 Rating, Add	*920.51*	
		For Class 56 Rating, Add	*1,220.58*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,959.71	448.33
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*650.22*	
		For Class 55 Rating, Add	*970.84*	
		For Class 56 Rating, Add	*1,287.18*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,190.24	451.88
		For Class 52 Rating, Deduct	*-495.61*	
		For Class 54 Rating, Add	*684.05*	
		For Class 55 Rating, Add	*1,021.17*	
		For Class 56 Rating, Add	*1,353.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,420.75	455.44
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*717.88*	
		For Class 55 Rating, Add	*1,071.50*	
		For Class 56 Rating, Add	*1,420.39*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,651.27	459.01
		For Class 52 Rating, Deduct	*-545.14*	
		For Class 54 Rating, Add	*751.72*	
		For Class 55 Rating, Add	*1,121.84*	
		For Class 56 Rating, Add	*1,487.00*	
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,881.78	462.56
		For Class 52 Rating, Deduct	*-569.90*	
		For Class 54 Rating, Add	*785.55*	
		For Class 55 Rating, Add	*1,172.17*	
		For Class 56 Rating, Add	*1,553.60*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,112.30	466.12
		For Class 52 Rating, Deduct	*-594.67*	
		For Class 54 Rating, Add	*819.38*	
		For Class 55 Rating, Add	*1,222.50*	
		For Class 56 Rating, Add	*1,620.21*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,342.83	469.67
		For Class 52 Rating, Deduct	*-619.43*	
		For Class 54 Rating, Add	*853.22*	
		For Class 55 Rating, Add	*1,272.83*	
		For Class 56 Rating, Add	*1,686.82*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,573.33	473.24
		For Class 52 Rating, Deduct	*-644.19*	
		For Class 54 Rating, Add	*887.05*	
		For Class 55 Rating, Add	*1,323.17*	
		For Class 56 Rating, Add	*1,753.42*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,803.85	476.78
		For Class 52 Rating, Deduct	*-668.96*	
		For Class 54 Rating, Add	*920.88*	
		For Class 55 Rating, Add	*1,373.50*	
		For Class 56 Rating, Add	*1,820.03*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,034.37	480.35
		For Class 52 Rating, Deduct	*-693.72*	
		For Class 54 Rating, Add	*954.72*	
		For Class 55 Rating, Add	*1,423.83*	
		For Class 56 Rating, Add	*1,886.64*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,264.89	483.92
		For Class 52 Rating, Deduct	*-718.49*	
		For Class 54 Rating, Add	*988.55*	
		For Class 55 Rating, Add	*1,474.16*	
		For Class 56 Rating, Add	*1,953.24*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,495.41	487.47
		For Class 52 Rating, Deduct	*-743.25*	
		For Class 54 Rating, Add	*1,022.39*	
		For Class 55 Rating, Add	*1,524.50*	
		For Class 56 Rating, Add	*2,019.85*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,725.92	491.03
		For Class 52 Rating, Deduct	*-768.01*	
		For Class 54 Rating, Add	*1,056.22*	
		For Class 55 Rating, Add	*1,574.83*	
		For Class 56 Rating, Add	*2,086.46*	
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,956.44	494.58
		For Class 52 Rating, Deduct	*-792.78*	
		For Class 54 Rating, Add	*1,090.05*	
		For Class 55 Rating, Add	*1,625.16*	
		For Class 56 Rating, Add	*2,153.06*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,186.95	498.15
		For Class 52 Rating, Deduct	*-817.54*	
		For Class 54 Rating, Add	*1,123.89*	
		For Class 55 Rating, Add	*1,675.49*	
		For Class 56 Rating, Add	*2,219.67*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,417.47	501.71
		For Class 52 Rating, Deduct	*-842.31*	
		For Class 54 Rating, Add	*1,157.72*	
		For Class 55 Rating, Add	*1,725.83*	
		For Class 56 Rating, Add	*2,286.27*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,647.99	505.26
		For Class 52 Rating, Deduct	*-867.07*	
		For Class 54 Rating, Add	*1,191.55*	
		For Class 55 Rating, Add	*1,776.16*	
		For Class 56 Rating, Add	*2,352.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,878.51	508.82
		For Class 52 Rating, Deduct	*-891.83*	
		For Class 54 Rating, Add	*1,225.39*	
		For Class 55 Rating, Add	*1,826.49*	
		For Class 56 Rating, Add	*2,419.49*	
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,109.02	512.38
		For Class 52 Rating, Deduct	*-916.60*	
		For Class 54 Rating, Add	*1,259.22*	
		For Class 55 Rating, Add	*1,876.82*	
		For Class 56 Rating, Add	*2,486.09*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,339.54	515.92
		For Class 52 Rating, Deduct	*-941.36*	
		For Class 54 Rating, Add	*1,293.05*	
		For Class 55 Rating, Add	*1,927.16*	
		For Class 56 Rating, Add	*2,552.70*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,570.06	519.49
		For Class 52 Rating, Deduct	*-966.12*	
		For Class 54 Rating, Add	*1,326.89*	
		For Class 55 Rating, Add	*1,977.49*	
		For Class 56 Rating, Add	*2,619.31*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,800.57	523.05
		For Class 52 Rating, Deduct	*-990.89*	
		For Class 54 Rating, Add	*1,360.72*	
		For Class 55 Rating, Add	*2,027.82*	
		For Class 56 Rating, Add	*2,685.91*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,031.09	526.62
		For Class 52 Rating, Deduct	*-1,015.65*	
		For Class 54 Rating, Add	*1,394.55*	
		For Class 55 Rating, Add	*2,078.15*	
		For Class 56 Rating, Add	*2,752.52*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,261.60	530.16
		For Class 52 Rating, Deduct	*-1,040.42*	
		For Class 54 Rating, Add	*1,428.39*	
		For Class 55 Rating, Add	*2,128.48*	
		For Class 56 Rating, Add	*2,819.12*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,492.13	533.72
		For Class 52 Rating, Deduct	*-1,065.18*	
		For Class 54 Rating, Add	*1,462.22*	
		For Class 55 Rating, Add	*2,178.82*	
		For Class 56 Rating, Add	*2,885.73*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,245.46	498.15
		For Class 52 Rating, Deduct	*-163.98*	
		For Class 54 Rating, Add	*232.66*	
		For Class 55 Rating, Add	*350.54*	
		For Class 56 Rating, Add	*466.93*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,530.73	501.71
		For Class 52 Rating, Deduct	*-194.76*	
		For Class 54 Rating, Add	*274.71*	
		For Class 55 Rating, Add	*413.08*	
		For Class 56 Rating, Add	*549.69*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,816.02	505.26
		For Class 52 Rating, Deduct	*-225.55*	
		For Class 54 Rating, Add	*316.76*	
		For Class 55 Rating, Add	*475.63*	
		For Class 56 Rating, Add	*632.45*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,101.30	508.82
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*358.81*	
		For Class 55 Rating, Add	*538.17*	
		For Class 56 Rating, Add	*715.21*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,386.56	512.38
		For Class 52 Rating, Deduct	*-287.13*	
		For Class 54 Rating, Add	*400.85*	
		For Class 55 Rating, Add	*600.72*	
		For Class 56 Rating, Add	*797.97*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,671.85	515.92
		For Class 52 Rating, Deduct	*-317.91*	
		For Class 54 Rating, Add	*442.90*	
		For Class 55 Rating, Add	*663.26*	
		For Class 56 Rating, Add	*880.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,957.12	519.49
		For Class 52 Rating, Deduct	*-348.70*	
		For Class 54 Rating, Add	*484.95*	
		For Class 55 Rating, Add	*725.80*	
		For Class 56 Rating, Add	*963.49*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,242.40	523.05
		For Class 52 Rating, Deduct	*-379.49*	
		For Class 54 Rating, Add	*527.00*	
		For Class 55 Rating, Add	*788.35*	
		For Class 56 Rating, Add	*1,046.25*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,527.68	526.62
		For Class 52 Rating, Deduct	*-410.28*	
		For Class 54 Rating, Add	*569.04*	
		For Class 55 Rating, Add	*850.89*	
		For Class 56 Rating, Add	*1,129.01*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,812.95	530.16
		For Class 52 Rating, Deduct	*-441.06*	
		For Class 54 Rating, Add	*611.09*	
		For Class 55 Rating, Add	*913.44*	
		For Class 56 Rating, Add	*1,211.77*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,098.24	533.72
		For Class 52 Rating, Deduct	*-471.85*	
		For Class 54 Rating, Add	*653.14*	
		For Class 55 Rating, Add	*975.98*	
		For Class 56 Rating, Add	*1,294.53*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,383.50	537.29
		For Class 52 Rating, Deduct	*-502.64*	
		For Class 54 Rating, Add	*695.18*	
		For Class 55 Rating, Add	*1,038.52*	
		For Class 56 Rating, Add	*1,377.29*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,668.79	540.83
		For Class 52 Rating, Deduct	*-533.43*	
		For Class 54 Rating, Add	*737.23*	
		For Class 55 Rating, Add	*1,101.07*	
		For Class 56 Rating, Add	*1,460.05*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,954.07	544.40
		For Class 52 Rating, Deduct	*-564.21*	
		For Class 54 Rating, Add	*779.28*	
		For Class 55 Rating, Add	*1,163.61*	
		For Class 56 Rating, Add	*1,542.81*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,239.33	547.96
		For Class 52 Rating, Deduct	*-595.00*	
		For Class 54 Rating, Add	*821.33*	
		For Class 55 Rating, Add	*1,226.15*	
		For Class 56 Rating, Add	*1,625.57*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,524.62	551.52
		For Class 52 Rating, Deduct	*-625.79*	
		For Class 54 Rating, Add	*863.38*	
		For Class 55 Rating, Add	*1,288.70*	
		For Class 56 Rating, Add	*1,708.33*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,809.89	555.07
		For Class 52 Rating, Deduct	*-656.58*	
		For Class 54 Rating, Add	*905.42*	
		For Class 55 Rating, Add	*1,351.24*	
		For Class 56 Rating, Add	*1,791.09*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,095.18	558.63
		For Class 52 Rating, Deduct	*-687.36*	
		For Class 54 Rating, Add	*947.47*	
		For Class 55 Rating, Add	*1,413.79*	
		For Class 56 Rating, Add	*1,873.86*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,380.45	562.19
		For Class 52 Rating, Deduct	*-718.15*	
		For Class 54 Rating, Add	*989.52*	
		For Class 55 Rating, Add	*1,476.33*	
		For Class 56 Rating, Add	*1,956.62*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,665.72	565.74
		For Class 52 Rating, Deduct	*-748.94*	
		For Class 54 Rating, Add	*1,031.57*	
		For Class 55 Rating, Add	*1,538.87*	
		For Class 56 Rating, Add	*2,039.38*	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,951.01	569.30
		For Class 52 Rating, Deduct	*-779.73*	
		For Class 54 Rating, Add	*1,073.61*	
		For Class 55 Rating, Add	*1,601.42*	
		For Class 56 Rating, Add	*2,122.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,236.28	572.87
		For Class 52 Rating, Deduct	*-810.51*	
		For Class 54 Rating, Add	*1,115.66*	
		For Class 55 Rating, Add	*1,663.96*	
		For Class 56 Rating, Add	*2,204.90*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,521.56	576.42
		For Class 52 Rating, Deduct	*-841.30*	
		For Class 54 Rating, Add	*1,157.71*	
		For Class 55 Rating, Add	*1,726.51*	
		For Class 56 Rating, Add	*2,287.66*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,806.84	579.98
		For Class 52 Rating, Deduct	*-872.09*	
		For Class 54 Rating, Add	*1,199.76*	
		For Class 55 Rating, Add	*1,789.05*	
		For Class 56 Rating, Add	*2,370.42*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,092.11	583.53
		For Class 52 Rating, Deduct	*-902.88*	
		For Class 54 Rating, Add	*1,241.80*	
		For Class 55 Rating, Add	*1,851.59*	
		For Class 56 Rating, Add	*2,453.18*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,377.39	587.10
		For Class 52 Rating, Deduct	*-933.66*	
		For Class 54 Rating, Add	*1,283.85*	
		For Class 55 Rating, Add	*1,914.14*	
		For Class 56 Rating, Add	*2,535.94*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,662.67	590.67
		For Class 52 Rating, Deduct	*-964.45*	
		For Class 54 Rating, Add	*1,325.90*	
		For Class 55 Rating, Add	*1,976.68*	
		For Class 56 Rating, Add	*2,618.70*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,947.95	594.21
		For Class 52 Rating, Deduct	*-995.24*	
		For Class 54 Rating, Add	*1,367.95*	
		For Class 55 Rating, Add	*2,039.23*	
		For Class 56 Rating, Add	*2,701.46*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,233.22	597.78
		For Class 52 Rating, Deduct	*-1,026.03*	
		For Class 54 Rating, Add	*1,410.00*	
		For Class 55 Rating, Add	*2,101.77*	
		For Class 56 Rating, Add	*2,784.22*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,518.49	601.33
		For Class 52 Rating, Deduct	*-1,056.81*	
		For Class 54 Rating, Add	*1,452.04*	
		For Class 55 Rating, Add	*2,164.31*	
		For Class 56 Rating, Add	*2,866.98*	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,803.78	604.89
		For Class 52 Rating, Deduct	*-1,087.60*	
		For Class 54 Rating, Add	*1,494.09*	
		For Class 55 Rating, Add	*2,226.86*	
		For Class 56 Rating, Add	*2,949.74*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,089.06	608.44
		For Class 52 Rating, Deduct	*-1,118.39*	
		For Class 54 Rating, Add	*1,536.14*	
		For Class 55 Rating, Add	*2,289.40*	
		For Class 56 Rating, Add	*3,032.50*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,374.33	612.01
		For Class 52 Rating, Deduct	*-1,149.18*	
		For Class 54 Rating, Add	*1,578.18*	
		For Class 55 Rating, Add	*2,351.95*	
		For Class 56 Rating, Add	*3,115.26*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,659.61	615.57
		For Class 52 Rating, Deduct	*-1,179.96*	
		For Class 54 Rating, Add	*1,620.23*	
		For Class 55 Rating, Add	*2,414.49*	
		For Class 56 Rating, Add	*3,198.02*	
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,944.88	619.12
		For Class 52 Rating, Deduct	*-1,210.75*	
		For Class 54 Rating, Add	*1,662.28*	
		For Class 55 Rating, Add	*2,477.03*	
		For Class 56 Rating, Add	*3,280.78*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,230.16	622.68
		For Class 52 Rating, Deduct	*-1,241.54*	
		For Class 54 Rating, Add	*1,704.33*	
		For Class 55 Rating, Add	*2,539.58*	
		For Class 56 Rating, Add	*3,363.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,515.44	626.24
		For Class 52 Rating, Deduct	*-1,272.33*	
		For Class 54 Rating, Add	*1,746.38*	
		For Class 55 Rating, Add	*2,602.12*	
		For Class 56 Rating, Add	*3,446.31*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,800.72	629.78
		For Class 52 Rating, Deduct	*-1,303.11*	
		For Class 54 Rating, Add	*1,788.42*	
		For Class 55 Rating, Add	*2,664.67*	
		For Class 56 Rating, Add	*3,529.06*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,086.00	633.35
		For Class 52 Rating, Deduct	*-1,333.90*	
		For Class 54 Rating, Add	*1,830.47*	
		For Class 55 Rating, Add	*2,727.21*	
		For Class 56 Rating, Add	*3,611.83*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,007.90	597.78
		For Class 52 Rating, Deduct	*-231.24*	
		For Class 54 Rating, Add	*326.20*	
		For Class 55 Rating, Add	*490.53*	
		For Class 56 Rating, Add	*652.75*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,354.02	601.33
		For Class 52 Rating, Deduct	*-268.72*	
		For Class 54 Rating, Add	*377.37*	
		For Class 55 Rating, Add	*566.64*	
		For Class 56 Rating, Add	*753.46*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,700.15	604.89
		For Class 52 Rating, Deduct	*-306.20*	
		For Class 54 Rating, Add	*428.55*	
		For Class 55 Rating, Add	*642.75*	
		For Class 56 Rating, Add	*854.17*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,046.27	608.44
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*479.72*	
		For Class 55 Rating, Add	*718.86*	
		For Class 56 Rating, Add	*954.88*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,392.39	612.01
		For Class 52 Rating, Deduct	*-381.16*	
		For Class 54 Rating, Add	*530.89*	
		For Class 55 Rating, Add	*794.97*	
		For Class 56 Rating, Add	*1,055.59*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,738.51	615.57
		For Class 52 Rating, Deduct	*-418.64*	
		For Class 54 Rating, Add	*582.07*	
		For Class 55 Rating, Add	*871.09*	
		For Class 56 Rating, Add	*1,156.30*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,084.63	619.12
		For Class 52 Rating, Deduct	*-456.12*	
		For Class 54 Rating, Add	*633.24*	
		For Class 55 Rating, Add	*947.20*	
		For Class 56 Rating, Add	*1,257.01*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,430.75	622.68
		For Class 52 Rating, Deduct	*-493.60*	
		For Class 54 Rating, Add	*684.42*	
		For Class 55 Rating, Add	*1,023.31*	
		For Class 56 Rating, Add	*1,357.72*	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,776.87	626.24
		For Class 52 Rating, Deduct	*-531.08*	
		For Class 54 Rating, Add	*735.59*	
		For Class 55 Rating, Add	*1,099.42*	
		For Class 56 Rating, Add	*1,458.43*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,123.01	629.78
		For Class 52 Rating, Deduct	*-568.56*	
		For Class 54 Rating, Add	*786.77*	
		For Class 55 Rating, Add	*1,175.54*	
		For Class 56 Rating, Add	*1,559.14*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,469.13	633.35
		For Class 52 Rating, Deduct	*-606.05*	
		For Class 54 Rating, Add	*837.94*	
		For Class 55 Rating, Add	*1,251.65*	
		For Class 56 Rating, Add	*1,659.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,815.24	636.91
		For Class 52 Rating, Deduct	*-643.53*	
		For Class 54 Rating, Add	*889.11*	
		For Class 55 Rating, Add	*1,327.76*	
		For Class 56 Rating, Add	*1,760.56*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,161.37	640.48
		For Class 52 Rating, Deduct	*-681.01*	
		For Class 54 Rating, Add	*940.29*	
		For Class 55 Rating, Add	*1,403.87*	
		For Class 56 Rating, Add	*1,861.27*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,507.49	644.02
		For Class 52 Rating, Deduct	*-718.49*	
		For Class 54 Rating, Add	*991.46*	
		For Class 55 Rating, Add	*1,479.99*	
		For Class 56 Rating, Add	*1,961.98*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,853.61	647.58
		For Class 52 Rating, Deduct	*-755.97*	
		For Class 54 Rating, Add	*1,042.64*	
		For Class 55 Rating, Add	*1,556.10*	
		For Class 56 Rating, Add	*2,062.69*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,199.73	651.15
		For Class 52 Rating, Deduct	*-793.45*	
		For Class 54 Rating, Add	*1,093.81*	
		For Class 55 Rating, Add	*1,632.21*	
		For Class 56 Rating, Add	*2,163.40*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,545.85	654.69
		For Class 52 Rating, Deduct	*-830.93*	
		For Class 54 Rating, Add	*1,144.99*	
		For Class 55 Rating, Add	*1,708.32*	
		For Class 56 Rating, Add	*2,264.11*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,891.98	658.26
		For Class 52 Rating, Deduct	*-868.41*	
		For Class 54 Rating, Add	*1,196.16*	
		For Class 55 Rating, Add	*1,784.43*	
		For Class 56 Rating, Add	*2,364.82*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,238.09	661.82
		For Class 52 Rating, Deduct	*-905.89*	
		For Class 54 Rating, Add	*1,247.33*	
		For Class 55 Rating, Add	*1,860.55*	
		For Class 56 Rating, Add	*2,465.52*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,584.22	665.38
		For Class 52 Rating, Deduct	*-943.37*	
		For Class 54 Rating, Add	*1,298.51*	
		For Class 55 Rating, Add	*1,936.66*	
		For Class 56 Rating, Add	*2,566.23*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,930.35	668.93
		For Class 52 Rating, Deduct	*-980.85*	
		For Class 54 Rating, Add	*1,349.68*	
		For Class 55 Rating, Add	*2,012.77*	
		For Class 56 Rating, Add	*2,666.95*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,276.47	672.49
		For Class 52 Rating, Deduct	*-1,018.33*	
		For Class 54 Rating, Add	*1,400.86*	
		For Class 55 Rating, Add	*2,088.89*	
		For Class 56 Rating, Add	*2,767.66*	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,622.59	676.05
		For Class 52 Rating, Deduct	*-1,055.81*	
		For Class 54 Rating, Add	*1,452.03*	
		For Class 55 Rating, Add	*2,165.00*	
		For Class 56 Rating, Add	*2,868.37*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,968.71	679.62
		For Class 52 Rating, Deduct	*-1,093.29*	
		For Class 54 Rating, Add	*1,503.21*	
		For Class 55 Rating, Add	*2,241.11*	
		For Class 56 Rating, Add	*2,969.07*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,314.84	683.16
		For Class 52 Rating, Deduct	*-1,130.77*	
		For Class 54 Rating, Add	*1,554.38*	
		For Class 55 Rating, Add	*2,317.22*	
		For Class 56 Rating, Add	*3,069.78*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,660.95	686.73
		For Class 52 Rating, Deduct	*-1,168.25*	
		For Class 54 Rating, Add	*1,605.55*	
		For Class 55 Rating, Add	*2,393.33*	
		For Class 56 Rating, Add	*3,170.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,007.07	690.28
		For Class 52 Rating, Deduct	*-1,205.73*	
		For Class 54 Rating, Add	*1,656.73*	
		For Class 55 Rating, Add	*2,469.45*	
		For Class 56 Rating, Add	*3,271.20*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,353.20	693.84
		For Class 52 Rating, Deduct	*-1,243.21*	
		For Class 54 Rating, Add	*1,707.90*	
		For Class 55 Rating, Add	*2,545.56*	
		For Class 56 Rating, Add	*3,371.91*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,699.32	697.39
		For Class 52 Rating, Deduct	*-1,280.69*	
		For Class 54 Rating, Add	*1,759.08*	
		For Class 55 Rating, Add	*2,621.67*	
		For Class 56 Rating, Add	*3,472.62*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,045.44	700.96
		For Class 52 Rating, Deduct	*-1,318.17*	
		For Class 54 Rating, Add	*1,810.25*	
		For Class 55 Rating, Add	*2,697.78*	
		For Class 56 Rating, Add	*3,573.33*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,391.56	704.53
		For Class 52 Rating, Deduct	*-1,355.65*	
		For Class 54 Rating, Add	*1,861.43*	
		For Class 55 Rating, Add	*2,773.90*	
		For Class 56 Rating, Add	*3,674.04*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,737.69	708.07
		For Class 52 Rating, Deduct	*-1,393.13*	
		For Class 54 Rating, Add	*1,912.60*	
		For Class 55 Rating, Add	*2,850.01*	
		For Class 56 Rating, Add	*3,774.75*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,083.81	711.64
		For Class 52 Rating, Deduct	*-1,430.61*	
		For Class 54 Rating, Add	*1,963.78*	
		For Class 55 Rating, Add	*2,926.12*	
		For Class 56 Rating, Add	*3,875.46*	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,429.93	715.19
		For Class 52 Rating, Deduct	*-1,468.09*	
		For Class 54 Rating, Add	*2,014.95*	
		For Class 55 Rating, Add	*3,002.23*	
		For Class 56 Rating, Add	*3,976.17*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,776.06	718.75
		For Class 52 Rating, Deduct	*-1,505.57*	
		For Class 54 Rating, Add	*2,066.12*	
		For Class 55 Rating, Add	*3,078.35*	
		For Class 56 Rating, Add	*4,076.88*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,122.18	722.30
		For Class 52 Rating, Deduct	*-1,543.05*	
		For Class 54 Rating, Add	*2,117.30*	
		For Class 55 Rating, Add	*3,154.46*	
		For Class 56 Rating, Add	*4,177.59*	
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,468.29	725.87
		For Class 52 Rating, Deduct	*-1,580.54*	
		For Class 54 Rating, Add	*2,168.47*	
		For Class 55 Rating, Add	*3,230.57*	
		For Class 56 Rating, Add	*4,278.30*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,814.42	729.43
		For Class 52 Rating, Deduct	*-1,618.02*	
		For Class 54 Rating, Add	*2,219.65*	
		For Class 55 Rating, Add	*3,306.68*	
		For Class 56 Rating, Add	*4,379.01*	
40 05 19 00-3322		16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,514.54	683.16
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*384.34*	
		For Class 55 Rating, Add	*577.76*	
		For Class 56 Rating, Add	*768.70*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,915.41	686.73
		For Class 52 Rating, Deduct	*-316.24*	
		For Class 54 Rating, Add	*443.72*	
		For Class 55 Rating, Add	*666.08*	
		For Class 56 Rating, Add	*885.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,316.29	690.28
		For Class 52 Rating, Deduct	*-359.75*	
		For Class 54 Rating, Add	*503.11*	
		For Class 55 Rating, Add	*754.40*	
		For Class 56 Rating, Add	*1,002.42*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,717.18	693.84
		For Class 52 Rating, Deduct	*-403.25*	
		For Class 54 Rating, Add	*562.50*	
		For Class 55 Rating, Add	*842.73*	
		For Class 56 Rating, Add	*1,119.29*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,118.06	697.39
		For Class 52 Rating, Deduct	*-446.75*	
		For Class 54 Rating, Add	*621.89*	
		For Class 55 Rating, Add	*931.05*	
		For Class 56 Rating, Add	*1,236.15*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,518.94	700.96
		For Class 52 Rating, Deduct	*-490.26*	
		For Class 54 Rating, Add	*681.28*	
		For Class 55 Rating, Add	*1,019.37*	
		For Class 56 Rating, Add	*1,353.01*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,919.82	704.53
		For Class 52 Rating, Deduct	*-533.76*	
		For Class 54 Rating, Add	*740.66*	
		For Class 55 Rating, Add	*1,107.70*	
		For Class 56 Rating, Add	*1,469.88*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,320.70	708.07
		For Class 52 Rating, Deduct	*-577.26*	
		For Class 54 Rating, Add	*800.05*	
		For Class 55 Rating, Add	*1,196.02*	
		For Class 56 Rating, Add	*1,586.74*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,721.59	711.64
		For Class 52 Rating, Deduct	*-620.77*	
		For Class 54 Rating, Add	*859.44*	
		For Class 55 Rating, Add	*1,284.35*	
		For Class 56 Rating, Add	*1,703.61*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,122.47	715.19
		For Class 52 Rating, Deduct	*-664.27*	
		For Class 54 Rating, Add	*918.83*	
		For Class 55 Rating, Add	*1,372.67*	
		For Class 56 Rating, Add	*1,820.47*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,523.36	718.75
		For Class 52 Rating, Deduct	*-707.78*	
		For Class 54 Rating, Add	*978.22*	
		For Class 55 Rating, Add	*1,460.99*	
		For Class 56 Rating, Add	*1,937.34*	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,924.24	722.30
		For Class 52 Rating, Deduct	*-751.28*	
		For Class 54 Rating, Add	*1,037.61*	
		For Class 55 Rating, Add	*1,549.32*	
		For Class 56 Rating, Add	*2,054.20*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,325.11	725.87
		For Class 52 Rating, Deduct	*-794.79*	
		For Class 54 Rating, Add	*1,097.00*	
		For Class 55 Rating, Add	*1,637.64*	
		For Class 56 Rating, Add	*2,171.06*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,726.00	729.43
		For Class 52 Rating, Deduct	*-838.29*	
		For Class 54 Rating, Add	*1,156.38*	
		For Class 55 Rating, Add	*1,725.97*	
		For Class 56 Rating, Add	*2,287.93*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,126.88	732.98
		For Class 52 Rating, Deduct	*-881.79*	
		For Class 54 Rating, Add	*1,215.77*	
		For Class 55 Rating, Add	*1,814.29*	
		For Class 56 Rating, Add	*2,404.79*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,527.76	736.54
		For Class 52 Rating, Deduct	*-925.30*	
		For Class 54 Rating, Add	*1,275.16*	
		For Class 55 Rating, Add	*1,902.61*	
		For Class 56 Rating, Add	*2,521.65*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,928.64	740.10
		For Class 52 Rating, Deduct	*-968.80*	
		For Class 54 Rating, Add	*1,334.55*	
		For Class 55 Rating, Add	*1,990.94*	
		For Class 56 Rating, Add	*2,638.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,329.53	743.64
		For Class 52 Rating, Deduct	*-1,012.31*	
		For Class 54 Rating, Add	*1,393.94*	
		For Class 55 Rating, Add	*2,079.26*	
		For Class 56 Rating, Add	*2,755.38*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,730.42	747.21
		For Class 52 Rating, Deduct	*-1,055.81*	
		For Class 54 Rating, Add	*1,453.33*	
		For Class 55 Rating, Add	*2,167.59*	
		For Class 56 Rating, Add	*2,872.25*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,131.29	750.78
		For Class 52 Rating, Deduct	*-1,099.31*	
		For Class 54 Rating, Add	*1,512.71*	
		For Class 55 Rating, Add	*2,255.91*	
		For Class 56 Rating, Add	*2,989.11*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,532.18	754.34
		For Class 52 Rating, Deduct	*-1,142.82*	
		For Class 54 Rating, Add	*1,572.10*	
		For Class 55 Rating, Add	*2,344.23*	
		For Class 56 Rating, Add	*3,105.97*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,933.06	757.89
		For Class 52 Rating, Deduct	*-1,186.32*	
		For Class 54 Rating, Add	*1,631.49*	
		For Class 55 Rating, Add	*2,432.56*	
		For Class 56 Rating, Add	*3,222.84*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,333.93	761.44
		For Class 52 Rating, Deduct	*-1,229.83*	
		For Class 54 Rating, Add	*1,690.88*	
		For Class 55 Rating, Add	*2,520.88*	
		For Class 56 Rating, Add	*3,339.70*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,734.82	765.01
		For Class 52 Rating, Deduct	*-1,273.33*	
		For Class 54 Rating, Add	*1,750.27*	
		For Class 55 Rating, Add	*2,609.20*	
		For Class 56 Rating, Add	*3,456.57*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,135.70	768.57
		For Class 52 Rating, Deduct	*-1,316.83*	
		For Class 54 Rating, Add	*1,809.66*	
		For Class 55 Rating, Add	*2,697.53*	
		For Class 56 Rating, Add	*3,573.43*	
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,536.60	772.12
		For Class 52 Rating, Deduct	*-1,360.34*	
		For Class 54 Rating, Add	*1,869.05*	
		For Class 55 Rating, Add	*2,785.85*	
		For Class 56 Rating, Add	*3,690.30*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,937.47	775.68
		For Class 52 Rating, Deduct	*-1,403.84*	
		For Class 54 Rating, Add	*1,928.43*	
		For Class 55 Rating, Add	*2,874.18*	
		For Class 56 Rating, Add	*3,807.16*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,338.35	779.24
		For Class 52 Rating, Deduct	*-1,447.35*	
		For Class 54 Rating, Add	*1,987.82*	
		For Class 55 Rating, Add	*2,962.50*	
		For Class 56 Rating, Add	*3,924.02*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,739.24	782.79
		For Class 52 Rating, Deduct	*-1,490.85*	
		For Class 54 Rating, Add	*2,047.21*	
		For Class 55 Rating, Add	*3,050.82*	
		For Class 56 Rating, Add	*4,040.89*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,140.11	786.35
		For Class 52 Rating, Deduct	*-1,534.35*	
		For Class 54 Rating, Add	*2,106.60*	
		For Class 55 Rating, Add	*3,139.15*	
		For Class 56 Rating, Add	*4,157.75*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,540.99	789.91
		For Class 52 Rating, Deduct	*-1,577.86*	
		For Class 54 Rating, Add	*2,165.99*	
		For Class 55 Rating, Add	*3,227.47*	
		For Class 56 Rating, Add	*4,274.61*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,941.88	793.48
		For Class 52 Rating, Deduct	*-1,621.36*	
		For Class 54 Rating, Add	*2,225.37*	
		For Class 55 Rating, Add	*3,315.80*	
		For Class 56 Rating, Add	*4,391.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,342.76	797.02
		For Class 52 Rating, Deduct	*-1,664.87*	
		For Class 54 Rating, Add	*2,284.76*	
		For Class 55 Rating, Add	*3,404.12*	
		For Class 56 Rating, Add	*4,508.34*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,743.65	800.59
		For Class 52 Rating, Deduct	*-1,708.37*	
		For Class 54 Rating, Add	*2,344.15*	
		For Class 55 Rating, Add	*3,492.44*	
		For Class 56 Rating, Add	*4,625.21*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,144.53	804.15
		For Class 52 Rating, Deduct	*-1,751.87*	
		For Class 54 Rating, Add	*2,403.54*	
		For Class 55 Rating, Add	*3,580.77*	
		For Class 56 Rating, Add	*4,742.07*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,545.42	807.70
		For Class 52 Rating, Deduct	*-1,795.38*	
		For Class 54 Rating, Add	*2,462.93*	
		For Class 55 Rating, Add	*3,669.09*	
		For Class 56 Rating, Add	*4,858.93*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,946.29	811.26
		For Class 52 Rating, Deduct	*-1,838.88*	
		For Class 54 Rating, Add	*2,522.32*	
		For Class 55 Rating, Add	*3,757.42*	
		For Class 56 Rating, Add	*4,975.80*	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,347.17	814.82
		For Class 52 Rating, Deduct	*-1,882.39*	
		For Class 54 Rating, Add	*2,581.70*	
		For Class 55 Rating, Add	*3,845.74*	
		For Class 56 Rating, Add	*5,092.66*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,071.99	769.99
		For Class 52 Rating, Deduct	*-319.59*	
		For Class 54 Rating, Add	*449.80*	
		For Class 55 Rating, Add	*675.89*	
		For Class 56 Rating, Add	*899.07*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,533.72	773.55
		For Class 52 Rating, Deduct	*-369.78*	
		For Class 54 Rating, Add	*518.32*	
		For Class 55 Rating, Add	*777.78*	
		For Class 56 Rating, Add	*1,033.89*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,995.44	777.10
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*586.83*	
		For Class 55 Rating, Add	*879.67*	
		For Class 56 Rating, Add	*1,168.70*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,457.18	780.66
		For Class 52 Rating, Deduct	*-470.18*	
		For Class 54 Rating, Add	*655.35*	
		For Class 55 Rating, Add	*981.57*	
		For Class 56 Rating, Add	*1,303.52*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,918.89	784.22
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*723.86*	
		For Class 55 Rating, Add	*1,083.46*	
		For Class 56 Rating, Add	*1,438.33*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,380.62	787.77
		For Class 52 Rating, Deduct	*-570.57*	
		For Class 54 Rating, Add	*792.38*	
		For Class 55 Rating, Add	*1,185.35*	
		For Class 56 Rating, Add	*1,573.14*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,842.36	791.33
		For Class 52 Rating, Deduct	*-620.77*	
		For Class 54 Rating, Add	*860.89*	
		For Class 55 Rating, Add	*1,287.25*	
		For Class 56 Rating, Add	*1,707.96*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,304.08	794.90
		For Class 52 Rating, Deduct	*-670.97*	
		For Class 54 Rating, Add	*929.41*	
		For Class 55 Rating, Add	*1,389.14*	
		For Class 56 Rating, Add	*1,842.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,765.81	798.46
		For Class 52 Rating, Deduct	*-721.16*	
		For Class 54 Rating, Add	*997.92*	
		For Class 55 Rating, Add	*1,491.03*	
		For Class 56 Rating, Add	*1,977.58*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,227.53	802.01
		For Class 52 Rating, Deduct	*-771.36*	
		For Class 54 Rating, Add	*1,066.44*	
		For Class 55 Rating, Add	*1,592.92*	
		For Class 56 Rating, Add	*2,112.39*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,689.26	805.57
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*1,134.95*	
		For Class 55 Rating, Add	*1,694.81*	
		For Class 56 Rating, Add	*2,247.21*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,150.99	809.13
		For Class 52 Rating, Deduct	*-871.75*	
		For Class 54 Rating, Add	*1,203.47*	
		For Class 55 Rating, Add	*1,796.71*	
		For Class 56 Rating, Add	*2,382.02*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,612.71	812.68
		For Class 52 Rating, Deduct	*-921.95*	
		For Class 54 Rating, Add	*1,271.98*	
		For Class 55 Rating, Add	*1,898.60*	
		For Class 56 Rating, Add	*2,516.83*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,074.45	816.24
		For Class 52 Rating, Deduct	*-972.15*	
		For Class 54 Rating, Add	*1,340.50*	
		For Class 55 Rating, Add	*2,000.49*	
		For Class 56 Rating, Add	*2,651.65*	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,536.17	819.81
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,409.01*	
		For Class 55 Rating, Add	*2,102.38*	
		For Class 56 Rating, Add	*2,786.46*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,997.89	823.36
		For Class 52 Rating, Deduct	*-1,072.54*	
		For Class 54 Rating, Add	*1,477.53*	
		For Class 55 Rating, Add	*2,204.27*	
		For Class 56 Rating, Add	*2,921.27*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,459.63	826.92
		For Class 52 Rating, Deduct	*-1,122.74*	
		For Class 54 Rating, Add	*1,546.04*	
		For Class 55 Rating, Add	*2,306.17*	
		For Class 56 Rating, Add	*3,056.09*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,921.35	830.47
		For Class 52 Rating, Deduct	*-1,172.94*	
		For Class 54 Rating, Add	*1,614.56*	
		For Class 55 Rating, Add	*2,408.06*	
		For Class 56 Rating, Add	*3,190.90*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,383.08	834.04
		For Class 52 Rating, Deduct	*-1,223.13*	
		For Class 54 Rating, Add	*1,683.07*	
		For Class 55 Rating, Add	*2,509.95*	
		For Class 56 Rating, Add	*3,325.71*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,844.80	837.58
		For Class 52 Rating, Deduct	*-1,273.33*	
		For Class 54 Rating, Add	*1,751.59*	
		For Class 55 Rating, Add	*2,611.84*	
		For Class 56 Rating, Add	*3,460.52*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,306.53	841.15
		For Class 52 Rating, Deduct	*-1,323.53*	
		For Class 54 Rating, Add	*1,820.10*	
		For Class 55 Rating, Add	*2,713.74*	
		For Class 56 Rating, Add	*3,595.34*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,768.27	844.71
		For Class 52 Rating, Deduct	*-1,373.72*	
		For Class 54 Rating, Add	*1,888.62*	
		For Class 55 Rating, Add	*2,815.63*	
		For Class 56 Rating, Add	*3,730.15*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,229.98	848.27
		For Class 52 Rating, Deduct	*-1,423.92*	
		For Class 54 Rating, Add	*1,957.13*	
		For Class 55 Rating, Add	*2,917.52*	
		For Class 56 Rating, Add	*3,864.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,691.72	851.81
		For Class 52 Rating, Deduct	*-1,474.12*	
		For Class 54 Rating, Add	*2,025.65*	
		For Class 55 Rating, Add	*3,019.41*	
		For Class 56 Rating, Add	*3,999.78*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,153.44	855.38
		For Class 52 Rating, Deduct	*-1,524.31*	
		For Class 54 Rating, Add	*2,094.16*	
		For Class 55 Rating, Add	*3,121.31*	
		For Class 56 Rating, Add	*4,134.59*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,615.17	858.95
		For Class 52 Rating, Deduct	*-1,574.51*	
		For Class 54 Rating, Add	*2,162.68*	
		For Class 55 Rating, Add	*3,223.20*	
		For Class 56 Rating, Add	*4,269.40*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,076.90	862.51
		For Class 52 Rating, Deduct	*-1,624.71*	
		For Class 54 Rating, Add	*2,231.19*	
		For Class 55 Rating, Add	*3,325.09*	
		For Class 56 Rating, Add	*4,404.22*	
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,538.62	866.06
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,299.71*	
		For Class 55 Rating, Add	*3,426.98*	
		For Class 56 Rating, Add	*4,539.03*	
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,000.36	869.61
		For Class 52 Rating, Deduct	*-1,725.10*	
		For Class 54 Rating, Add	*2,368.22*	
		For Class 55 Rating, Add	*3,528.88*	
		For Class 56 Rating, Add	*4,673.85*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,462.07	873.18
		For Class 52 Rating, Deduct	*-1,775.30*	
		For Class 54 Rating, Add	*2,436.74*	
		For Class 55 Rating, Add	*3,630.77*	
		For Class 56 Rating, Add	*4,808.66*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,923.80	876.72
		For Class 52 Rating, Deduct	*-1,825.50*	
		For Class 54 Rating, Add	*2,505.25*	
		For Class 55 Rating, Add	*3,732.66*	
		For Class 56 Rating, Add	*4,943.47*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,385.54	880.29
		For Class 52 Rating, Deduct	*-1,875.69*	
		For Class 54 Rating, Add	*2,573.77*	
		For Class 55 Rating, Add	*3,834.55*	
		For Class 56 Rating, Add	*5,078.29*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,847.26	883.85
		For Class 52 Rating, Deduct	*-1,925.89*	
		For Class 54 Rating, Add	*2,642.28*	
		For Class 55 Rating, Add	*3,936.44*	
		For Class 56 Rating, Add	*5,213.10*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,308.99	887.41
		For Class 52 Rating, Deduct	*-1,976.09*	
		For Class 54 Rating, Add	*2,710.80*	
		For Class 55 Rating, Add	*4,038.34*	
		For Class 56 Rating, Add	*5,347.91*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,770.71	890.96
		For Class 52 Rating, Deduct	*-2,026.28*	
		For Class 54 Rating, Add	*2,779.31*	
		For Class 55 Rating, Add	*4,140.23*	
		For Class 56 Rating, Add	*5,482.72*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,232.44	894.52
		For Class 52 Rating, Deduct	*-2,076.48*	
		For Class 54 Rating, Add	*2,847.83*	
		For Class 55 Rating, Add	*4,242.12*	
		For Class 56 Rating, Add	*5,617.54*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,694.17	898.08
		For Class 52 Rating, Deduct	*-2,126.68*	
		For Class 54 Rating, Add	*2,916.34*	
		For Class 55 Rating, Add	*4,344.01*	
		For Class 56 Rating, Add	*5,752.35*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,155.89	901.63
		For Class 52 Rating, Deduct	*-2,176.87*	
		For Class 54 Rating, Add	*2,984.86*	
		For Class 55 Rating, Add	*4,445.91*	
		For Class 56 Rating, Add	*5,887.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3400		20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,738.92	878.87
		For Class 52 Rating, Deduct	*-374.80*	
		For Class 54 Rating, Add	*527.08*	
		For Class 55 Rating, Add	*791.79*	
		For Class 56 Rating, Add	*1,053.09*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,264.54	882.43
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*605.17*	
		For Class 55 Rating, Add	*907.93*	
		For Class 56 Rating, Add	*1,206.75*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,790.15	885.98
		For Class 52 Rating, Deduct	*-489.25*	
		For Class 54 Rating, Add	*683.27*	
		For Class 55 Rating, Add	*1,024.07*	
		For Class 56 Rating, Add	*1,360.41*	
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,315.77	889.54
		For Class 52 Rating, Deduct	*-546.48*	
		For Class 54 Rating, Add	*761.37*	
		For Class 55 Rating, Add	*1,140.21*	
		For Class 56 Rating, Add	*1,514.07*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,841.38	893.10
		For Class 52 Rating, Deduct	*-603.70*	
		For Class 54 Rating, Add	*839.47*	
		For Class 55 Rating, Add	*1,256.34*	
		For Class 56 Rating, Add	*1,667.73*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,366.99	896.65
		For Class 52 Rating, Deduct	*-660.93*	
		For Class 54 Rating, Add	*917.57*	
		For Class 55 Rating, Add	*1,372.48*	
		For Class 56 Rating, Add	*1,821.39*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,892.61	900.21
		For Class 52 Rating, Deduct	*-718.15*	
		For Class 54 Rating, Add	*995.67*	
		For Class 55 Rating, Add	*1,488.62*	
		For Class 56 Rating, Add	*1,975.05*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,418.22	903.77
		For Class 52 Rating, Deduct	*-775.38*	
		For Class 54 Rating, Add	*1,073.76*	
		For Class 55 Rating, Add	*1,604.76*	
		For Class 56 Rating, Add	*2,128.71*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,943.84	907.34
		For Class 52 Rating, Deduct	*-832.60*	
		For Class 54 Rating, Add	*1,151.86*	
		For Class 55 Rating, Add	*1,720.90*	
		For Class 56 Rating, Add	*2,282.37*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,469.46	910.88
		For Class 52 Rating, Deduct	*-889.83*	
		For Class 54 Rating, Add	*1,229.96*	
		For Class 55 Rating, Add	*1,837.04*	
		For Class 56 Rating, Add	*2,436.03*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,995.06	914.45
		For Class 52 Rating, Deduct	*-947.05*	
		For Class 54 Rating, Add	*1,308.06*	
		For Class 55 Rating, Add	*1,953.18*	
		For Class 56 Rating, Add	*2,589.69*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,520.68	918.01
		For Class 52 Rating, Deduct	*-1,004.27*	
		For Class 54 Rating, Add	*1,386.16*	
		For Class 55 Rating, Add	*2,069.32*	
		For Class 56 Rating, Add	*2,743.35*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,046.30	921.56
		For Class 52 Rating, Deduct	*-1,061.50*	
		For Class 54 Rating, Add	*1,464.25*	
		For Class 55 Rating, Add	*2,185.46*	
		For Class 56 Rating, Add	*2,897.01*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,571.91	925.12
		For Class 52 Rating, Deduct	*-1,118.72*	
		For Class 54 Rating, Add	*1,542.35*	
		For Class 55 Rating, Add	*2,301.60*	
		For Class 56 Rating, Add	*3,050.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,097.52	928.68
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,620.45*	
		For Class 55 Rating, Add	*2,417.74*	
		For Class 56 Rating, Add	*3,204.33*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,623.13	932.25
		For Class 52 Rating, Deduct	*-1,233.17*	
		For Class 54 Rating, Add	*1,698.55*	
		For Class 55 Rating, Add	*2,533.87*	
		For Class 56 Rating, Add	*3,357.99*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,148.76	935.79
		For Class 52 Rating, Deduct	*-1,290.40*	
		For Class 54 Rating, Add	*1,776.65*	
		For Class 55 Rating, Add	*2,650.02*	
		For Class 56 Rating, Add	*3,511.65*	
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,674.36	939.36
		For Class 52 Rating, Deduct	*-1,347.62*	
		For Class 54 Rating, Add	*1,854.74*	
		For Class 55 Rating, Add	*2,766.15*	
		For Class 56 Rating, Add	*3,665.31*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,199.98	942.91
		For Class 52 Rating, Deduct	*-1,404.85*	
		For Class 54 Rating, Add	*1,932.84*	
		For Class 55 Rating, Add	*2,882.29*	
		For Class 56 Rating, Add	*3,818.97*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,725.60	946.48
		For Class 52 Rating, Deduct	*-1,462.07*	
		For Class 54 Rating, Add	*2,010.94*	
		For Class 55 Rating, Add	*2,998.43*	
		For Class 56 Rating, Add	*3,972.63*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,251.20	950.02
		For Class 52 Rating, Deduct	*-1,519.29*	
		For Class 54 Rating, Add	*2,089.04*	
		For Class 55 Rating, Add	*3,114.57*	
		For Class 56 Rating, Add	*4,126.29*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,776.82	953.59
		For Class 52 Rating, Deduct	*-1,576.52*	
		For Class 54 Rating, Add	*2,167.14*	
		For Class 55 Rating, Add	*3,230.71*	
		For Class 56 Rating, Add	*4,279.95*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,302.44	957.15
		For Class 52 Rating, Deduct	*-1,633.74*	
		For Class 54 Rating, Add	*2,245.24*	
		For Class 55 Rating, Add	*3,346.85*	
		For Class 56 Rating, Add	*4,433.61*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,828.06	960.70
		For Class 52 Rating, Deduct	*-1,690.97*	
		For Class 54 Rating, Add	*2,323.33*	
		For Class 55 Rating, Add	*3,462.99*	
		For Class 56 Rating, Add	*4,587.27*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,353.66	964.26
		For Class 52 Rating, Deduct	*-1,748.19*	
		For Class 54 Rating, Add	*2,401.43*	
		For Class 55 Rating, Add	*3,579.13*	
		For Class 56 Rating, Add	*4,740.93*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,879.27	967.82
		For Class 52 Rating, Deduct	*-1,805.42*	
		For Class 54 Rating, Add	*2,479.53*	
		For Class 55 Rating, Add	*3,695.27*	
		For Class 56 Rating, Add	*4,894.59*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,404.90	971.39
		For Class 52 Rating, Deduct	*-1,862.64*	
		For Class 54 Rating, Add	*2,557.63*	
		For Class 55 Rating, Add	*3,811.41*	
		For Class 56 Rating, Add	*5,048.25*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,930.50	974.93
		For Class 52 Rating, Deduct	*-1,919.87*	
		For Class 54 Rating, Add	*2,635.73*	
		For Class 55 Rating, Add	*3,927.54*	
		For Class 56 Rating, Add	*5,201.91*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,456.12	978.50
		For Class 52 Rating, Deduct	*-1,977.09*	
		For Class 54 Rating, Add	*2,713.82*	
		For Class 55 Rating, Add	*4,043.68*	
		For Class 56 Rating, Add	*5,355.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,981.74	982.06
		For Class 52 Rating, Deduct	*-2,034.32*	
		For Class 54 Rating, Add	*2,791.92*	
		For Class 55 Rating, Add	*4,159.82*	
		For Class 56 Rating, Add	*5,509.23*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,507.35	985.61
		For Class 52 Rating, Deduct	*-2,091.54*	
		For Class 54 Rating, Add	*2,870.02*	
		For Class 55 Rating, Add	*4,275.96*	
		For Class 56 Rating, Add	*5,662.89*	
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,032.96	989.16
		For Class 52 Rating, Deduct	*-2,148.76*	
		For Class 54 Rating, Add	*2,948.12*	
		For Class 55 Rating, Add	*4,392.10*	
		For Class 56 Rating, Add	*5,816.55*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,558.58	992.73
		For Class 52 Rating, Deduct	*-2,205.99*	
		For Class 54 Rating, Add	*3,026.22*	
		For Class 55 Rating, Add	*4,508.24*	
		For Class 56 Rating, Add	*5,970.21*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,084.20	996.29
		For Class 52 Rating, Deduct	*-2,263.21*	
		For Class 54 Rating, Add	*3,104.31*	
		For Class 55 Rating, Add	*4,624.38*	
		For Class 56 Rating, Add	*6,123.87*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,609.80	999.84
		For Class 52 Rating, Deduct	*-2,320.44*	
		For Class 54 Rating, Add	*3,182.41*	
		For Class 55 Rating, Add	*4,740.52*	
		For Class 56 Rating, Add	*6,277.53*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,135.42	1,003.40
		For Class 52 Rating, Deduct	*-2,377.66*	
		For Class 54 Rating, Add	*3,260.51*	
		For Class 55 Rating, Add	*4,856.66*	
		For Class 56 Rating, Add	*6,431.19*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,661.04	1,006.96
		For Class 52 Rating, Deduct	*-2,434.89*	
		For Class 54 Rating, Add	*3,338.61*	
		For Class 55 Rating, Add	*4,972.80*	
		For Class 56 Rating, Add	*6,584.85*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,186.65	1,010.51
		For Class 52 Rating, Deduct	*-2,492.11*	
		For Class 54 Rating, Add	*3,416.71*	
		For Class 55 Rating, Add	*5,088.94*	
		For Class 56 Rating, Add	*6,738.51*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,827.26	1,038.98
		For Class 52 Rating, Deduct	*-467.84*	
		For Class 54 Rating, Add	*656.85*	
		For Class 55 Rating, Add	*986.21*	
		For Class 56 Rating, Add	*1,311.32*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,477.62	1,042.54
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*753.66*	
		For Class 55 Rating, Add	*1,130.17*	
		For Class 56 Rating, Add	*1,501.78*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,127.96	1,046.11
		For Class 52 Rating, Deduct	*-609.73*	
		For Class 54 Rating, Add	*850.46*	
		For Class 55 Rating, Add	*1,274.12*	
		For Class 56 Rating, Add	*1,692.23*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,778.32	1,049.65
		For Class 52 Rating, Deduct	*-680.67*	
		For Class 54 Rating, Add	*947.27*	
		For Class 55 Rating, Add	*1,418.08*	
		For Class 56 Rating, Add	*1,882.69*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,428.65	1,053.22
		For Class 52 Rating, Deduct	*-751.62*	
		For Class 54 Rating, Add	*1,044.08*	
		For Class 55 Rating, Add	*1,562.03*	
		For Class 56 Rating, Add	*2,073.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,079.00	1,056.77
		For Class 52 Rating, Deduct	*-822.56*	
		For Class 54 Rating, Add	*1,140.89*	
		For Class 55 Rating, Add	*1,705.98*	
		For Class 56 Rating, Add	*2,263.60*	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,729.35	1,060.34
		For Class 52 Rating, Deduct	*-893.51*	
		For Class 54 Rating, Add	*1,237.70*	
		For Class 55 Rating, Add	*1,849.94*	
		For Class 56 Rating, Add	*2,454.06*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,379.69	1,063.88
		For Class 52 Rating, Deduct	*-964.45*	
		For Class 54 Rating, Add	*1,334.50*	
		For Class 55 Rating, Add	*1,993.89*	
		For Class 56 Rating, Add	*2,644.51*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,030.04	1,067.45
		For Class 52 Rating, Deduct	*-1,035.40*	
		For Class 54 Rating, Add	*1,431.31*	
		For Class 55 Rating, Add	*2,137.85*	
		For Class 56 Rating, Add	*2,834.97*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,680.39	1,071.02
		For Class 52 Rating, Deduct	*-1,106.34*	
		For Class 54 Rating, Add	*1,528.12*	
		For Class 55 Rating, Add	*2,281.80*	
		For Class 56 Rating, Add	*3,025.43*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,330.73	1,074.56
		For Class 52 Rating, Deduct	*-1,177.29*	
		For Class 54 Rating, Add	*1,624.93*	
		For Class 55 Rating, Add	*2,425.75*	
		For Class 56 Rating, Add	*3,215.88*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,981.08	1,078.13
		For Class 52 Rating, Deduct	*-1,248.23*	
		For Class 54 Rating, Add	*1,721.74*	
		For Class 55 Rating, Add	*2,569.71*	
		For Class 56 Rating, Add	*3,406.34*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,631.42	1,081.68
		For Class 52 Rating, Deduct	*-1,319.18*	
		For Class 54 Rating, Add	*1,818.54*	
		For Class 55 Rating, Add	*2,713.66*	
		For Class 56 Rating, Add	*3,596.79*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,281.77	1,085.25
		For Class 52 Rating, Deduct	*-1,390.12*	
		For Class 54 Rating, Add	*1,915.35*	
		For Class 55 Rating, Add	*2,857.62*	
		For Class 56 Rating, Add	*3,787.25*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,932.11	1,088.79
		For Class 52 Rating, Deduct	*-1,461.07*	
		For Class 54 Rating, Add	*2,012.16*	
		For Class 55 Rating, Add	*3,001.57*	
		For Class 56 Rating, Add	*3,977.70*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,582.45	1,092.36
		For Class 52 Rating, Deduct	*-1,532.01*	
		For Class 54 Rating, Add	*2,108.97*	
		For Class 55 Rating, Add	*3,145.53*	
		For Class 56 Rating, Add	*4,168.16*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,232.81	1,095.92
		For Class 52 Rating, Deduct	*-1,602.96*	
		For Class 54 Rating, Add	*2,205.78*	
		For Class 55 Rating, Add	*3,289.48*	
		For Class 56 Rating, Add	*4,358.61*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,883.15	1,099.47
		For Class 52 Rating, Deduct	*-1,673.90*	
		For Class 54 Rating, Add	*2,302.58*	
		For Class 55 Rating, Add	*3,433.43*	
		For Class 56 Rating, Add	*4,549.07*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,533.50	1,103.02
		For Class 52 Rating, Deduct	*-1,744.85*	
		For Class 54 Rating, Add	*2,399.39*	
		For Class 55 Rating, Add	*3,577.39*	
		For Class 56 Rating, Add	*4,739.53*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,183.84	1,106.59
		For Class 52 Rating, Deduct	*-1,815.79*	
		For Class 54 Rating, Add	*2,496.20*	
		For Class 55 Rating, Add	*3,721.34*	
		For Class 56 Rating, Add	*4,929.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,834.19	1,110.15
		For Class 52 Rating, Deduct	*-1,886.74*	
		For Class 54 Rating, Add	*2,593.01*	
		For Class 55 Rating, Add	*3,865.30*	
		For Class 56 Rating, Add	*5,120.44*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,484.53	1,113.70
		For Class 52 Rating, Deduct	*-1,957.68*	
		For Class 54 Rating, Add	*2,689.81*	
		For Class 55 Rating, Add	*4,009.25*	
		For Class 56 Rating, Add	*5,310.89*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,134.88	1,117.26
		For Class 52 Rating, Deduct	*-2,028.63*	
		For Class 54 Rating, Add	*2,786.62*	
		For Class 55 Rating, Add	*4,153.21*	
		For Class 56 Rating, Add	*5,501.35*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,785.23	1,120.82
		For Class 52 Rating, Deduct	*-2,099.57*	
		For Class 54 Rating, Add	*2,883.43*	
		For Class 55 Rating, Add	*4,297.16*	
		For Class 56 Rating, Add	*5,691.80*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,435.58	1,124.39
		For Class 52 Rating, Deduct	*-2,170.52*	
		For Class 54 Rating, Add	*2,980.24*	
		For Class 55 Rating, Add	*4,441.12*	
		For Class 56 Rating, Add	*5,882.26*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,085.91	1,127.93
		For Class 52 Rating, Deduct	*-2,241.46*	
		For Class 54 Rating, Add	*3,077.05*	
		For Class 55 Rating, Add	*4,585.07*	
		For Class 56 Rating, Add	*6,072.72*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,736.27	1,131.50
		For Class 52 Rating, Deduct	*-2,312.41*	
		For Class 54 Rating, Add	*3,173.85*	
		For Class 55 Rating, Add	*4,729.02*	
		For Class 56 Rating, Add	*6,263.17*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,386.61	1,135.06
		For Class 52 Rating, Deduct	*-2,383.35*	
		For Class 54 Rating, Add	*3,270.66*	
		For Class 55 Rating, Add	*4,872.98*	
		For Class 56 Rating, Add	*6,453.63*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,036.96	1,138.61
		For Class 52 Rating, Deduct	*-2,454.30*	
		For Class 54 Rating, Add	*3,367.47*	
		For Class 55 Rating, Add	*5,016.93*	
		For Class 56 Rating, Add	*6,644.08*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,778.95	1,202.65
		For Class 52 Rating, Deduct	*-2,525.24*	
		For Class 54 Rating, Add	*3,465.38*	
		For Class 55 Rating, Add	*5,163.09*	
		For Class 56 Rating, Add	*6,837.84*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,429.30	1,206.22
		For Class 52 Rating, Deduct	*-2,596.19*	
		For Class 54 Rating, Add	*3,562.19*	
		For Class 55 Rating, Add	*5,307.04*	
		For Class 56 Rating, Add	*7,028.30*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,079.65	1,209.78
		For Class 52 Rating, Deduct	*-2,667.13*	
		For Class 54 Rating, Add	*3,658.99*	
		For Class 55 Rating, Add	*5,450.99*	
		For Class 56 Rating, Add	*7,218.75*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,730.00	1,213.34
		For Class 52 Rating, Deduct	*-2,738.08*	
		For Class 54 Rating, Add	*3,755.80*	
		For Class 55 Rating, Add	*5,594.95*	
		For Class 56 Rating, Add	*7,409.21*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,380.33	1,216.88
		For Class 52 Rating, Deduct	*-2,809.02*	
		For Class 54 Rating, Add	*3,852.61*	
		For Class 55 Rating, Add	*5,738.90*	
		For Class 56 Rating, Add	*7,599.66*	
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,072.93	1,220.45
		For Class 52 Rating, Deduct	*-3,214.61*	
		For Class 54 Rating, Add	*4,405.75*	
		For Class 55 Rating, Add	*6,561.28*	
		For Class 56 Rating, Add	*8,687.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,681.03	1,224.01
		For Class 52 Rating, Deduct	*-2,950.91*	
		For Class 54 Rating, Add	*4,046.23*	
		For Class 55 Rating, Add	*6,026.81*	
		For Class 56 Rating, Add	*7,980.57*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,331.38	1,227.56
		For Class 52 Rating, Deduct	*-3,021.86*	
		For Class 54 Rating, Add	*4,143.03*	
		For Class 55 Rating, Add	*6,170.77*	
		For Class 56 Rating, Add	*8,171.03*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,981.72	1,231.12
		For Class 52 Rating, Deduct	*-3,092.80*	
		For Class 54 Rating, Add	*4,239.84*	
		For Class 55 Rating, Add	*6,314.72*	
		For Class 56 Rating, Add	*8,361.48*	
40 05 19 00-3478		**30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-3082)*		
40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,808.50	1,465.97
		For Class 52 Rating, Deduct	*-834.61*	
		For Class 54 Rating, Add	*1,164.76*	
		For Class 55 Rating, Add	*1,745.29*	
		For Class 56 Rating, Add	*2,318.23*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,738.74	1,469.51
		For Class 52 Rating, Deduct	*-936.34*	
		For Class 54 Rating, Add	*1,303.55*	
		For Class 55 Rating, Add	*1,951.66*	
		For Class 56 Rating, Add	*2,591.25*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,668.97	1,473.08
		For Class 52 Rating, Deduct	*-1,038.07*	
		For Class 54 Rating, Add	*1,442.34*	
		For Class 55 Rating, Add	*2,158.02*	
		For Class 56 Rating, Add	*2,864.27*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,599.20	1,476.64
		For Class 52 Rating, Deduct	*-1,139.81*	
		For Class 54 Rating, Add	*1,581.13*	
		For Class 55 Rating, Add	*2,364.39*	
		For Class 56 Rating, Add	*3,137.30*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,529.43	1,480.20
		For Class 52 Rating, Deduct	*-1,241.54*	
		For Class 54 Rating, Add	*1,719.92*	
		For Class 55 Rating, Add	*2,570.76*	
		For Class 56 Rating, Add	*3,410.32*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,459.66	1,483.75
		For Class 52 Rating, Deduct	*-1,343.27*	
		For Class 54 Rating, Add	*1,858.71*	
		For Class 55 Rating, Add	*2,777.13*	
		For Class 56 Rating, Add	*3,683.34*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,389.90	1,487.31
		For Class 52 Rating, Deduct	*-1,445.00*	
		For Class 54 Rating, Add	*1,997.50*	
		For Class 55 Rating, Add	*2,983.50*	
		For Class 56 Rating, Add	*3,956.36*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,320.12	1,490.87
		For Class 52 Rating, Deduct	*-1,546.74*	
		For Class 54 Rating, Add	*2,136.29*	
		For Class 55 Rating, Add	*3,189.87*	
		For Class 56 Rating, Add	*4,229.38*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,250.35	1,494.42
		For Class 52 Rating, Deduct	*-1,648.47*	
		For Class 54 Rating, Add	*2,275.08*	
		For Class 55 Rating, Add	*3,396.24*	
		For Class 56 Rating, Add	*4,502.40*	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,180.60	1,497.98
		For Class 52 Rating, Deduct	*-1,750.20*	
		For Class 54 Rating, Add	*2,413.87*	
		For Class 55 Rating, Add	*3,602.61*	
		For Class 56 Rating, Add	*4,775.43*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,110.83	1,501.55
		For Class 52 Rating, Deduct	*-1,851.93*	
		For Class 54 Rating, Add	*2,552.66*	
		For Class 55 Rating, Add	*3,808.98*	
		For Class 56 Rating, Add	*5,048.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,041.06	1,505.11
		For Class 52 Rating, Deduct	*-1,953.67*	
		For Class 54 Rating, Add	*2,691.46*	
		For Class 55 Rating, Add	*4,015.34*	
		For Class 56 Rating, Add	*5,321.47*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,971.29	1,508.66
		For Class 52 Rating, Deduct	*-2,055.40*	
		For Class 54 Rating, Add	*2,830.25*	
		For Class 55 Rating, Add	*4,221.71*	
		For Class 56 Rating, Add	*5,594.50*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,901.52	1,512.22
		For Class 52 Rating, Deduct	*-2,157.13*	
		For Class 54 Rating, Add	*2,969.04*	
		For Class 55 Rating, Add	*4,428.08*	
		For Class 56 Rating, Add	*5,867.52*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,831.75	1,515.78
		For Class 52 Rating, Deduct	*-2,258.86*	
		For Class 54 Rating, Add	*3,107.83*	
		For Class 55 Rating, Add	*4,634.45*	
		For Class 56 Rating, Add	*6,140.54*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,761.98	1,519.33
		For Class 52 Rating, Deduct	*-2,360.60*	
		For Class 54 Rating, Add	*3,246.62*	
		For Class 55 Rating, Add	*4,840.82*	
		For Class 56 Rating, Add	*6,413.56*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,692.22	1,522.89
		For Class 52 Rating, Deduct	*-2,462.33*	
		For Class 54 Rating, Add	*3,385.41*	
		For Class 55 Rating, Add	*5,047.19*	
		For Class 56 Rating, Add	*6,686.58*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,622.45	1,526.46
		For Class 52 Rating, Deduct	*-2,564.06*	
		For Class 54 Rating, Add	*3,524.20*	
		For Class 55 Rating, Add	*5,253.56*	
		For Class 56 Rating, Add	*6,959.60*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,552.67	1,530.01
		For Class 52 Rating, Deduct	*-2,665.79*	
		For Class 54 Rating, Add	*3,662.99*	
		For Class 55 Rating, Add	*5,459.93*	
		For Class 56 Rating, Add	*7,232.63*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,482.91	1,533.57
		For Class 52 Rating, Deduct	*-2,767.53*	
		For Class 54 Rating, Add	*3,801.78*	
		For Class 55 Rating, Add	*5,666.29*	
		For Class 56 Rating, Add	*7,505.65*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,413.15	1,537.12
		For Class 52 Rating, Deduct	*-2,869.26*	
		For Class 54 Rating, Add	*3,940.57*	
		For Class 55 Rating, Add	*5,872.67*	
		For Class 56 Rating, Add	*7,778.67*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,343.38	1,540.69
		For Class 52 Rating, Deduct	*-2,970.99*	
		For Class 54 Rating, Add	*4,079.36*	
		For Class 55 Rating, Add	*6,079.03*	
		For Class 56 Rating, Add	*8,051.70*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,273.61	1,544.23
		For Class 52 Rating, Deduct	*-3,072.72*	
		For Class 54 Rating, Add	*4,218.15*	
		For Class 55 Rating, Add	*6,285.40*	
		For Class 56 Rating, Add	*8,324.72*	
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,203.84	1,547.80
		For Class 52 Rating, Deduct	*-3,174.46*	
		For Class 54 Rating, Add	*4,356.95*	
		For Class 55 Rating, Add	*6,491.77*	
		For Class 56 Rating, Add	*8,597.74*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,134.08	1,551.36
		For Class 52 Rating, Deduct	*-3,276.19*	
		For Class 54 Rating, Add	*4,495.74*	
		For Class 55 Rating, Add	*6,698.14*	
		For Class 56 Rating, Add	*8,870.76*	
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,064.30	1,554.92
		For Class 52 Rating, Deduct	*-3,377.92*	
		For Class 54 Rating, Add	*4,634.53*	
		For Class 55 Rating, Add	*6,904.51*	
		For Class 56 Rating, Add	*9,143.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,994.54	1,558.47
		For Class 52 Rating, Deduct	*-3,479.65*	
		For Class 54 Rating, Add	*4,773.32*	
		For Class 55 Rating, Add	*7,110.88*	
		For Class 56 Rating, Add	*9,416.80*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,924.77	1,562.03
		For Class 52 Rating, Deduct	*-3,581.39*	
		For Class 54 Rating, Add	*4,912.11*	
		For Class 55 Rating, Add	*7,317.25*	
		For Class 56 Rating, Add	*9,689.83*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,854.99	1,565.60
		For Class 52 Rating, Deduct	*-3,683.12*	
		For Class 54 Rating, Add	*5,050.90*	
		For Class 55 Rating, Add	*7,523.61*	
		For Class 56 Rating, Add	*9,962.85*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,785.23	1,569.16
		For Class 52 Rating, Deduct	*-3,784.85*	
		For Class 54 Rating, Add	*5,189.69*	
		For Class 55 Rating, Add	*7,729.98*	
		For Class 56 Rating, Add	*10,235.87*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,715.47	1,572.71
		For Class 52 Rating, Deduct	*-3,886.58*	
		For Class 54 Rating, Add	*5,328.48*	
		For Class 55 Rating, Add	*7,936.35*	
		For Class 56 Rating, Add	*10,508.90*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,645.71	1,576.26
		For Class 52 Rating, Deduct	*-3,988.32*	
		For Class 54 Rating, Add	*5,467.27*	
		For Class 55 Rating, Add	*8,142.72*	
		For Class 56 Rating, Add	*10,781.92*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,575.93	1,579.83
		For Class 52 Rating, Deduct	*-4,090.05*	
		For Class 54 Rating, Add	*5,606.06*	
		For Class 55 Rating, Add	*8,349.09*	
		For Class 56 Rating, Add	*11,054.94*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,506.16	1,583.37
		For Class 52 Rating, Deduct	*-4,191.78*	
		For Class 54 Rating, Add	*5,744.85*	
		For Class 55 Rating, Add	*8,555.46*	
		For Class 56 Rating, Add	*11,327.96*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,436.40	1,586.94
		For Class 52 Rating, Deduct	*-4,293.51*	
		For Class 54 Rating, Add	*5,883.64*	
		For Class 55 Rating, Add	*8,761.83*	
		For Class 56 Rating, Add	*11,600.98*	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,263.38	1,857.36
		For Class 52 Rating, Deduct	*-1,039.41*	
		For Class 54 Rating, Add	*1,451.15*	
		For Class 55 Rating, Add	*2,174.71*	
		For Class 56 Rating, Add	*2,888.82*	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,510.01	1,860.93
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,637.40*	
		For Class 55 Rating, Add	*2,451.64*	
		For Class 56 Rating, Add	*3,255.18*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,756.64	1,864.47
		For Class 52 Rating, Deduct	*-1,312.48*	
		For Class 54 Rating, Add	*1,823.65*	
		For Class 55 Rating, Add	*2,728.56*	
		For Class 56 Rating, Add	*3,621.54*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,003.25	1,868.04
		For Class 52 Rating, Deduct	*-1,449.02*	
		For Class 54 Rating, Add	*2,009.90*	
		For Class 55 Rating, Add	*3,005.49*	
		For Class 56 Rating, Add	*3,987.90*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,249.88	1,871.60
		For Class 52 Rating, Deduct	*-1,585.55*	
		For Class 54 Rating, Add	*2,196.15*	
		For Class 55 Rating, Add	*3,282.41*	
		For Class 56 Rating, Add	*4,354.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,496.51	1,875.15
		For Class 52 Rating, Deduct	*-1,722.09*	
		For Class 54 Rating, Add	*2,382.40*	
		For Class 55 Rating, Add	*3,559.33*	
		For Class 56 Rating, Add	*4,720.62*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,743.13	1,878.71
		For Class 52 Rating, Deduct	*-1,858.63*	
		For Class 54 Rating, Add	*2,568.65*	
		For Class 55 Rating, Add	*3,836.26*	
		For Class 56 Rating, Add	*5,086.97*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,989.75	1,882.27
		For Class 52 Rating, Deduct	*-1,995.16*	
		For Class 54 Rating, Add	*2,754.90*	
		For Class 55 Rating, Add	*4,113.18*	
		For Class 56 Rating, Add	*5,453.33*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,236.38	1,885.84
		For Class 52 Rating, Deduct	*-2,131.70*	
		For Class 54 Rating, Add	*2,941.15*	
		For Class 55 Rating, Add	*4,390.11*	
		For Class 56 Rating, Add	*5,819.69*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,483.01	1,889.38
		For Class 52 Rating, Deduct	*-2,268.23*	
		For Class 54 Rating, Add	*3,127.40*	
		For Class 55 Rating, Add	*4,667.03*	
		For Class 56 Rating, Add	*6,186.05*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,729.63	1,892.95
		For Class 52 Rating, Deduct	*-2,404.77*	
		For Class 54 Rating, Add	*3,313.65*	
		For Class 55 Rating, Add	*4,943.96*	
		For Class 56 Rating, Add	*6,552.41*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,976.25	1,896.50
		For Class 52 Rating, Deduct	*-2,541.30*	
		For Class 54 Rating, Add	*3,499.90*	
		For Class 55 Rating, Add	*5,220.88*	
		For Class 56 Rating, Add	*6,918.76*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,222.88	1,900.05
		For Class 52 Rating, Deduct	*-2,677.84*	
		For Class 54 Rating, Add	*3,686.15*	
		For Class 55 Rating, Add	*5,497.81*	
		For Class 56 Rating, Add	*7,285.12*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,469.51	1,903.61
		For Class 52 Rating, Deduct	*-2,814.38*	
		For Class 54 Rating, Add	*3,872.40*	
		For Class 55 Rating, Add	*5,774.73*	
		For Class 56 Rating, Add	*7,651.48*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,716.13	1,907.18
		For Class 52 Rating, Deduct	*-2,950.91*	
		For Class 54 Rating, Add	*4,058.65*	
		For Class 55 Rating, Add	*6,051.65*	
		For Class 56 Rating, Add	*8,017.84*	
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,962.76	1,910.74
		For Class 52 Rating, Deduct	*-3,087.45*	
		For Class 54 Rating, Add	*4,244.90*	
		For Class 55 Rating, Add	*6,328.58*	
		For Class 56 Rating, Add	*8,384.20*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,209.38	1,914.29
		For Class 52 Rating, Deduct	*-3,223.98*	
		For Class 54 Rating, Add	*4,431.15*	
		For Class 55 Rating, Add	*6,605.50*	
		For Class 56 Rating, Add	*8,750.55*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,456.00	1,917.84
		For Class 52 Rating, Deduct	*-3,360.52*	
		For Class 54 Rating, Add	*4,617.40*	
		For Class 55 Rating, Add	*6,882.43*	
		For Class 56 Rating, Add	*9,116.91*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,702.63	1,921.41
		For Class 52 Rating, Deduct	*-3,497.06*	
		For Class 54 Rating, Add	*4,803.65*	
		For Class 55 Rating, Add	*7,159.35*	
		For Class 56 Rating, Add	*9,483.27*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,949.26	1,924.98
		For Class 52 Rating, Deduct	*-3,633.59*	
		For Class 54 Rating, Add	*4,989.90*	
		For Class 55 Rating, Add	*7,436.28*	
		For Class 56 Rating, Add	*9,849.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,195.89	1,928.52
		For Class 52 Rating, Deduct	*-3,770.13*	
		For Class 54 Rating, Add	*5,176.15*	
		For Class 55 Rating, Add	*7,713.20*	
		For Class 56 Rating, Add	*10,215.99*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,442.50	1,932.09
		For Class 52 Rating, Deduct	*-3,906.66*	
		For Class 54 Rating, Add	*5,362.40*	
		For Class 55 Rating, Add	*7,990.13*	
		For Class 56 Rating, Add	*10,582.34*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,689.13	1,935.64
		For Class 52 Rating, Deduct	*-4,043.20*	
		For Class 54 Rating, Add	*5,548.64*	
		For Class 55 Rating, Add	*8,267.05*	
		For Class 56 Rating, Add	*10,948.70*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,935.76	1,939.20
		For Class 52 Rating, Deduct	*-4,179.73*	
		For Class 54 Rating, Add	*5,734.90*	
		For Class 55 Rating, Add	*8,543.98*	
		For Class 56 Rating, Add	*11,315.06*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,182.38	1,942.75
		For Class 52 Rating, Deduct	*-4,316.27*	
		For Class 54 Rating, Add	*5,921.14*	
		For Class 55 Rating, Add	*8,820.90*	
		For Class 56 Rating, Add	*11,681.42*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,429.01	1,946.32
		For Class 52 Rating, Deduct	*-4,452.81*	
		For Class 54 Rating, Add	*6,107.40*	
		For Class 55 Rating, Add	*9,097.83*	
		For Class 56 Rating, Add	*12,047.78*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,675.63	1,949.88
		For Class 52 Rating, Deduct	*-4,589.34*	
		For Class 54 Rating, Add	*6,293.64*	
		For Class 55 Rating, Add	*9,374.75*	
		For Class 56 Rating, Add	*12,414.13*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,922.26	1,953.43
		For Class 52 Rating, Deduct	*-4,725.88*	
		For Class 54 Rating, Add	*6,479.89*	
		For Class 55 Rating, Add	*9,651.67*	
		For Class 56 Rating, Add	*12,780.49*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,168.88	1,956.99
		For Class 52 Rating, Deduct	*-4,862.41*	
		For Class 54 Rating, Add	*6,666.14*	
		For Class 55 Rating, Add	*9,928.60*	
		For Class 56 Rating, Add	*13,146.85*	
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,415.51	1,960.55
		For Class 52 Rating, Deduct	*-4,998.95*	
		For Class 54 Rating, Add	*6,852.39*	
		For Class 55 Rating, Add	*10,205.52*	
		For Class 56 Rating, Add	*13,513.21*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,662.14	1,964.10
		For Class 52 Rating, Deduct	*-5,135.48*	
		For Class 54 Rating, Add	*7,038.64*	
		For Class 55 Rating, Add	*10,482.45*	
		For Class 56 Rating, Add	*13,879.57*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,908.76	1,967.66
		For Class 52 Rating, Deduct	*-5,272.02*	
		For Class 54 Rating, Add	*7,224.89*	
		For Class 55 Rating, Add	*10,759.37*	
		For Class 56 Rating, Add	*14,245.92*	
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,155.38	1,971.22
		For Class 52 Rating, Deduct	*-5,408.55*	
		For Class 54 Rating, Add	*7,411.14*	
		For Class 55 Rating, Add	*11,036.30*	
		For Class 56 Rating, Add	*14,612.28*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,402.01	1,974.79
		For Class 52 Rating, Deduct	*-5,545.09*	
		For Class 54 Rating, Add	*7,597.39*	
		For Class 55 Rating, Add	*11,313.22*	
		For Class 56 Rating, Add	*14,978.64*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,648.64	1,978.33
		For Class 52 Rating, Deduct	*-5,681.63*	
		For Class 54 Rating, Add	*7,783.64*	
		For Class 55 Rating, Add	*11,590.15*	
		For Class 56 Rating, Add	*15,345.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3550		42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,215.27	2,341.28
		For Class 52 Rating, Deduct	*-1,393.47*	
		For Class 54 Rating, Add	*1,942.75*	
		For Class 55 Rating, Add	*2,910.08*	
		For Class 56 Rating, Add	*3,864.73*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,052.10	2,344.82
		For Class 52 Rating, Deduct	*-1,594.93*	
		For Class 54 Rating, Add	*2,217.53*	
		For Class 55 Rating, Add	*3,318.62*	
		For Class 56 Rating, Add	*4,405.20*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,873.69	2,348.39
		For Class 52 Rating, Deduct	*-1,794.71*	
		For Class 54 Rating, Add	*2,490.03*	
		For Class 55 Rating, Add	*3,723.76*	
		For Class 56 Rating, Add	*4,941.18*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,713.56	2,351.94
		For Class 52 Rating, Deduct	*-1,996.50*	
		For Class 54 Rating, Add	*2,765.26*	
		For Class 55 Rating, Add	*4,132.98*	
		For Class 56 Rating, Add	*5,482.54*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,541.26	2,355.51
		For Class 52 Rating, Deduct	*-2,196.95*	
		For Class 54 Rating, Add	*3,038.67*	
		For Class 55 Rating, Add	*4,539.48*	
		For Class 56 Rating, Add	*6,020.31*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,387.19	2,359.05
		For Class 52 Rating, Deduct	*-2,399.41*	
		For Class 54 Rating, Add	*3,314.82*	
		For Class 55 Rating, Add	*4,950.05*	
		For Class 56 Rating, Add	*6,563.47*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,214.89	2,362.62
		For Class 52 Rating, Deduct	*-2,599.87*	
		For Class 54 Rating, Add	*3,588.23*	
		For Class 55 Rating, Add	*5,356.55*	
		For Class 56 Rating, Add	*7,101.24*	
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,063.88	2,366.19
		For Class 52 Rating, Deduct	*-2,802.66*	
		For Class 54 Rating, Add	*3,864.84*	
		For Class 55 Rating, Add	*5,767.81*	
		For Class 56 Rating, Add	*7,645.30*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,894.62	2,369.74
		For Class 52 Rating, Deduct	*-3,003.45*	
		For Class 54 Rating, Add	*4,138.70*	
		For Class 55 Rating, Add	*6,174.99*	
		For Class 56 Rating, Add	*8,183.97*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,746.64	2,373.29
		For Class 52 Rating, Deduct	*-3,206.58*	
		For Class 54 Rating, Add	*4,415.76*	
		For Class 55 Rating, Add	*6,586.92*	
		For Class 56 Rating, Add	*8,728.92*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,577.38	2,376.85
		For Class 52 Rating, Deduct	*-3,407.37*	
		For Class 54 Rating, Add	*4,689.63*	
		For Class 55 Rating, Add	*6,994.10*	
		For Class 56 Rating, Add	*9,267.59*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,429.42	2,380.42
		For Class 52 Rating, Deduct	*-3,610.50*	
		For Class 54 Rating, Add	*4,966.69*	
		For Class 55 Rating, Add	*7,406.03*	
		For Class 56 Rating, Add	*9,812.55*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,263.18	2,383.96
		For Class 52 Rating, Deduct	*-3,811.62*	
		For Class 54 Rating, Add	*5,241.01*	
		For Class 55 Rating, Add	*7,813.89*	
		For Class 56 Rating, Add	*10,352.11*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,100.00	2,387.53
		For Class 52 Rating, Deduct	*-4,013.08*	
		For Class 54 Rating, Add	*5,515.79*	
		For Class 55 Rating, Add	*8,222.43*	
		For Class 56 Rating, Add	*10,892.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,949.00	2,391.08
		For Class 52 Rating, Deduct	*-4,215.88*	
		For Class 54 Rating, Add	*5,792.40*	
		For Class 55 Rating, Add	*8,633.68*	
		For Class 56 Rating, Add	*11,436.63*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,782.78	2,394.65
		For Class 52 Rating, Deduct	*-4,417.00*	
		For Class 54 Rating, Add	*6,066.72*	
		For Class 55 Rating, Add	*9,041.54*	
		For Class 56 Rating, Add	*11,976.20*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,637.85	2,398.19
		For Class 52 Rating, Deduct	*-4,620.46*	
		For Class 54 Rating, Add	*6,344.24*	
		For Class 55 Rating, Add	*9,454.15*	
		For Class 56 Rating, Add	*12,522.05*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,474.67	2,401.76
		For Class 52 Rating, Deduct	*-4,821.92*	
		For Class 54 Rating, Add	*6,619.01*	
		For Class 55 Rating, Add	*9,862.68*	
		For Class 56 Rating, Add	*13,062.52*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,326.70	2,405.32
		For Class 52 Rating, Deduct	*-5,025.05*	
		For Class 54 Rating, Add	*6,896.08*	
		For Class 55 Rating, Add	*10,274.61*	
		For Class 56 Rating, Add	*13,607.47*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,163.51	2,408.87
		For Class 52 Rating, Deduct	*-5,226.51*	
		For Class 54 Rating, Add	*7,170.85*	
		For Class 55 Rating, Add	*10,683.15*	
		For Class 56 Rating, Add	*14,147.93*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,018.59	2,412.44
		For Class 52 Rating, Deduct	*-5,429.97*	
		For Class 54 Rating, Add	*7,448.37*	
		For Class 55 Rating, Add	*11,095.76*	
		For Class 56 Rating, Add	*14,693.79*	
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,855.41	2,415.99
		For Class 52 Rating, Deduct	*-5,631.43*	
		For Class 54 Rating, Add	*7,723.15*	
		For Class 55 Rating, Add	*11,504.30*	
		For Class 56 Rating, Add	*15,234.25*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,710.49	2,419.56
		For Class 52 Rating, Deduct	*-5,834.90*	
		For Class 54 Rating, Add	*8,000.67*	
		For Class 55 Rating, Add	*11,916.91*	
		For Class 56 Rating, Add	*15,780.10*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,544.25	2,423.10
		For Class 52 Rating, Deduct	*-6,036.02*	
		For Class 54 Rating, Add	*8,274.99*	
		For Class 55 Rating, Add	*12,324.77*	
		For Class 56 Rating, Add	*16,319.67*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,402.38	2,426.67
		For Class 52 Rating, Deduct	*-6,239.82*	
		For Class 54 Rating, Add	*8,552.96*	
		For Class 55 Rating, Add	*12,738.05*	
		For Class 56 Rating, Add	*16,866.42*	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,239.20	2,430.23
		For Class 52 Rating, Deduct	*-6,441.27*	
		For Class 54 Rating, Add	*8,827.74*	
		For Class 55 Rating, Add	*13,146.59*	
		For Class 56 Rating, Add	*17,406.88*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,091.23	2,433.78
		For Class 52 Rating, Deduct	*-6,644.40*	
		For Class 54 Rating, Add	*9,104.80*	
		For Class 55 Rating, Add	*13,558.52*	
		For Class 56 Rating, Add	*17,951.84*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,931.09	2,437.34
		For Class 52 Rating, Deduct	*-6,846.20*	
		For Class 54 Rating, Add	*9,380.04*	
		For Class 55 Rating, Add	*13,967.74*	
		For Class 56 Rating, Add	*18,493.20*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,408.92	2,440.90
		For Class 52 Rating, Deduct	*-7,008.16*	
		For Class 54 Rating, Add	*9,600.97*	
		For Class 55 Rating, Add	*14,296.22*	
		For Class 56 Rating, Add	*18,927.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,622.99	2,444.46
		For Class 52 Rating, Deduct	*-7,251.12*	
		For Class 54 Rating, Add	*9,932.33*	
		For Class 55 Rating, Add	*14,788.88*	
		For Class 56 Rating, Add	*19,579.52*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,456.75	2,448.01
		For Class 52 Rating, Deduct	*-7,452.24*	
		For Class 54 Rating, Add	*10,206.66*	
		For Class 55 Rating, Add	*15,196.74*	
		For Class 56 Rating, Add	*20,119.08*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,311.83	2,451.57
		For Class 52 Rating, Deduct	*-7,655.71*	
		For Class 54 Rating, Add	*10,484.17*	
		For Class 55 Rating, Add	*15,609.35*	
		For Class 56 Rating, Add	*20,664.93*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,148.65	2,455.14
		For Class 52 Rating, Deduct	*-7,857.16*	
		For Class 54 Rating, Add	*10,758.95*	
		For Class 55 Rating, Add	*16,017.89*	
		For Class 56 Rating, Add	*21,205.40*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,006.76	2,458.70
		For Class 52 Rating, Deduct	*-8,060.96*	
		For Class 54 Rating, Add	*11,036.93*	
		For Class 55 Rating, Add	*16,431.18*	
		For Class 56 Rating, Add	*21,752.15*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,840.54	2,462.25
		For Class 52 Rating, Deduct	*-8,262.08*	
		For Class 54 Rating, Add	*11,311.25*	
		For Class 55 Rating, Add	*16,839.04*	
		For Class 56 Rating, Add	*22,291.71*	

40 05 19 00-3586 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,932.22	2,942.60
		For Class 52 Rating, Deduct	*-1,812.11*	
		For Class 54 Rating, Add	*2,524.56*	
		For Class 55 Rating, Add	*3,780.65*	
		For Class 56 Rating, Add	*5,020.26*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,572.19	2,946.16
		For Class 52 Rating, Deduct	*-2,101.91*	
		For Class 54 Rating, Add	*2,919.81*	
		For Class 55 Rating, Add	*4,368.29*	
		For Class 56 Rating, Add	*5,797.65*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,221.28	2,949.72
		For Class 52 Rating, Deduct	*-2,392.72*	
		For Class 54 Rating, Add	*3,316.43*	
		For Class 55 Rating, Add	*4,957.96*	
		For Class 56 Rating, Add	*6,577.74*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,897.76	2,953.29
		For Class 52 Rating, Deduct	*-2,686.54*	
		For Class 54 Rating, Add	*3,717.16*	
		For Class 55 Rating, Add	*5,553.74*	
		For Class 56 Rating, Add	*7,365.90*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,568.15	2,956.83
		For Class 52 Rating, Deduct	*-2,979.69*	
		For Class 54 Rating, Add	*4,116.98*	
		For Class 55 Rating, Add	*6,148.17*	
		For Class 56 Rating, Add	*8,152.27*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,241.60	2,960.39
		For Class 52 Rating, Deduct	*-3,273.18*	
		For Class 54 Rating, Add	*4,517.25*	
		For Class 55 Rating, Add	*6,743.27*	
		For Class 56 Rating, Add	*8,939.54*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,933.28	2,963.95
		For Class 52 Rating, Deduct	*-3,568.67*	
		For Class 54 Rating, Add	*4,920.26*	
		For Class 55 Rating, Add	*7,342.45*	
		For Class 56 Rating, Add	*9,732.19*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,618.88	2,967.50
		For Class 52 Rating, Deduct	*-3,863.49*	
		For Class 54 Rating, Add	*5,322.35*	
		For Class 55 Rating, Add	*7,940.26*	
		For Class 56 Rating, Add	*10,523.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,298.41	2,971.06
		For Class 52 Rating, Deduct	*-4,157.65*	
		For Class 54 Rating, Add	*5,723.54*	
		For Class 55 Rating, Add	*8,536.72*	
		For Class 56 Rating, Add	*11,312.11*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,002.26	2,974.63
		For Class 52 Rating, Deduct	*-4,454.48*	
		For Class 54 Rating, Add	*6,128.37*	
		For Class 55 Rating, Add	*9,138.61*	
		For Class 56 Rating, Add	*12,108.35*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,693.95	2,978.18
		For Class 52 Rating, Deduct	*-4,749.97*	
		For Class 54 Rating, Add	*6,531.38*	
		For Class 55 Rating, Add	*9,737.78*	
		For Class 56 Rating, Add	*12,901.00*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,400.85	2,981.74
		For Class 52 Rating, Deduct	*-5,047.14*	
		For Class 54 Rating, Add	*6,936.67*	
		For Class 55 Rating, Add	*10,340.35*	
		For Class 56 Rating, Add	*13,698.14*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,089.50	2,985.29
		For Class 52 Rating, Deduct	*-5,342.30*	
		For Class 54 Rating, Add	*7,339.23*	
		For Class 55 Rating, Add	*10,938.85*	
		For Class 56 Rating, Add	*14,489.90*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,784.23	2,988.86
		For Class 52 Rating, Deduct	*-5,638.12*	
		For Class 54 Rating, Add	*7,742.69*	
		For Class 55 Rating, Add	*11,538.70*	
		For Class 56 Rating, Add	*15,283.45*	
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,494.17	2,992.43
		For Class 52 Rating, Deduct	*-5,935.62*	
		For Class 54 Rating, Add	*8,148.44*	
		For Class 55 Rating, Add	*12,141.94*	
		For Class 56 Rating, Add	*16,081.48*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,188.91	2,995.97
		For Class 52 Rating, Deduct	*-6,231.45*	
		For Class 54 Rating, Add	*8,551.90*	
		For Class 55 Rating, Add	*12,741.79*	
		For Class 56 Rating, Add	*16,875.03*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,883.63	2,999.54
		For Class 52 Rating, Deduct	*-6,527.28*	
		For Class 54 Rating, Add	*8,955.37*	
		For Class 55 Rating, Add	*13,341.65*	
		For Class 56 Rating, Add	*17,668.58*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,596.61	3,003.09
		For Class 52 Rating, Deduct	*-6,825.11*	
		For Class 54 Rating, Add	*9,361.57*	
		For Class 55 Rating, Add	*13,945.57*	
		For Class 56 Rating, Add	*18,467.52*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,294.40	3,006.65
		For Class 52 Rating, Deduct	*-7,121.28*	
		For Class 54 Rating, Add	*9,765.50*	
		For Class 55 Rating, Add	*14,546.10*	
		For Class 56 Rating, Add	*19,261.97*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,989.13	3,010.20
		For Class 52 Rating, Deduct	*-7,417.10*	
		For Class 54 Rating, Add	*10,168.96*	
		For Class 55 Rating, Add	*15,145.95*	
		For Class 56 Rating, Add	*20,055.52*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,708.20	3,013.77
		For Class 52 Rating, Deduct	*-7,715.61*	
		For Class 54 Rating, Add	*10,576.08*	
		For Class 55 Rating, Add	*15,751.23*	
		For Class 56 Rating, Add	*20,856.24*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,409.01	3,017.33
		For Class 52 Rating, Deduct	*-8,012.10*	
		For Class 54 Rating, Add	*10,980.46*	
		For Class 55 Rating, Add	*16,352.44*	
		For Class 56 Rating, Add	*21,651.59*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,106.78	3,020.88
		For Class 52 Rating, Deduct	*-8,308.27*	
		For Class 54 Rating, Add	*11,384.38*	
		For Class 55 Rating, Add	*16,952.97*	
		For Class 56 Rating, Add	*22,446.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,822.81	3,024.44
		For Class 52 Rating, Deduct	*-8,606.44*	
		For Class 54 Rating, Add	*11,791.04*	
		For Class 55 Rating, Add	*17,557.57*	
		For Class 56 Rating, Add	*23,245.87*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,523.62	3,028.00
		For Class 52 Rating, Deduct	*-8,902.93*	
		For Class 54 Rating, Add	*12,195.42*	
		For Class 55 Rating, Add	*18,158.78*	
		For Class 56 Rating, Add	*24,041.21*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,221.41	3,031.55
		For Class 52 Rating, Deduct	*-9,199.10*	
		For Class 54 Rating, Add	*12,599.34*	
		For Class 55 Rating, Add	*18,759.31*	
		For Class 56 Rating, Add	*24,835.66*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,940.47	3,035.11
		For Class 52 Rating, Deduct	*-9,497.60*	
		For Class 54 Rating, Add	*13,006.46*	
		For Class 55 Rating, Add	*19,364.59*	
		For Class 56 Rating, Add	*25,636.39*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,641.28	3,038.67
		For Class 52 Rating, Deduct	*-9,794.10*	
		For Class 54 Rating, Add	*13,410.83*	
		For Class 55 Rating, Add	*19,965.80*	
		For Class 56 Rating, Add	*26,431.73*	
40 05 19 00-3615	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,022.67	3,042.24
		For Class 52 Rating, Deduct	*-10,055.46*	
		For Class 54 Rating, Add	*13,767.30*	
		For Class 55 Rating, Add	*20,495.78*	
		For Class 56 Rating, Add	*27,132.84*	
40 05 19 00-3616	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,064.21	3,045.78
		For Class 52 Rating, Deduct	*-10,389.43*	
		For Class 54 Rating, Add	*14,222.78*	
		For Class 55 Rating, Add	*21,172.97*	
		For Class 56 Rating, Add	*28,028.70*	
40 05 19 00-3617	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,761.99	3,049.35
		For Class 52 Rating, Deduct	*-10,685.59*	
		For Class 54 Rating, Add	*14,626.71*	
		For Class 55 Rating, Add	*21,773.50*	
		For Class 56 Rating, Add	*28,823.15*	
40 05 19 00-3618	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,487.14	3,052.91
		For Class 52 Rating, Deduct	*-10,984.77*	
		For Class 54 Rating, Add	*15,034.74*	
		For Class 55 Rating, Add	*22,380.14*	
		For Class 56 Rating, Add	*29,625.67*	
40 05 19 00-3619	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	107,184.91	3,056.45
		For Class 52 Rating, Deduct	*-11,280.93*	
		For Class 54 Rating, Add	*15,438.66*	
		For Class 55 Rating, Add	*22,980.67*	
		For Class 56 Rating, Add	*30,420.12*	
40 05 19 00-3620	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	109,882.69	3,060.02
		For Class 52 Rating, Deduct	*-11,577.09*	
		For Class 54 Rating, Add	*15,842.58*	
		For Class 55 Rating, Add	*23,581.20*	
		For Class 56 Rating, Add	*31,214.57*	
40 05 19 00-3621	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	112,607.84	3,063.58
		For Class 52 Rating, Deduct	*-11,876.27*	
		For Class 54 Rating, Add	*16,250.61*	
		For Class 55 Rating, Add	*24,187.83*	
		For Class 56 Rating, Add	*32,017.09*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	859.72	171.66
40 05 19 00-3624	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,251.35	219.53
40 05 19 00-3625	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,770.82	248.65
40 05 19 00-3626	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,520.03	315.24
40 05 19 00-3627	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,129.68	349.57
40 05 19 00-3628	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,827.08	379.74
40 05 19 00-3629	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,700.09	468.18
40 05 19 00-3630	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,890.04	561.81
40 05 19 00-3631	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,204.15	707.47
40 05 19 00-3632	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,659.86	801.11
40 05 19 00-3633	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,500.90	1,061.21
40 05 19 00-3634	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,382.77	1,201.66
40 05 19 00-3635	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	41,455.65	1,373.33
40 05 19 00-3636	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	54,811.10	1,685.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3637		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	821.09	171.66
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,187.53	219.53
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,612.94	248.65
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,294.97	315.24
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,839.11	349.57
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,301.36	379.74
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,058.48	468.18
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,157.73	561.81
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,486.96	707.47
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,488.14	801.11
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	16,116.27	1,061.21
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	23,868.81	1,201.66
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,983.52	1,373.33
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	48,618.42	1,685.45
40 05 19 00-3652		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	819.41	171.66
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,165.69	219.53
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,599.50	248.65
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,242.90	315.24
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,955.00	349.57
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,655.76	379.74
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,139.10	468.18
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,255.15	561.81
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,905.18	707.47
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,453.91	801.11
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	16,287.59	1,061.21
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	24,260.16	1,201.66
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,764.53	1,373.33
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,639.62	1,685.45
40 05 19 00-3667		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	884.91	171.66
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,288.30	219.53
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,649.89	248.65
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,422.62	315.24
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,289.24	349.57
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,741.42	379.74
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,500.22	468.18
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,255.15	561.81
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,905.18	707.47
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,796.55	801.11
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,455.55	1,061.21
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,431.48	1,201.66
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,944.25	1,373.33
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	50,002.41	1,685.45
40 05 19 00-3682		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,213.41	195.60
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,554.62	210.16
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,689.97	234.09
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,302.09	243.45
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,350.11	267.38
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,521.66	281.95
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,748.09	285.07
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,064.09	299.64
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,213.62	332.93
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,191.74	299.64
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,459.03	314.20
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,751.33	347.49
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,073.74	365.18
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,673.59	343.85
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,892.17	358.41
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,332.29	391.71
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,655.59	408.88
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,920.31	423.97
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,263.53	390.67
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,923.84	405.24
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,019.63	438.52
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,242.17	455.69
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,607.66	470.78
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,013.93	515.00
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,324.53	463.50
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,611.98	478.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,715.53	511.36
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,919.58	528.53
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,531.96	543.60
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,357.11	587.83
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,742.13	634.64
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,332.04	510.32
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,614.46	524.89
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,088.16	558.17
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,429.92	575.34
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,084.31	590.43
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,678.70	634.64
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,853.78	681.46
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,314.32	673.93
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,419.51	705.39
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,120.93	720.48
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,842.33	764.69
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,698.68	811.52
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,301.31	884.34
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,830.14	931.15
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,574.65	954.56
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,560.32	1,001.39
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,718.09	1,131.43
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,898.18	1,040.40
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,676.23	1,087.22
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,678.45	1,217.26
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,525.65	1,287.50
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,508.19	1,256.28
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,386.92	1,386.34
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,778.21	1,456.56
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,688.98	1,542.39

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,002.48	171.66
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,563.76	219.53
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,301.57	248.65
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,205.31	315.24
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,459.92	349.57
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,221.14	379.74
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,650.11	468.18
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,137.34	561.81
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,853.92	707.47
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,769.20	801.11
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	27,225.15	1,061.21
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	41,116.62	1,201.66
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	63,223.27	1,373.33

40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	2,058.74	195.60
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,445.37	210.16
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,259.55	234.09
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,646.99	243.45
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,030.06	267.38
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,170.27	281.95
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,365.98	285.07
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,438.54	299.64
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,488.98	332.93
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,605.72	314.20
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	12,221.57	347.49
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,956.01	365.18
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,736.45	358.41
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,641.38	391.71
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,604.28	408.88
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,495.80	423.97
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,429.95	455.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,536.37	470.78
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,686.95	515.00
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,794.13	543.60
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	24,267.12	587.83
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,744.02	634.64
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	36,096.08	590.43
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,891.44	634.64
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,690.74	681.46
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,573.69	673.93

40 05 19 00-3780 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-2073)*

40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,049.51	171.66
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,471.38	219.53
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,363.72	248.65
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,158.28	315.24
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,202.95	349.57
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,974.24	379.74
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,063.92	468.18
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,505.82	561.81
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,693.32	707.47
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,558.85	801.11
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,811.80	1,061.21
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,970.16	1,201.66
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	54,333.15	1,373.33
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	61,003.79	1,685.45

40 05 19 00-3795 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-2073)*

40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,306.24	275.70
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,686.26	339.17
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,407.92	378.70
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,394.35	492.11
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,508.52	536.84
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,006.06	577.42
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,518.49	728.27
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	8,076.91	832.32
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	10,161.45	1,050.80
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,873.65	1,160.04
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	24,368.21	1,602.21
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	34,341.95	1,836.30
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,957.81	2,122.41

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-2073)*

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,724.63	307.96
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,214.45	314.20
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,190.37	353.73
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,931.69	347.49
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,868.99	387.03
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,992.48	412.00
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,722.71	365.18
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,688.55	404.72
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,850.68	429.69
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,444.03	509.80
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,295.05	379.74
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,180.28	419.28
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,365.91	444.25
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,584.71	524.37
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,871.70	551.93
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,381.56	423.97
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,395.07	463.50
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,521.92	488.47
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,661.14	568.58
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,984.04	596.15
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,126.16	621.64
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,023.63	510.32
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,077.63	535.28
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,049.52	615.40
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,676.43	642.96
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,201.50	668.46
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,657.00	775.10
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,559.32	583.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,701.30	608.12
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,982.23	688.23
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,287.70	715.80
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,378.39	741.28
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,066.72	847.92
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,257.56	905.15
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,879.88	629.96
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,263.71	654.93
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,578.25	735.04
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,711.76	762.61
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,960.33	788.10
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,261.31	894.75
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,786.15	951.96
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,257.95	1,017.26
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,440.70	760.01
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,533.95	784.98
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,994.62	865.09
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,036.39	892.66
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,075.01	918.15
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,236.59	1,024.79
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,882.60	1,082.02
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,921.25	1,227.67
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,668.31	1,290.10
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,923.75	1,087.74
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,178.77	1,107.51
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,320.11	1,164.21
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,523.64	1,186.58
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,611.48	1,206.86
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,836.63	1,282.29
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,974.22	1,334.31
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,363.14	1,443.55
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,956.49	1,498.17
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	38,686.11	1,719.26
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,285.69	1,048.72
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,386.44	1,074.21
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,665.60	1,180.85
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,812.76	1,238.07
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,273.63	1,383.73
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,850.26	1,446.15
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,906.34	1,758.28
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	70,007.31	1,922.14
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,749.57	1,217.78
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,788.20	1,243.28
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,127.81	1,349.92
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,214.51	1,407.14
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,675.38	1,552.80
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	58,193.22	1,615.22
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	59,507.61	1,927.34

40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,403.66	275.70
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,970.11	339.17
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,888.29	378.70
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,304.69	492.11
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,771.58	536.84
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,498.18	577.42
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,969.66	728.27
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,620.46	832.32
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,635.50	1,050.80
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	18,101.84	1,160.04
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	29,904.18	1,602.21
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	42,471.22	1,836.30

40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,160.11	275.70
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,674.50	339.17
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,446.55	378.70
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,223.03	492.11
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,820.93	536.84
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,419.24	577.42

40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,497.47	379.74
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,076.30	411.48
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,164.82	458.81
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,652.58	418.24
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,836.90	473.38
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,905.61	508.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,460.52	451.53
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,740.57	506.68
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,039.39	542.04
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,864.92	668.98
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,494.29	468.70
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,675.26	523.85
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,974.07	559.21
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,849.98	686.14
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,507.78	724.11
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,606.78	538.92
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,905.59	574.30
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,437.18	701.23
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,938.14	739.20
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,234.38	775.10
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,676.49	583.14
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,022.34	618.52
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,555.61	745.44
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,103.59	783.42
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,045.22	819.32
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,001.99	988.38
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,021.21	629.96
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,367.06	665.33
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,802.91	792.27
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,350.89	830.23
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,478.54	866.13
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,176.43	1,035.19
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,569.46	1,102.83
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,004.31	702.79
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,373.65	738.16
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,775.93	865.09
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,359.18	903.07
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,521.06	938.96
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,566.00	1,108.03
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,982.54	1,175.65
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	14,050.92	1,394.14
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,849.94	749.60
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,116.84	784.98
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,675.32	911.91
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,048.62	949.88
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,260.89	985.78
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,884.87	1,154.84
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,724.45	1,222.47
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,615.63	1,360.59
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,328.64	1,518.98
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,164.97	1,079.94
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,274.78	1,115.82
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,923.96	1,284.90
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,142.32	1,352.52
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	23,091.46	1,571.00
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,692.94	1,649.03
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	33,315.51	2,143.22
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,593.43	1,373.85
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,639.94	1,404.53
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,191.44	1,542.39
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,396.87	1,604.81
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,179.98	1,786.88
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,188.32	1,857.11
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,888.52	2,260.27
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,817.20	2,470.94
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,897.81	1,440.95
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,062.41	1,508.57
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,967.87	1,727.06
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,043.47	1,805.09
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,291.82	2,299.28
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	80,529.16	2,556.78
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,764.33	1,896.12
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,839.93	1,974.16
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	63,311.97	2,468.34

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,047.13	195.60
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,379.94	210.16
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,469.94	234.09
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,830.12	243.45
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,829.43	267.38
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,049.69	281.95
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,322.17	261.14
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,363.46	285.07
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,528.30	299.64
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,750.06	332.93
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,850.78	299.64
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,069.36	314.20
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,287.76	347.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,200.35	365.18
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,383.02	343.85
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,233.77	358.41
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,494.17	391.71
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,903.13	408.88
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,381.16	423.97
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,090.76	405.24
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,386.42	438.52
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,350.30	455.69
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,873.68	470.78
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,838.21	515.00
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,980.45	478.06
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,292.90	511.36
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,174.48	528.53
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,817.09	543.60
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,492.75	587.83
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,536.17	634.64
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,177.81	558.17
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,749.68	575.34
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,913.63	590.43
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,107.24	634.64
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,327.02	681.46
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,735.49	673.93
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,834.17	764.69
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,246.06	811.52
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,033.28	884.34
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,229.55	931.15
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,697.19	834.92
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,946.17	881.74
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,000.46	954.56
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,939.74	1,001.39
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,508.38	1,131.43
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,167.78	1,087.22
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	29,252.06	1,217.26
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,784.85	1,287.50
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,610.31	1,256.28
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	36,678.43	1,386.34
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	40,693.25	1,456.56
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	45,274.24	1,542.39

40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,115.99	195.60
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,458.88	210.16
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,590.88	234.09
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,830.12	243.45
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,913.41	267.38
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,130.31	281.95
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,322.17	261.14
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,457.52	285.07
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,625.71	299.64
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,919.69	332.93
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,850.78	299.64
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,018.97	314.20
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,264.25	347.49
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,633.69	365.18
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,383.02	343.85
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,598.24	358.41
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,895.59	391.71
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,213.85	408.88
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,381.16	423.97
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,090.76	405.24
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,386.42	438.52
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,703.01	455.69
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,873.68	470.78
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,232.92	515.00
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,242.46	478.06
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,477.66	511.36
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,688.44	528.53
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,817.09	543.60
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,250.25	587.83
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,531.13	634.64
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,359.16	524.89
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,298.74	558.17
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,430.56	575.34
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,557.55	590.43
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,992.39	634.64
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,327.02	681.46
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,735.49	673.93
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,550.26	720.48
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,584.31	764.69
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,301.48	811.52
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,033.28	884.34
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,229.55	931.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,716.31	834.92
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,368.39	881.74
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,323.58	954.56
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,880.95	1,001.39
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,805.67	1,131.43
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,167.78	1,087.22
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	29,252.06	1,217.26
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,784.85	1,287.50
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,678.43	1,386.34
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,693.25	1,456.56
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	45,274.24	1,542.39

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	510.60	67.62
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	776.14	99.88
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,032.95	118.61
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,494.54	138.38
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,975.90	162.30
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,712.97	182.07
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,274.74	208.08
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,410.27	291.31
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,914.68	364.14
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,649.73	442.17
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,508.95	515.00
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	23,365.76	567.02
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	33,459.52	624.24
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,575.77	702.27

40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	37.51
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*10.50*
		For Hot Dip Galvanized, Add	*15.00*
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack	57.88
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*16.21*
		For Hot Dip Galvanized, Add	*23.15*
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack	62.85
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*17.60*
		For Hot Dip Galvanized, Add	*25.14*
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack	141.17
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*39.53*
		For Hot Dip Galvanized, Add	*56.47*
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack	142.41
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*39.87*
		For Hot Dip Galvanized, Add	*56.96*
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack	159.55
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*44.67*
		For Hot Dip Galvanized, Add	*63.82*
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack	268.23
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*75.10*
		For Hot Dip Galvanized, Add	*107.29*
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack	389.66
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*109.10*
		For Hot Dip Galvanized, Add	*155.86*
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack	492.00
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*137.76*
		For Hot Dip Galvanized, Add	*196.80*
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack	703.96
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*197.11*
		For Hot Dip Galvanized, Add	*281.58*
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,112.37
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*311.46*
		For Hot Dip Galvanized, Add	*444.95*
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,586.82
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*444.31*
		For Hot Dip Galvanized, Add	*634.73*
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack	2,041.39
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*571.59*
		For Hot Dip Galvanized, Add	*816.56*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	2,495.03	
		For Zinc Plated, Add	*698.61*	
		For Hot Dip Galvanized, Add	*998.01*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.39
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.11
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.09
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.83
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.56

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.14
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.25
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.00
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	157.99
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.97
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.94
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.66
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.77
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.72

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.68
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.42
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.66
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.58
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.57
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.50
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.46
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.59
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.05

40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.14
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.74
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.49
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.48
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.72
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.95
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.41
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.01
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.72

40 05 19 00-4179 Full Face Flange FKM Gaskets *(40 05 19 00-4118)*

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	141.16
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	210.18
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	280.76
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	338.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	440.75	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	806.21	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	923.85	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	967.76	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,032.07	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,427.34	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,711.23	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,805.34	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,250.80	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,359.02	

40 05 19 00-4194 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*

40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	450.70	98.44
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	619.58	120.17
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	906.98	146.56
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,238.49	178.79
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,569.49	218.03
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,494.30	266.01
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,892.28	324.64
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,038.75	395.96
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,947.27	483.16
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,528.98	589.33
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	7,112.46	719.13
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,511.49	877.23
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	27,008.11	1,070.31
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,478.09	1,305.70

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly *(40 05 23 23)*
Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.52	12.84
		For Type 316, Add	*3.05*	
		For Work In Restricted Working Space, Add	*7.74*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.94	14.71
		For Type 316, Add	*3.20*	
		For Work In Restricted Working Space, Add	*9.19*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.96	16.60
		For Type 316, Add	*3.75*	
		For Work In Restricted Working Space, Add	*10.67*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.47	20.04
		For Type 316, Add	*4.73*	
		For Work In Restricted Working Space, Add	*11.48*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.88	20.62
		For Type 316, Add	*5.42*	
		For Work In Restricted Working Space, Add	*12.31*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	74.85	27.25
		For Type 316, Add	*6.61*	
		For Work In Restricted Working Space, Add	*14.83*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	104.95	33.59
		For Type 316, Add	*11.36*	
		For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	131.84	38.93
		For Type 316, Add	*14.80*	
		For Work In Restricted Working Space, Add	*22.48*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	177.02	38.93
		For Work In Restricted Working Space, Add	*28.52*	

40 05 23 23-0011 Stainless Steel Tubing And Fittings *(40 05 23 23)*

40 05 23 23-0012 Type 304 Tubing *(40 05 23 23-0011)*

40 05 23 23-0013 0.035" Wall *(40 05 23 23-0012)*

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	10.29	4.12
		For Work In Restricted Working Space, Add	*2.45*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	12.02	4.88
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	14.29	5.80
		For Work In Restricted Working Space, Add	*3.44*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	21.69	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	25.49	7.32
		For Work In Restricted Working Space, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	28.24	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	31.93	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0021		0.049" Wall *(40 05 23 23-0012)*		
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	16.05	4.88
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	18.04	5.80
		For Work In Restricted Working Space, Add	*3.44*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	21.50	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	27.16	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	31.32	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	35.42	11.44
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	40.77	12.97
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0029		0.065" Wall *(40 05 23 23-0012)*		
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	18.75	5.80
		For Work In Restricted Working Space, Add	*3.44*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	21.55	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	26.64	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	31.41	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	36.97	11.44
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	42.41	12.97
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	47.79	14.65
		For Work In Restricted Working Space, Add	*8.80*	
40 05 23 23-0037		Type 304 Tube Fittings *(40 05 23 23-0011)*		
40 05 23 23-0038		90 Degree Elbows *(40 05 23 23-0037)*		
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	59.35	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	69.36	18.00
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	100.70	20.29
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	108.15	22.73
		For Work In Restricted Working Space, Add	*13.67*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	120.48	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	160.94	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	203.69	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0046		Union Tees *(40 05 23 23-0037)*		
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	93.36	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	111.75	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	148.86	30.51
		For Work In Restricted Working Space, Add	*18.31*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	161.23	34.64
		For Work In Restricted Working Space, Add	*20.81*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	201.93	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	310.66	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	372.20	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0054		Unions *(40 05 23 23-0037)*		
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	89.84	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	113.73	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	150.16	30.51
		For Work In Restricted Working Space, Add	*18.31*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	181.63	34.64
		For Work In Restricted Working Space, Add	*20.81*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	214.34	37.23
		For Work In Restricted Working Space, Add	*22.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	320.57	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	344.14	49.28
		For Work In Restricted Working Space, Add	*29.53*	

40 05 23 23-0062 Male Connectors *(40 05 23 23-0037)*

40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	46.78	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	57.00	18.00
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	72.27	20.29
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	81.35	22.73
		For Work In Restricted Working Space, Add	*13.67*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	96.66	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	140.05	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	148.89	32.50
		For Work In Restricted Working Space, Add	*19.48*	

40 05 23 23-0070 Type 304 Valves *(40 05 23 23-0011)*

40 05 23 23-0071 Gate Valves *(40 05 23 23-0070)*

40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	241.79	24.56
		For Work In Restricted Working Space, Add	*13.33*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	402.64	28.84
		For Work In Restricted Working Space, Add	*14.03*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	420.80	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	466.88	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	433.71	49.28
		For Work In Restricted Working Space, Add	*29.53*	

40 05 23 23-0077 Globe Valves *(40 05 23 23-0070)*

40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	245.02	24.56
		For Work In Restricted Working Space, Add	*13.33*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	164.83	28.84
		For Work In Restricted Working Space, Add	*14.03*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	292.89	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	326.40	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	474.42	49.28
		For Work In Restricted Working Space, Add	*29.53*	

40 05 23 23-0083 Check Valves *(40 05 23 23-0070)*

40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	340.05	24.56
		For Work In Restricted Working Space, Add	*13.33*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	342.39	28.84
		For Work In Restricted Working Space, Add	*14.03*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	230.17	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	242.06	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	270.86	49.28
		For Work In Restricted Working Space, Add	*29.53*	

40 05 23 23-0089 Plug Valves *(40 05 23 23-0070)*

40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	525.32	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	575.73	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	654.30	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	904.43	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	1,179.03	76.28
		For Work In Restricted Working Space, Add	*45.77*	

40 05 23 23-0095 Type 316 Tubing *(40 05 23 23-0011)*

40 05 23 23-0096 0.035" Wall *(40 05 23 23-0095)*

40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	10.61	4.12
		For Work In Restricted Working Space, Add	*2.45*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	13.59	4.88
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	15.25	5.80
		For Work In Restricted Working Space, Add	*3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	24.23	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	27.46	7.32
		For Work In Restricted Working Space, Add	*4.42*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	34.29	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	36.62	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0104		**0.049" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	17.41	4.88
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	19.47	5.80
		For Work In Restricted Working Space, Add	*3.44*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	22.84	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	29.62	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	34.38	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	43.30	11.44
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	44.91	12.97
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0112		**0.065" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	20.36	5.80
		For Work In Restricted Working Space, Add	*3.44*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	22.79	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	28.58	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	34.08	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	41.07	11.44
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	45.45	12.97
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	52.69	14.65
		For Work In Restricted Working Space, Add	*8.80*	
40 05 23 23-0120		**Type 316 Tube Fittings** *(40 05 23 23-0011)*		
40 05 23 23-0121		**90 Degree Elbows** *(40 05 23 23-0120)*		
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	78.51	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	93.53	18.00
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	144.02	20.29
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	153.35	22.73
		For Work In Restricted Working Space, Add	*13.67*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	171.92	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	237.80	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	303.87	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	125.23	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	153.10	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	212.29	30.51
		For Work In Restricted Working Space, Add	*18.31*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	227.57	34.64
		For Work In Restricted Working Space, Add	*20.81*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	293.99	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	475.41	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	569.86	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	84.99	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	106.65	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	139.51	30.51
		For Work In Restricted Working Space, Add	*18.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	168.21	34.64
		For Work In Restricted Working Space, Add	*20.81*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	197.62	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	292.11	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	314.77	49.28
		For Work In Restricted Working Space, Add	*29.53*	

40 05 23 23-0145 Male Connectors *(40 05 23 23-0120)*

40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	56.65	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	71.92	18.00
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	94.59	20.29
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	106.65	22.73
		For Work In Restricted Working Space, Add	*13.67*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	130.19	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	200.54	27.31
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	208.25	32.50
		For Work In Restricted Working Space, Add	*19.48*	

40 05 23 23-0153 Type 316 Valves *(40 05 23 23-0011)*

40 05 23 23-0154 Gate Valves *(40 05 23 23-0153)*

40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	305.51	24.56
		For Work In Restricted Working Space, Add	*13.33*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	517.54	28.84
		For Work In Restricted Working Space, Add	*14.03*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	535.70	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	593.60	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	541.96	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	739.66	51.11
		For Work In Restricted Working Space, Add	*30.67*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,180.58	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,407.11	76.28
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,127.83	244.25
		For Work In Restricted Working Space, Add	*146.51*	

40 05 23 23-0164 Globe Valves *(40 05 23 23-0153)*

40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	309.79	24.56
		For Work In Restricted Working Space, Add	*13.33*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	202.96	28.84
		For Work In Restricted Working Space, Add	*14.03*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	366.50	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	407.76	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	595.81	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	740.96	50.80
		For Work In Restricted Working Space, Add	*30.44*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,223.35	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,449.88	76.28
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,856.96	244.25
		For Work In Restricted Working Space, Add	*146.51*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	435.49	24.56
		For Work In Restricted Working Space, Add	*13.33*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	437.83	28.84
		For Work In Restricted Working Space, Add	*14.03*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	283.53	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	296.18	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	326.53	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	446.94	51.11
		For Work In Restricted Working Space, Add	*30.67*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	980.99	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,193.27	76.28
		For Work In Restricted Working Space, Add	*45.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,389.19	244.25
		For Work In Restricted Working Space, Add	*146.51*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	470.21	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	549.09	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	700.79	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,110.67	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,551.60	76.28
		For Work In Restricted Working Space, Add	*45.77*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	620.10	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	712.87	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	864.57	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,341.06	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,826.40	76.28
		For Work In Restricted Working Space, Add	*45.77*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	621.55	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	743.45	37.38
		For Work In Restricted Working Space, Add	*22.43*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	972.91	49.58
		For Work In Restricted Working Space, Add	*29.75*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,205.38	51.11
		For Work In Restricted Working Space, Add	*30.67*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,510.77	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,177.69	76.28
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,991.87	101.46
		For Work In Restricted Working Space, Add	*60.88*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,358.23	152.56
		For Work In Restricted Working Space, Add	*91.54*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,591.17	244.10
		For Work In Restricted Working Space, Add	*146.45*	

40 05 23 23-0206 Plug Valves *(40 05 23 23-0153)*

40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	661.78	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	724.32	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	819.07	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,139.51	55.69
		For Work In Restricted Working Space, Add	*33.41*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,483.29	76.28
		For Work In Restricted Working Space, Add	*45.77*	

40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 23-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	31.31
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	33.82
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	38.04
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	39.92
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	42.26
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	45.39
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	48.53
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	53.22
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	57.92
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	62.62
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	67.31
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	73.58
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	79.84
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	86.09
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	92.36
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	97.06
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	101.75
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	108.02

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0231			**Stainless Steel Pipe And Fittings** *(40 05 23 23)*		
40 05 23 23-0232			**Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0233			**Type 304, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0232)*		
40 05 23 23-0234		LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	18.88	6.56
			For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0235		LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	23.35	8.24
			For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0236		LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	28.50	9.91
			For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0237		LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	33.96	11.44
			For Work In Restricted Working Space, Add	*6.88*	
40 05 23 23-0238		LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	39.11	12.97
			For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0239		LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	49.76	16.48
			For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0240		LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	65.29	19.53
			For Work In Restricted Working Space, Add	*11.74*	
40 05 23 23-0241		LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	82.10	24.56
			For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0242		LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	110.44	32.50
			For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0243			**150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0232)*		
40 05 23 23-0244		EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	52.55	24.56
			For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0245		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	69.69	32.50
			For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0246		EA	1", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	89.41	41.19
			For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0247		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	124.86	56.45
			For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0248		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	148.44	66.37
			For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0249		EA	2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	180.62	80.25
			For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0250		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	299.90	127.09
			For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0251		EA	3", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	386.21	164.00
			For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0252		EA	4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	520.23	203.37
			For Work In Restricted Working Space, Add	*122.05*	
40 05 23 23-0253			**150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0232)*		
40 05 23 23-0254		EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	53.32	24.56
			For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0255		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	70.93	32.50
			For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0256		EA	1", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	89.80	41.19
			For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0257		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	124.71	56.45
			For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0258		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	146.61	66.37
			For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0259		EA	2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	180.20	80.25
			For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0260		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	308.21	127.09
			For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0261		EA	3", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	402.42	164.00
			For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0262		EA	4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	539.11	203.37
			For Work In Restricted Working Space, Add	*122.05*	
40 05 23 23-0263			**150 Lb., Type 304 Stainless Steel Threaded Tees** *(40 05 23 23-0232)*		
40 05 23 23-0264		EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	78.95	37.23
			For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0265		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	105.61	49.28
			For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0266		EA	1", 150 Lb., Type 304 Stainless Steel Threaded Tee	131.19	61.02
			For Work In Restricted Working Space, Add	*36.62*	
40 05 23 23-0267		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	187.69	84.83
			For Work In Restricted Working Space, Add	*50.86*	
40 05 23 23-0268		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	213.30	95.36
			For Work In Restricted Working Space, Add	*57.21*	
40 05 23 23-0269		EA	2", 150 Lb., Type 304 Stainless Steel Threaded Tee	283.30	127.09
			For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0270		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	429.85	183.84
			For Work In Restricted Working Space, Add	*110.29*	
40 05 23 23-0271		EA	3", 150 Lb., Type 304 Stainless Steel Threaded Tee	581.82	246.09
			For Work In Restricted Working Space, Add	*147.64*	
40 05 23 23-0272		EA	4", 150 Lb., Type 304 Stainless Steel Threaded Tee	772.22	305.13
			For Work In Restricted Working Space, Add	*183.08*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0273		**150 Lb., Type 304 Stainless Steel Threaded Reducers** *(40 05 23 23-0232)*		
40 05 23 23-0274	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	69.12	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0275	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Reducer	88.19	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0276	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	121.38	56.45
		For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0277	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	144.71	66.37
		For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0278	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	180.71	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0279	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	297.44	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0280	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Reducer	389.56	164.00
		For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0281	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	508.64	203.37
		For Work In Restricted Working Space, Add	*122.05*	
40 05 23 23-0282		**150 Lb., Type 304 Stainless Steel Threaded Caps** *(40 05 23 23-0232)*		
40 05 23 23-0283	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	26.82	12.36
		For Work In Restricted Working Space, Add	*7.38*	
40 05 23 23-0284	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	35.59	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0285	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Cap	44.85	20.29
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0286	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	65.11	28.84
		For Work In Restricted Working Space, Add	*17.27*	
40 05 23 23-0287	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	74.82	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0288	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Cap	95.07	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0289	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	144.79	61.02
		For Work In Restricted Working Space, Add	*36.62*	
40 05 23 23-0290	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Cap	192.03	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0291	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Cap	256.62	101.76
		For Work In Restricted Working Space, Add	*61.03*	
40 05 23 23-0292		**150 Lb., Type 304 Stainless Steel Threaded Unions** *(40 05 23 23-0232)*		
40 05 23 23-0293	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	83.77	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0294	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Union	110.28	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0295	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Union	139.95	61.02
		For Work In Restricted Working Space, Add	*36.62*	
40 05 23 23-0296	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Union	200.57	84.83
		For Work In Restricted Working Space, Add	*50.86*	
40 05 23 23-0297	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	225.79	95.36
		For Work In Restricted Working Space, Add	*57.21*	
40 05 23 23-0298	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Union	296.31	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0299	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	495.24	190.70
		For Work In Restricted Working Space, Add	*114.42*	
40 05 23 23-0300	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Union	635.51	246.09
		For Work In Restricted Working Space, Add	*147.65*	
40 05 23 23-0301	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Union	639.57	203.45
		For Work In Restricted Working Space, Add	*122.07*	
40 05 23 23-0302		**150 Lb., Type 304 Stainless Steel Threaded Couplings** *(40 05 23 23-0232)*		
40 05 23 23-0303	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	52.23	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0304	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	69.27	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0305	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Coupling	89.07	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0306	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	123.50	56.45
		For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0307	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	145.11	66.37
		For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0308	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	178.15	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0309	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	292.81	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0310	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Coupling	377.90	164.00
		For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0311	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	484.23	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	21.93	6.56
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	26.36	8.24
		For Work In Restricted Working Space, Add	*4.92*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	32.83	9.91
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	39.62	11.44
		For Work In Restricted Working Space, Add	*6.88*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	45.82	12.97
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	58.74	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	77.84	19.53
		For Work In Restricted Working Space, Add	*11.74*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	100.80	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	134.79	32.50
		For Work In Restricted Working Space, Add	*19.48*	

40 05 23 23-0323 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	53.56	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0325	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	71.19	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0326	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	90.33	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0327	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	126.51	56.45
		For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0328	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	150.64	66.37
		For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0329	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	183.33	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0330	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	304.23	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0331	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	396.83	164.00
		For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0332	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	533.13	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-0333 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0334	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	54.37	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0335	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	71.70	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0336	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	90.93	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0337	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	126.34	56.45
		For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0338	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	148.51	66.37
		For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0339	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	182.74	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0340	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	312.28	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0341	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	411.82	164.00
		For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0342	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	564.46	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-0343 150 Lb., Type 316 Stainless Steel Threaded Tees *(40 05 23 23-0312)*

40 05 23 23-0344	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	80.02	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0345	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	106.69	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0346	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Tee	132.41	61.02
		For Work In Restricted Working Space, Add	*36.62*	
40 05 23 23-0347	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	190.17	84.83
		For Work In Restricted Working Space, Add	*50.86*	
40 05 23 23-0348	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	215.75	95.36
		For Work In Restricted Working Space, Add	*57.21*	
40 05 23 23-0349	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Tee	286.53	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0350	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	443.03	183.84
		For Work In Restricted Working Space, Add	*110.29*	
40 05 23 23-0351	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Tee	599.78	246.09
		For Work In Restricted Working Space, Add	*147.64*	
40 05 23 23-0352	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Tee	785.61	305.13
		For Work In Restricted Working Space, Add	*183.08*	

40 05 23 23-0353 150 Lb., Type 316 Stainless Steel Threaded Reducers *(40 05 23 23-0312)*

40 05 23 23-0354	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	70.03	32.50
		For Work In Restricted Working Space, Add	*19.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0355	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Reducer	90.91	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0356	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	121.89	56.45
		For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0357	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	147.37	66.37
		For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0358	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	185.38	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0359	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	308.08	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0360	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Reducer	401.31	164.00
		For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0361	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	528.22	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-0362 150 Lb., Type 316 Stainless Steel Threaded Caps *(40 05 23 23-0312)*

40 05 23 23-0363	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	27.42	12.36
		For Work In Restricted Working Space, Add	*7.38*	
40 05 23 23-0364	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	36.03	16.48
		For Work In Restricted Working Space, Add	*9.84*	
40 05 23 23-0365	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Cap	45.64	20.29
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0366	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	67.31	28.84
		For Work In Restricted Working Space, Add	*17.27*	
40 05 23 23-0367	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	77.42	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0368	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Cap	98.47	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0369	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	150.41	61.02
		For Work In Restricted Working Space, Add	*36.62*	
40 05 23 23-0370	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Cap	197.73	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0371	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Cap	267.94	101.76
		For Work In Restricted Working Space, Add	*61.03*	

40 05 23 23-0372 150 Lb., Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*

40 05 23 23-0373	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	85.06	37.23
		For Work In Restricted Working Space, Add	*22.33*	
40 05 23 23-0374	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Union	115.13	49.28
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-0375	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Union	142.40	61.02
		For Work In Restricted Working Space, Add	*36.62*	
40 05 23 23-0376	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Union	204.74	84.83
		For Work In Restricted Working Space, Add	*50.86*	
40 05 23 23-0377	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	230.66	95.36
		For Work In Restricted Working Space, Add	*57.21*	
40 05 23 23-0378	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Union	301.95	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0379	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	503.89	190.70
		For Work In Restricted Working Space, Add	*114.42*	
40 05 23 23-0380	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Union	662.47	246.09
		For Work In Restricted Working Space, Add	*147.65*	
40 05 23 23-0381	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Union	697.02	203.45
		For Work In Restricted Working Space, Add	*122.07*	

40 05 23 23-0382 150 Lb., Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*

40 05 23 23-0383	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	54.26	24.56
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-0384	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	70.21	32.50
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0385	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Coupling	89.97	41.19
		For Work In Restricted Working Space, Add	*24.74*	
40 05 23 23-0386	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	124.93	56.45
		For Work In Restricted Working Space, Add	*33.90*	
40 05 23 23-0387	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	146.82	66.37
		For Work In Restricted Working Space, Add	*39.80*	
40 05 23 23-0388	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	180.52	80.25
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-0389	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	301.09	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-0390	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Coupling	388.58	164.00
		For Work In Restricted Working Space, Add	*98.43*	
40 05 23 23-0391	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	500.24	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*

40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	20.26	6.39
		For Work In Restricted Working Space, Add	*3.83*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	24.26	7.80
		For Work In Restricted Working Space, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	31.20	9.22
		For Work In Restricted Working Space, Add	*5.49*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	38.29	11.49
		For Work In Restricted Working Space, Add	*6.86*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	42.75	12.91
		For Work In Restricted Working Space, Add	*7.74*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	52.89	16.04
		For Work In Restricted Working Space, Add	*9.59*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	62.55	18.31
		For Work In Restricted Working Space, Add	*10.96*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	73.03	20.57
		For Work In Restricted Working Space, Add	*12.34*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	90.52	24.40
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	129.24	32.06
		For Work In Restricted Working Space, Add	*19.17*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	221.75	56.83
		For Work In Restricted Working Space, Add	*36.51*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	274.77	62.48
		For Work In Restricted Working Space, Add	*40.17*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	324.34	69.47
		For Work In Restricted Working Space, Add	*44.63*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	392.89	78.10
		For Work In Restricted Working Space, Add	*50.21*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	435.35	89.26
		For Work In Restricted Working Space, Add	*57.38*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	491.24	104.13
		For Work In Restricted Working Space, Add	*66.94*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	665.51	124.96
		For Work In Restricted Working Space, Add	*80.33*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	862.24	156.20
		For Work In Restricted Working Space, Add	*100.42*	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	166.93	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	176.88	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	194.79	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	212.53	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	234.73	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	262.11	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	339.54	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	398.21	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	485.07	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	650.95	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,111.04	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,606.96	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,423.96	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,859.00	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,340.09	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,214.41	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,880.07	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	8,433.67	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	168.46	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	178.41	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	196.62	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	214.97	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	235.03	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	262.11	113.69
		For Work In Restricted Working Space, Add	*75.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	338.01	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	395.46	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	479.88	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	623.77	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,058.60	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,513.61	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,276.17	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,677.60	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,116.21	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,920.41	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	5,483.36	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	7,870.92	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*

40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	222.38	92.51
		For Work In Restricted Working Space, Add	*61.67*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	269.17	113.57
		For Work In Restricted Working Space, Add	*75.71*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	300.35	127.60
		For Work In Restricted Working Space, Add	*85.07*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	342.01	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	363.89	156.19
		For Work In Restricted Working Space, Add	*104.13*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	396.59	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	504.46	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	601.45	255.81
		For Work In Restricted Working Space, Add	*170.54*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	687.47	287.10
		For Work In Restricted Working Space, Add	*191.40*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	982.29	382.79
		For Work In Restricted Working Space, Add	*255.20*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,585.52	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	2,423.96	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	3,101.04	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,799.13	1,292.90
		For Work In Restricted Working Space, Add	*861.94*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	4,607.66	1,577.21
		For Work In Restricted Working Space, Add	*1,051.47*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	5,863.77	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	7,819.51	2,642.52
		For Work In Restricted Working Space, Add	*1,761.68*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	11,750.69	4,016.62
		For Work In Restricted Working Space, Add	*2,677.75*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	201.69	77.29
		For Work In Restricted Working Space, Add	*51.53*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	240.39	94.71
		For Work In Restricted Working Space, Add	*63.14*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	291.12	106.42
		For Work In Restricted Working Space, Add	*70.94*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	307.16	121.31
		For Work In Restricted Working Space, Add	*80.88*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	323.60	130.35
		For Work In Restricted Working Space, Add	*86.91*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	407.63	142.06
		For Work In Restricted Working Space, Add	*94.71*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	481.66	170.28
		For Work In Restricted Working Space, Add	*113.53*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	595.13	212.84
		For Work In Restricted Working Space, Add	*141.89*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	765.82	243.19
		For Work In Restricted Working Space, Add	*162.12*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,393.33	358.63
		For Work In Restricted Working Space, Add	*239.08*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,239.24	478.17
		For Work In Restricted Working Space, Add	*318.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,216.84	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,898.52	861.70
		For Work In Restricted Working Space, Add	*574.46*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,820.08	1,051.11
		For Work In Restricted Working Space, Add	*700.73*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	6,214.93	1,338.87
		For Work In Restricted Working Space, Add	*892.58*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	8,766.28	1,761.68
		For Work In Restricted Working Space, Add	*1,174.45*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	13,672.09	2,675.36
		For Work In Restricted Working Space, Add	*1,783.58*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	166.57	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	183.04	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	202.90	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	216.94	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	237.17	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	313.71	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	355.13	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	415.28	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	534.48	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	849.45	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,076.74	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,445.65	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,028.30	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,360.50	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,915.66	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	4,054.81	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	5,888.89	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	195.29	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	204.11	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	217.33	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	243.21	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	256.11	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	334.48	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	375.59	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	431.10	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	591.60	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	971.88	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,315.56	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,666.33	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,537.38	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,943.82	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,627.58	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	5,195.63	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	7,400.82	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	90.35	36.39
		For Work In Restricted Working Space, Add	*24.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	98.68	38.62
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	108.39	42.46
		For Work In Restricted Working Space, Add	*28.30*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	119.16	46.27
		For Work In Restricted Working Space, Add	*30.84*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	128.52	51.09
		For Work In Restricted Working Space, Add	*34.07*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	139.46	56.84
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	180.62	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	205.68	85.28
		For Work In Restricted Working Space, Add	*56.85*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	247.57	102.06
		For Work In Restricted Working Space, Add	*68.04*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	317.68	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	539.20	215.17
		For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	718.19	286.90
		For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	1,061.41	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	1,244.50	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,438.79	572.71
		For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,814.50	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,511.95	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	3,682.03	1,434.50
		For Work In Restricted Working Space, Add	*956.34*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	22.10	6.39
		For Work In Restricted Working Space, Add	*3.83*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	26.86	7.80
		For Work In Restricted Working Space, Add	*4.68*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	32.60	9.22
		For Work In Restricted Working Space, Add	*5.49*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	40.74	11.35
		For Work In Restricted Working Space, Add	*6.86*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	46.73	12.77
		For Work In Restricted Working Space, Add	*7.74*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	59.45	16.32
		For Work In Restricted Working Space, Add	*9.59*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	72.56	18.44
		For Work In Restricted Working Space, Add	*10.96*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	72.85	20.57
		For Work In Restricted Working Space, Add	*12.34*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	112.83	24.13
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	171.10	31.92
		For Work In Restricted Working Space, Add	*19.17*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	305.46	56.53
		For Work In Restricted Working Space, Add	*36.51*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	378.89	62.48
		For Work In Restricted Working Space, Add	*40.17*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	465.22	69.17
		For Work In Restricted Working Space, Add	*44.63*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	168.15	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	178.10	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	195.70	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	213.19	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	235.34	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	264.25	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	347.48	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	409.82	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	504.62	204.12
		For Work In Restricted Working Space, Add	*136.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	775.87	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,281.26	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,952.33	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,871.91	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,402.43	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,038.20	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,184.42	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	7,077.33	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	10,141.76	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	170.29	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	180.24	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	197.23	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	214.75	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	236.86	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	264.57	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	347.48	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	401.27	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	509.20	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	671.72	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,172.07	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,679.54	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,469.49	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,813.93	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,337.52	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,206.90	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	5,758.31	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	8,337.77	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	223.60	92.51
		For Work In Restricted Working Space, Add	*61.67*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	270.39	113.57
		For Work In Restricted Working Space, Add	*75.71*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	301.57	127.60
		For Work In Restricted Working Space, Add	*85.07*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	345.12	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	365.11	156.19
		For Work In Restricted Working Space, Add	*104.13*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	398.12	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	508.59	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	607.86	255.81
		For Work In Restricted Working Space, Add	*170.54*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	694.49	287.10
		For Work In Restricted Working Space, Add	*191.40*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	1,030.85	382.79
		For Work In Restricted Working Space, Add	*255.20*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,729.67	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,866.32	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,567.47	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,739.00	1,292.90
		For Work In Restricted Working Space, Add	*861.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	5,979.82	1,577.21
		For Work In Restricted Working Space, Add	*1,051.47*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	7,726.82	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	10,004.82	2,642.52
		For Work In Restricted Working Space, Add	*1,761.68*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	15,299.90	4,016.62
		For Work In Restricted Working Space, Add	*2,677.75*	

40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0541)*

40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	205.66	77.29
		For Work In Restricted Working Space, Add	*51.53*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	244.36	94.71
		For Work In Restricted Working Space, Add	*63.14*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	310.23	106.42
		For Work In Restricted Working Space, Add	*70.94*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	312.96	121.31
		For Work In Restricted Working Space, Add	*80.88*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	323.60	130.35
		For Work In Restricted Working Space, Add	*86.91*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	388.11	142.06
		For Work In Restricted Working Space, Add	*94.71*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	438.59	170.28
		For Work In Restricted Working Space, Add	*113.53*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	572.53	212.84
		For Work In Restricted Working Space, Add	*141.89*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	769.48	243.19
		For Work In Restricted Working Space, Add	*162.12*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,263.69	358.63
		For Work In Restricted Working Space, Add	*239.08*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,279.81	478.17
		For Work In Restricted Working Space, Add	*318.78*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,297.99	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,784.66	861.70
		For Work In Restricted Working Space, Add	*574.46*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,677.48	1,051.11
		For Work In Restricted Working Space, Add	*700.73*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	6,028.98	1,338.87
		For Work In Restricted Working Space, Add	*892.58*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	8,487.81	1,761.68
		For Work In Restricted Working Space, Add	*1,174.45*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	13,228.58	2,675.36
		For Work In Restricted Working Space, Add	*1,783.58*	

40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0541)*

40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	169.63	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	186.09	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	203.12	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	220.00	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	239.00	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	313.71	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	344.13	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	399.64	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	536.93	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	901.31	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,165.81	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,525.14	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,206.70	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,584.76	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,369.80	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	4,590.49	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	6,443.64	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	196.53	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	210.53	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	239.33	84.91
		For Work In Restricted Working Space, Add	*56.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	254.51	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	273.52	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	334.48	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	413.47	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	456.76	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	616.95	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	974.54	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,313.25	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,786.40	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,847.07	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,231.06	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,205.92	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	5,481.05	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	8,665.91	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	91.26	36.39
		For Work In Restricted Working Space, Add	*24.26*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	97.76	38.62
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	109.31	42.46
		For Work In Restricted Working Space, Add	*28.30*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	123.25	46.27
		For Work In Restricted Working Space, Add	*30.84*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	132.49	51.09
		For Work In Restricted Working Space, Add	*34.07*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	139.16	56.84
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	178.56	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	206.90	85.28
		For Work In Restricted Working Space, Add	*56.85*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	251.23	102.06
		For Work In Restricted Working Space, Add	*68.04*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	340.28	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	575.49	215.17
		For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	769.51	286.90
		For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	1,159.20	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,334.08	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,562.02	572.71
		For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,960.56	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,706.73	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	4,007.69	1,434.50
		For Work In Restricted Working Space, Add	*956.34*	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*

40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	22.59	6.39
		For Work In Restricted Working Space, Add	*3.83*	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	26.96	7.80
		For Work In Restricted Working Space, Add	*4.68*	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	35.22	9.22
		For Work In Restricted Working Space, Add	*5.49*	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	43.11	11.49
		For Work In Restricted Working Space, Add	*6.86*	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	48.04	12.91
		For Work In Restricted Working Space, Add	*7.74*	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	59.42	16.04
		For Work In Restricted Working Space, Add	*9.59*	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	70.68	18.31
		For Work In Restricted Working Space, Add	*10.96*	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	82.99	20.57
		For Work In Restricted Working Space, Add	*12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	103.60	24.40
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	149.65	32.06
		For Work In Restricted Working Space, Add	*19.17*	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	252.99	56.83
		For Work In Restricted Working Space, Add	*36.51*	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	318.76	62.48
		For Work In Restricted Working Space, Add	*40.17*	
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	379.18	69.47
		For Work In Restricted Working Space, Add	*44.63*	
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	463.32	78.10
		For Work In Restricted Working Space, Add	*50.21*	
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	511.58	89.26
		For Work In Restricted Working Space, Add	*57.38*	
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	574.96	104.13
		For Work In Restricted Working Space, Add	*66.94*	
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	789.73	124.96
		For Work In Restricted Working Space, Add	*80.33*	
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	1,026.98	156.20
		For Work In Restricted Working Space, Add	*100.42*	

40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0685)*

40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	168.46	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	178.41	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	196.62	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	215.19	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	236.56	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	264.25	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	343.51	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	404.02	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	493.93	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	674.16	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,154.26	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,706.89	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,560.20	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,987.20	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,542.87	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	4,457.57	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	6,227.43	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	8,949.83	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0685)*

40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	170.29	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	180.24	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	198.45	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	217.64	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	236.56	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	264.25	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	341.68	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	401.27	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	487.51	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	636.29	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,086.30	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,679.54	573.80
		For Work In Restricted Working Space, Add	*382.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,469.49	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,902.20	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,387.02	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	4,274.04	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	6,062.52	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	8,730.19	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	226.35	92.51
		For Work In Restricted Working Space, Add	*61.67*	
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	273.14	113.57
		For Work In Restricted Working Space, Add	*75.71*	
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	304.32	127.60
		For Work In Restricted Working Space, Add	*85.07*	
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	349.34	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	369.69	156.19
		For Work In Restricted Working Space, Add	*104.13*	
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	401.78	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	487.82	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	611.53	255.81
		For Work In Restricted Working Space, Add	*170.54*	
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	701.21	287.10
		For Work In Restricted Working Space, Add	*191.40*	
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	1,021.69	382.79
		For Work In Restricted Working Space, Add	*255.20*	
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	1,689.08	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	2,622.87	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	3,364.59	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	4,287.81	1,292.90
		For Work In Restricted Working Space, Add	*861.94*	
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	5,080.92	1,577.21
		For Work In Restricted Working Space, Add	*1,051.47*	
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	6,459.23	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	8,687.85	2,642.52
		For Work In Restricted Working Space, Add	*1,761.68*	
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	12,512.28	4,016.62
		For Work In Restricted Working Space, Add	*2,677.75*	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0685)*

40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	211.16	77.29
		For Work In Restricted Working Space, Add	*51.53*	
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	251.69	94.71
		For Work In Restricted Working Space, Add	*63.14*	
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	304.90	106.42
		For Work In Restricted Working Space, Add	*70.94*	
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	316.63	121.31
		For Work In Restricted Working Space, Add	*80.88*	
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	336.74	130.35
		For Work In Restricted Working Space, Add	*86.91*	
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	447.34	142.06
		For Work In Restricted Working Space, Add	*94.71*	
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	445.92	170.28
		For Work In Restricted Working Space, Add	*113.53*	
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	595.13	212.84
		For Work In Restricted Working Space, Add	*141.89*	
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	822.32	243.19
		For Work In Restricted Working Space, Add	*162.12*	
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,557.61	358.63
		For Work In Restricted Working Space, Add	*239.08*	
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,787.15	478.17
		For Work In Restricted Working Space, Add	*318.78*	
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,683.60	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,207.76	861.70
		For Work In Restricted Working Space, Add	*574.46*	
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	5,207.37	1,051.11
		For Work In Restricted Working Space, Add	*700.73*	
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	6,719.97	1,338.87
		For Work In Restricted Working Space, Add	*892.58*	
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	9,522.59	1,761.68
		For Work In Restricted Working Space, Add	*1,174.45*	
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	14,876.67	2,675.36
		For Work In Restricted Working Space, Add	*1,783.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0780		**Type 316, Schedule 10 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0685)*		
40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	169.32	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	186.40	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	207.78	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	219.08	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	239.00	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	312.43	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	362.46	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	401.82	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	549.45	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	865.10	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,113.37	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,488.87	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,087.82	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,416.86	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,998.51	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	4,182.82	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	6,115.85	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	193.06	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	214.59	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	241.21	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	258.17	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	263.13	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	345.78	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	396.67	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	448.21	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	629.17	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,037.86	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,410.90	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,797.61	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,673.30	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,124.50	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,877.69	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	5,588.91	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	7,785.69	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	
40 05 23 23-0815		**Type 316, Schedule 10 Stainless Steel Butt Weld Caps** *(40 05 23 23-0685)*		
40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	94.32	36.39
		For Work In Restricted Working Space, Add	*24.26*	
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	103.87	38.62
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	113.89	42.46
		For Work In Restricted Working Space, Add	*28.30*	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	124.47	46.27
		For Work In Restricted Working Space, Add	*30.84*	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	134.93	51.09
		For Work In Restricted Working Space, Add	*34.07*	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	143.13	56.84
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	179.45	72.76
		For Work In Restricted Working Space, Add	*48.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	212.09	85.28
		For Work In Restricted Working Space, Add	*56.85*	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	253.98	102.06
		For Work In Restricted Working Space, Add	*68.04*	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	328.98	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	559.32	215.17
		For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	742.63	286.90
		For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	1,097.14	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,276.72	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,466.02	572.71
		For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,845.71	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,561.73	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,835.28	1,434.50
		For Work In Restricted Working Space, Add	*956.34*	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	25.21	6.39
		For Work In Restricted Working Space, Add	*3.83*	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	30.63	7.80
		For Work In Restricted Working Space, Add	*4.68*	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	37.38	9.22
		For Work In Restricted Working Space, Add	*5.49*	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	46.72	11.35
		For Work In Restricted Working Space, Add	*6.86*	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	53.73	12.77
		For Work In Restricted Working Space, Add	*7.74*	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	68.64	16.32
		For Work In Restricted Working Space, Add	*9.59*	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	84.61	18.44
		For Work In Restricted Working Space, Add	*10.96*	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	83.46	20.57
		For Work In Restricted Working Space, Add	*12.34*	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	134.29	24.13
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	206.95	31.92
		For Work In Restricted Working Space, Add	*19.17*	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	366.93	56.53
		For Work In Restricted Working Space, Add	*36.51*	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	460.85	62.48
		For Work In Restricted Working Space, Add	*40.17*	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	571.08	69.17
		For Work In Restricted Working Space, Add	*44.63*	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	169.99	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	179.94	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	198.15	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	215.86	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	238.09	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	267.91	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	354.81	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	419.90	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	528.75	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	796.33	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,388.12	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,218.18	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,178.70	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,570.98	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,305.01	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	5,485.45	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	7,436.39	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	10,774.70	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	173.04	72.79
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	182.99	77.26
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	199.98	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	216.75	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	239.92	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	267.91	113.69
		For Work In Restricted Working Space, Add	*75.79*	
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	354.81	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	407.99	170.53
		For Work In Restricted Working Space, Add	*113.69*	
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	506.14	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	703.48	254.99
		For Work In Restricted Working Space, Add	*170.00*	
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,224.53	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,841.17	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,673.99	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,048.62	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,448.03	1,145.42
		For Work In Restricted Working Space, Add	*763.62*	
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	4,418.57	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	6,029.06	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	8,895.26	2,869.01
		For Work In Restricted Working Space, Add	*1,912.67*	

40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	228.18	92.51
		For Work In Restricted Working Space, Add	*61.67*	
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	274.97	113.57
		For Work In Restricted Working Space, Add	*75.71*	
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	306.15	127.60
		For Work In Restricted Working Space, Add	*85.07*	
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	352.00	145.51
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	369.69	156.19
		For Work In Restricted Working Space, Add	*104.13*	
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	403.00	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	498.70	204.12
		For Work In Restricted Working Space, Add	*136.08*	
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	617.33	255.81
		For Work In Restricted Working Space, Add	*170.54*	
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	711.29	287.10
		For Work In Restricted Working Space, Add	*191.40*	
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	1,093.47	382.79
		For Work In Restricted Working Space, Add	*255.20*	
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,873.49	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	3,109.75	860.70
		For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,831.36	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	5,385.83	1,292.90
		For Work In Restricted Working Space, Add	*861.94*	
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	6,663.20	1,577.21
		For Work In Restricted Working Space, Add	*1,051.47*	
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	8,616.15	2,008.31
		For Work In Restricted Working Space, Add	*1,338.87*	
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	11,207.82	2,642.52
		For Work In Restricted Working Space, Add	*1,761.68*	
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	16,151.83	4,016.62
		For Work In Restricted Working Space, Add	*2,677.75*	

40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	216.96	77.29
		For Work In Restricted Working Space, Add	*51.53*	
40 05 23 23-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	255.66	94.71
		For Work In Restricted Working Space, Add	*63.14*	
40 05 23 23-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	329.33	106.42
		For Work In Restricted Working Space, Add	*70.94*	
40 05 23 23-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	326.09	121.31
		For Work In Restricted Working Space, Add	*80.88*	
40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	336.74	130.35
		For Work In Restricted Working Space, Add	*86.91*	
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	449.17	142.06
		For Work In Restricted Working Space, Add	*94.71*	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	459.05	170.28
		For Work In Restricted Working Space, Add	*113.53*	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	608.27	212.84
		For Work In Restricted Working Space, Add	*141.89*	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	830.57	243.19
		For Work In Restricted Working Space, Add	*162.12*	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,395.32	358.63
		For Work In Restricted Working Space, Add	*239.08*	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,827.73	478.17
		For Work In Restricted Working Space, Add	*318.78*	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,764.75	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,296.80	861.70
		For Work In Restricted Working Space, Add	*574.46*	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,318.88	1,051.11
		For Work In Restricted Working Space, Add	*700.73*	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	6,865.39	1,338.87
		For Work In Restricted Working Space, Add	*892.58*	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	9,740.36	1,761.68
		For Work In Restricted Working Space, Add	*1,174.45*	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	15,223.50	2,675.36
		For Work In Restricted Working Space, Add	*1,783.58*	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*

40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	174.21	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	191.28	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	210.00	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	224.58	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	242.36	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	323.18	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	350.55	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	406.06	170.35
		For Work In Restricted Working Space, Add	*113.57*	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	551.59	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	929.01	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,233.77	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,575.29	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,252.43	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,592.06	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,436.12	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,650.92	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	6,706.93	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	208.72	70.29
		For Work In Restricted Working Space, Add	*46.86*	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	222.74	76.60
		For Work In Restricted Working Space, Add	*51.06*	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	257.10	84.91
		For Work In Restricted Working Space, Add	*56.60*	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	267.64	92.54
		For Work In Restricted Working Space, Add	*61.69*	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	288.18	102.19
		For Work In Restricted Working Space, Add	*68.13*	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	345.78	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	438.82	145.38
		For Work In Restricted Working Space, Add	*96.92*	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	481.81	170.35
		For Work In Restricted Working Space, Add	*113.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	675.90	216.88
		For Work In Restricted Working Space, Add	*144.59*	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,022.03	344.28
		For Work In Restricted Working Space, Add	*229.52*	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,438.27	430.36
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,984.32	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,939.65	753.12
		For Work In Restricted Working Space, Add	*502.08*	
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,383.19	858.25
		For Work In Restricted Working Space, Add	*572.17*	
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,517.60	1,075.87
		For Work In Restricted Working Space, Add	*717.25*	
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,827.56	1,434.51
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	8,736.94	2,151.77
		For Work In Restricted Working Space, Add	*1,434.51*	
40 05 23 23-0959		Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*		
40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	94.93	36.39
		For Work In Restricted Working Space, Add	*24.26*	
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	103.57	38.62
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	114.50	42.46
		For Work In Restricted Working Space, Add	*28.30*	
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	130.13	46.27
		For Work In Restricted Working Space, Add	*30.84*	
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	130.35	51.09
		For Work In Restricted Working Space, Add	*34.07*	
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	147.40	56.84
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	185.00	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	213.01	85.28
		For Work In Restricted Working Space, Add	*56.85*	
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	260.70	102.06
		For Work In Restricted Working Space, Add	*68.04*	
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	357.08	127.70
		For Work In Restricted Working Space, Add	*85.13*	
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	612.10	215.17
		For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	820.30	286.90
		For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,224.18	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,399.84	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,576.29	572.71
		For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	2,007.18	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,765.00	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	4,231.14	1,434.50
		For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-0978		Valves *(40 05 23 23-0231)*		
40 05 23 23-0979		Gate Valves, Class 150 *(40 05 23 23-0978)*		
40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	724.40	73.23
		For Work In Restricted Working Space, Add	*27.46*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	788.02	76.28
		For Work In Restricted Working Space, Add	*32.04*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged	972.79	114.42
		For Work In Restricted Working Space, Add	*43.18*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,224.51	133.49
		For Work In Restricted Working Space, Add	*49.75*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,383.62	168.04
		For Work In Restricted Working Space, Add	*63.02*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,643.11	203.37
		For Work In Restricted Working Space, Add	*76.28*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,349.41	221.21
		For Work In Restricted Working Space, Add	*83.22*	
		For Class 300, Add	*1,947.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	2,647.71	259.36
		For Work In Restricted Working Space, Add	*97.38*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	3,516.67	434.81
		For Work In Restricted Working Space, Add	*163.46*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	5,854.69	549.23
		For Work In Restricted Working Space, Add	*206.70*	
		For Class 300, Add	*4,855.76*	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	12,692.95	701.79
		For Work In Restricted Working Space, Add	*261.54*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	17,868.20	854.36
		For Work In Restricted Working Space, Add	*320.39*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	26,862.41	1,037.42
		For Work In Restricted Working Space, Add	*388.34*	
		For Class 300, Add	*24,033.86*	

40 05 23 23-0993 Globe Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	985.55	73.23
		For Work In Restricted Working Space, Add	*27.46*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,091.50	76.28
		For Work In Restricted Working Space, Add	*32.04*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	1,361.86	114.42
		For Work In Restricted Working Space, Add	*43.18*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	2,023.99	168.04
		For Work In Restricted Working Space, Add	*63.02*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	2,469.89	203.37
		For Work In Restricted Working Space, Add	*76.28*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,941.84	221.21
		For Work In Restricted Working Space, Add	*83.22*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	5,118.63	259.36
		For Work In Restricted Working Space, Add	*97.38*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	6,116.28	434.81
		For Work In Restricted Working Space, Add	*163.46*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	11,248.76	549.23
		For Work In Restricted Working Space, Add	*206.70*	
		For Class 300, Add	*9,926.18*	

40 05 23 23-1003 Check Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,249.98	221.21
		For Work In Restricted Working Space, Add	*83.22*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	2,358.71	259.36
		For Work In Restricted Working Space, Add	*97.38*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	3,710.53	434.81
		For Work In Restricted Working Space, Add	*163.46*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	6,346.77	549.23
		For Work In Restricted Working Space, Add	*206.70*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	11,109.66	701.79
		For Work In Restricted Working Space, Add	*261.54*	
		For Class 300, Add	*9,623.60*	

40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	113.96	44.29
		For Work In Restricted Working Space, Add	*29.53*	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	150.64	59.06
		For Work In Restricted Working Space, Add	*39.37*	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	185.85	73.23
		For Work In Restricted Working Space, Add	*48.82*	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	266.14	103.62
		For Work In Restricted Working Space, Add	*69.08*	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	295.54	116.86
		For Work In Restricted Working Space, Add	*77.90*	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	370.70	148.44
		For Work In Restricted Working Space, Add	*98.96*	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	645.50	228.85
		For Work In Restricted Working Space, Add	*152.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting	858.00	292.14
		For Work In Restricted Working Space, Add	*194.76*	
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting	1,122.53	366.15
		For Work In Restricted Working Space, Add	*244.10*	

40 05 23 23-1019 Stainless Steel Flanges *(40 05 23 23-0231)*

40 05 23 23-1020 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1021	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	83.31	24.61
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-1022	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	103.50	32.82
		For Work In Restricted Working Space, Add	*19.69*	
40 05 23 23-1023	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	123.79	40.69
		For Work In Restricted Working Space, Add	*24.41*	
40 05 23 23-1024	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	168.94	57.57
		For Work In Restricted Working Space, Add	*34.54*	
40 05 23 23-1025	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	183.65	64.92
		For Work In Restricted Working Space, Add	*38.96*	
40 05 23 23-1026	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	235.42	82.46
		For Work In Restricted Working Space, Add	*49.48*	
40 05 23 23-1027	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	352.77	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-1028	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	427.65	259.36
		For Work In Restricted Working Space, Add	*97.38*	
40 05 23 23-1029	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	547.75	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-1030 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1031	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	103.02	24.61
		For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-1032	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	119.42	32.82
		For Work In Restricted Working Space, Add	*19.69*	
40 05 23 23-1033	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	135.16	40.69
		For Work In Restricted Working Space, Add	*24.41*	
40 05 23 23-1034	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	197.75	57.57
		For Work In Restricted Working Space, Add	*34.54*	
40 05 23 23-1035	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	212.46	64.92
		For Work In Restricted Working Space, Add	*38.96*	
40 05 23 23-1036	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	264.96	82.46
		For Work In Restricted Working Space, Add	*49.48*	
40 05 23 23-1037	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	418.70	127.09
		For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-1038	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	495.07	259.36
		For Work In Restricted Working Space, Add	*97.38*	
40 05 23 23-1039	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	651.56	203.37
		For Work In Restricted Working Space, Add	*122.05*	

40 05 23 23-1040 150 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1041	EA	1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	114.97	36.38
		For Work In Restricted Working Space, Add	*24.26*	
40 05 23 23-1042	EA	3/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	123.73	38.62
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-1043	EA	1", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	138.28	42.46
		For Work In Restricted Working Space, Add	*28.31*	
40 05 23 23-1044	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	165.82	46.30
		For Work In Restricted Working Space, Add	*30.87*	
40 05 23 23-1045	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	176.34	51.03
		For Work In Restricted Working Space, Add	*34.03*	
40 05 23 23-1046	EA	2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	196.08	56.85
		For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-1047	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	266.91	72.70
		For Work In Restricted Working Space, Add	*48.47*	
40 05 23 23-1048	EA	3", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	304.34	85.11
		For Work In Restricted Working Space, Add	*56.75*	
40 05 23 23-1049	EA	4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	387.28	101.99
		For Work In Restricted Working Space, Add	*68.00*	
40 05 23 23-1050	EA	6", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	560.50	127.43
		For Work In Restricted Working Space, Add	*84.96*	
40 05 23 23-1051	EA	8", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	947.89	215.17
		For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-1052	EA	10", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	1,330.78	286.89
		For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-1053	EA	12", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,038.20	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1054	EA	14", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,521.62	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1055	EA	16", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	3,107.29	572.71
		For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-1056	EA	18", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	3,822.53	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-1057	EA	20", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	5,008.00	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-1058	EA	24", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	7,122.41	1,434.50
		For Work In Restricted Working Space, Add	*956.34*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1059			**300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1019)*		
40 05 23 23-1060	EA		1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	138.47	36.38
			For Work In Restricted Working Space, Add	*24.26*	
40 05 23 23-1061	EA		3/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	143.44	38.62
			For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-1062	EA		1", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	151.94	42.46
			For Work In Restricted Working Space, Add	*28.31*	
40 05 23 23-1063	EA		1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	192.29	46.30
			For Work In Restricted Working Space, Add	*30.87*	
40 05 23 23-1064	EA		1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	202.81	51.03
			For Work In Restricted Working Space, Add	*34.03*	
40 05 23 23-1065	EA		2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	218.80	56.85
			For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-1066	EA		2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	306.28	72.70
			For Work In Restricted Working Space, Add	*48.47*	
40 05 23 23-1067	EA		3", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	348.27	85.11
			For Work In Restricted Working Space, Add	*56.75*	
40 05 23 23-1068	EA		4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	490.29	101.99
			For Work In Restricted Working Space, Add	*68.00*	
40 05 23 23-1069	EA		6", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	677.16	127.43
			For Work In Restricted Working Space, Add	*84.96*	
40 05 23 23-1070	EA		8", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,238.81	215.17
			For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-1071	EA		10", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,714.91	286.89
			For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-1072	EA		12", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	2,526.14	430.34
			For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1073	EA		14", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	3,292.94	502.07
			For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1074	EA		16", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	4,029.71	572.71
			For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-1075	EA		18", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	5,136.02	717.24
			For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-1076	EA		20", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	6,688.55	1,004.16
			For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-1077	EA		24", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	9,717.93	1,434.50
			For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-1078			**150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1079	EA		1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	192.04	72.78
			For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-1080	EA		3/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	202.76	77.25
			For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-1081	EA		1", 150 Lb., Type 304 Stainless Steel Slip-On Flange	222.79	84.91
			For Work In Restricted Working Space, Add	*56.61*	
40 05 23 23-1082	EA		1-1/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	252.03	92.61
			For Work In Restricted Working Space, Add	*61.74*	
40 05 23 23-1083	EA		1-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	273.08	102.08
			For Work In Restricted Working Space, Add	*68.06*	
40 05 23 23-1084	EA		2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	312.58	113.71
			For Work In Restricted Working Space, Add	*75.81*	
40 05 23 23-1085	EA		2-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	407.26	145.41
			For Work In Restricted Working Space, Add	*96.95*	
40 05 23 23-1086	EA		3", 150 Lb., Type 304 Stainless Steel Slip-On Flange	468.53	170.24
			For Work In Restricted Working Space, Add	*113.50*	
40 05 23 23-1087	EA		4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	576.07	203.99
			For Work In Restricted Working Space, Add	*136.00*	
40 05 23 23-1088	EA		6", 150 Lb., Type 304 Stainless Steel Slip-On Flange	753.52	254.86
			For Work In Restricted Working Space, Add	*169.91*	
40 05 23 23-1089	EA		8", 150 Lb., Type 304 Stainless Steel Slip-On Flange	1,310.16	430.34
			For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1090	EA		10" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,824.38	573.80
			For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-1091	EA		12" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,724.09	860.69
			For Work In Restricted Working Space, Add	*573.80*	
40 05 23 23-1092			**300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1093	EA		1/2", 300 Lb., Type 304 Stainless Steel Raised Neck Slip-On Flange	207.20	72.78
			For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-1094	EA		3/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	217.15	77.25
			For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-1095	EA		1", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	234.16	84.91
			For Work In Restricted Working Space, Add	*56.61*	
40 05 23 23-1096	EA		1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	275.53	92.61
			For Work In Restricted Working Space, Add	*61.74*	
40 05 23 23-1097	EA		1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	296.58	102.08
			For Work In Restricted Working Space, Add	*68.06*	
40 05 23 23-1098	EA		2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	328.46	113.71
			For Work In Restricted Working Space, Add	*75.81*	
40 05 23 23-1099	EA		2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	466.38	145.41
			For Work In Restricted Working Space, Add	*96.95*	
40 05 23 23-1100	EA		3", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	527.61	170.24
			For Work In Restricted Working Space, Add	*113.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1101	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	657.88	203.99
		For Work In Restricted Working Space, Add	*136.00*	
40 05 23 23-1102	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	984.59	254.86
		For Work In Restricted Working Space, Add	*169.91*	
40 05 23 23-1103	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,543.49	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1104	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,200.17	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-1105	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	3,207.47	860.69
		For Work In Restricted Working Space, Add	*573.80*	

40 05 23 23-1106 150 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1107	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	64.68	14.54
		For Work In Restricted Working Space, Add	*9.71*	
40 05 23 23-1108	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	67.67	15.44
		For Work In Restricted Working Space, Add	*10.30*	
40 05 23 23-1109	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	73.36	16.97
		For Work In Restricted Working Space, Add	*11.32*	
40 05 23 23-1110	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	92.78	18.90
		For Work In Restricted Working Space, Add	*12.60*	
40 05 23 23-1111	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	107.54	25.54
		For Work In Restricted Working Space, Add	*17.03*	
40 05 23 23-1112	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	125.90	28.35
		For Work In Restricted Working Space, Add	*18.90*	
40 05 23 23-1113	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	170.40	36.45
		For Work In Restricted Working Space, Add	*24.31*	
40 05 23 23-1114	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	212.00	51.08
		For Work In Restricted Working Space, Add	*34.05*	
40 05 23 23-1115	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	327.04	85.10
		For Work In Restricted Working Space, Add	*56.74*	
40 05 23 23-1116	EA	6", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	444.73	109.43
		For Work In Restricted Working Space, Add	*72.96*	
40 05 23 23-1117	EA	8", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	666.49	133.89
		For Work In Restricted Working Space, Add	*89.26*	
40 05 23 23-1118	EA	10", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	997.98	160.67
		For Work In Restricted Working Space, Add	*107.11*	
40 05 23 23-1119	EA	12", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,313.76	200.83
		For Work In Restricted Working Space, Add	*133.89*	
40 05 23 23-1120	EA	14", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,667.56	251.04
		For Work In Restricted Working Space, Add	*167.36*	
40 05 23 23-1121	EA	16", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,129.26	286.35
		For Work In Restricted Working Space, Add	*190.91*	
40 05 23 23-1122	EA	18", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,529.37	358.63
		For Work In Restricted Working Space, Add	*239.09*	
40 05 23 23-1123	EA	20", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,375.05	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1124	EA	24", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,907.03	717.24
		For Work In Restricted Working Space, Add	*478.17*	

40 05 23 23-1125 300 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1126	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	80.10	14.54
		For Work In Restricted Working Space, Add	*9.71*	
40 05 23 23-1127	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	82.09	15.44
		For Work In Restricted Working Space, Add	*10.30*	
40 05 23 23-1128	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	85.49	16.97
		For Work In Restricted Working Space, Add	*11.32*	
40 05 23 23-1129	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	107.16	18.90
		For Work In Restricted Working Space, Add	*12.60*	
40 05 23 23-1130	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	121.92	25.54
		For Work In Restricted Working Space, Add	*17.03*	
40 05 23 23-1131	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	133.47	28.35
		For Work In Restricted Working Space, Add	*18.90*	
40 05 23 23-1132	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	223.44	36.45
		For Work In Restricted Working Space, Add	*24.31*	
40 05 23 23-1133	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	261.63	51.08
		For Work In Restricted Working Space, Add	*34.05*	
40 05 23 23-1134	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	389.14	85.10
		For Work In Restricted Working Space, Add	*56.74*	
40 05 23 23-1135	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	700.79	109.43
		For Work In Restricted Working Space, Add	*72.96*	
40 05 23 23-1136	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	972.56	133.89
		For Work In Restricted Working Space, Add	*89.26*	
40 05 23 23-1137	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,370.71	160.67
		For Work In Restricted Working Space, Add	*107.11*	
40 05 23 23-1138	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,885.76	200.83
		For Work In Restricted Working Space, Add	*133.89*	
40 05 23 23-1139	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,621.59	251.04
		For Work In Restricted Working Space, Add	*167.36*	
40 05 23 23-1140	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,333.76	286.35
		For Work In Restricted Working Space, Add	*190.91*	
40 05 23 23-1141	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,342.13	358.63
		For Work In Restricted Working Space, Add	*239.09*	
40 05 23 23-1142	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,525.79	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1143	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	8,444.47	717.24
		For Work In Restricted Working Space, Add	*478.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1144			**150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1145	EA		1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	96.97	24.61
			For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-1146	EA		3/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	120.95	32.82
			For Work In Restricted Working Space, Add	*19.69*	
40 05 23 23-1147	EA		1", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	140.44	40.69
			For Work In Restricted Working Space, Add	*24.41*	
40 05 23 23-1148	EA		1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	193.92	57.57
			For Work In Restricted Working Space, Add	*34.54*	
40 05 23 23-1149	EA		1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	208.63	64.92
			For Work In Restricted Working Space, Add	*38.96*	
40 05 23 23-1150	EA		2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	262.70	82.46
			For Work In Restricted Working Space, Add	*49.48*	
40 05 23 23-1151	EA		2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	392.18	127.09
			For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-1152	EA		3", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	478.43	259.36
			For Work In Restricted Working Space, Add	*97.38*	
40 05 23 23-1153	EA		4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	618.96	203.37
			For Work In Restricted Working Space, Add	*122.05*	
40 05 23 23-1154			**300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1155	EA		1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	122.72	24.61
			For Work In Restricted Working Space, Add	*14.77*	
40 05 23 23-1156	EA		3/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	139.12	32.82
			For Work In Restricted Working Space, Add	*19.69*	
40 05 23 23-1157	EA		1", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	154.86	40.69
			For Work In Restricted Working Space, Add	*24.41*	
40 05 23 23-1158	EA		1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	235.63	57.57
			For Work In Restricted Working Space, Add	*34.54*	
40 05 23 23-1159	EA		1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	250.34	64.92
			For Work In Restricted Working Space, Add	*38.96*	
40 05 23 23-1160	EA		2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	298.29	82.46
			For Work In Restricted Working Space, Add	*49.48*	
40 05 23 23-1161	EA		2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	493.69	127.09
			For Work In Restricted Working Space, Add	*76.28*	
40 05 23 23-1162	EA		3", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	571.60	259.36
			For Work In Restricted Working Space, Add	*97.38*	
40 05 23 23-1163	EA		4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	773.51	203.37
			For Work In Restricted Working Space, Add	*122.05*	
40 05 23 23-1164			**150 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1019)*		
40 05 23 23-1165	EA		1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	132.38	36.38
			For Work In Restricted Working Space, Add	*24.26*	
40 05 23 23-1166	EA		3/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	141.18	38.62
			For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-1167	EA		1", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	157.98	42.46
			For Work In Restricted Working Space, Add	*28.31*	
40 05 23 23-1168	EA		1-1/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	191.57	46.30
			For Work In Restricted Working Space, Add	*30.87*	
40 05 23 23-1169	EA		1-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	202.09	51.03
			For Work In Restricted Working Space, Add	*34.03*	
40 05 23 23-1170	EA		2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	222.59	56.85
			For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-1171	EA		2-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	311.56	72.70
			For Work In Restricted Working Space, Add	*48.47*	
40 05 23 23-1172	EA		3", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	344.48	85.11
			For Work In Restricted Working Space, Add	*56.75*	
40 05 23 23-1173	EA		4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	455.47	101.99
			For Work In Restricted Working Space, Add	*68.00*	
40 05 23 23-1174	EA		6", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	678.69	127.43
			For Work In Restricted Working Space, Add	*84.96*	
40 05 23 23-1175	EA		8", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,130.49	215.17
			For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-1176	EA		10", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,635.36	286.89
			For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-1177	EA		12", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,440.54	430.34
			For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1178	EA		14", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,854.84	502.07
			For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1179	EA		16", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	3,542.12	572.71
			For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-1180	EA		18", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	4,350.75	717.24
			For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-1181	EA		20", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	5,666.09	1,004.16
			For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-1182	EA		24", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	8,054.97	1,434.50
			For Work In Restricted Working Space, Add	*956.34*	
40 05 23 23-1183			**300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1019)*		
40 05 23 23-1184	EA		1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	161.20	36.38
			For Work In Restricted Working Space, Add	*24.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1185	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	166.17	38.62
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-1186	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	174.67	42.46
		For Work In Restricted Working Space, Add	*28.31*	
40 05 23 23-1187	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	223.40	46.30
		For Work In Restricted Working Space, Add	*30.87*	
40 05 23 23-1188	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	233.92	51.03
		For Work In Restricted Working Space, Add	*34.03*	
40 05 23 23-1189	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	256.69	56.85
		For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-1190	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	371.45	72.70
		For Work In Restricted Working Space, Add	*48.47*	
40 05 23 23-1191	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	409.64	85.11
		For Work In Restricted Working Space, Add	*56.75*	
40 05 23 23-1192	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	603.93	101.99
		For Work In Restricted Working Space, Add	*68.00*	
40 05 23 23-1193	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	958.24	127.43
		For Work In Restricted Working Space, Add	*84.96*	
40 05 23 23-1194	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	1,525.98	215.17
		For Work In Restricted Working Space, Add	*143.45*	
40 05 23 23-1195	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	2,180.08	286.89
		For Work In Restricted Working Space, Add	*191.27*	
40 05 23 23-1196	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	3,209.49	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1197	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	4,286.85	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1198	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	5,288.29	572.71
		For Work In Restricted Working Space, Add	*381.81*	
40 05 23 23-1199	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	6,753.02	717.24
		For Work In Restricted Working Space, Add	*478.17*	
40 05 23 23-1200	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	8,723.24	1,004.16
		For Work In Restricted Working Space, Add	*669.44*	
40 05 23 23-1201	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	12,698.96	1,434.50
		For Work In Restricted Working Space, Add	*956.34*	

40 05 23 23-1202 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1203	EA	1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	201.15	72.78
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-1204	EA	3/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	216.42	77.25
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-1205	EA	1", 150 Lb., Type 316 Stainless Steel Slip-On Flange	238.44	84.91
		For Work In Restricted Working Space, Add	*56.61*	
40 05 23 23-1206	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	309.12	92.61
		For Work In Restricted Working Space, Add	*61.74*	
40 05 23 23-1207	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	291.26	102.08
		For Work In Restricted Working Space, Add	*68.06*	
40 05 23 23-1208	EA	2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	317.10	113.71
		For Work In Restricted Working Space, Add	*75.81*	
40 05 23 23-1209	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	404.24	145.41
		For Work In Restricted Working Space, Add	*96.95*	
40 05 23 23-1210	EA	3", 150 Lb., Type 316 Stainless Steel Slip-On Flange	494.28	170.24
		For Work In Restricted Working Space, Add	*113.50*	
40 05 23 23-1211	EA	4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	630.59	203.99
		For Work In Restricted Working Space, Add	*136.00*	
40 05 23 23-1212	EA	6", 150 Lb., Type 316 Stainless Steel Slip-On Flange	834.56	254.86
		For Work In Restricted Working Space, Add	*169.91*	
40 05 23 23-1213	EA	8", 150 Lb., Type 316 Stainless Steel Slip-On Flange	1,477.57	430.34
		For Work In Restricted Working Space, Add	*286.90*	
40 05 23 23-1214	EA	10" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,053.20	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-1215	EA	12" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	3,030.16	860.69
		For Work In Restricted Working Space, Add	*573.80*	

40 05 23 23-1216 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1217	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Neck Slip-On Flange	222.35	72.78
		For Work In Restricted Working Space, Add	*48.52*	
40 05 23 23-1218	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	232.30	77.25
		For Work In Restricted Working Space, Add	*51.51*	
40 05 23 23-1219	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	249.31	84.91
		For Work In Restricted Working Space, Add	*56.61*	
40 05 23 23-1220	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	305.07	92.61
		For Work In Restricted Working Space, Add	*61.74*	
40 05 23 23-1221	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	326.12	102.08
		For Work In Restricted Working Space, Add	*68.06*	
40 05 23 23-1222	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	356.39	113.71
		For Work In Restricted Working Space, Add	*75.81*	
40 05 23 23-1223	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	532.27	145.41
		For Work In Restricted Working Space, Add	*96.95*	
40 05 23 23-1224	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	595.03	170.24
		For Work In Restricted Working Space, Add	*113.50*	
40 05 23 23-1225	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	762.41	203.99
		For Work In Restricted Working Space, Add	*136.00*	
40 05 23 23-1226	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,136.88	254.86
		For Work In Restricted Working Space, Add	*169.91*	
40 05 23 23-1227	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,700.34	430.34
		For Work In Restricted Working Space, Add	*286.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1228	EA	10" 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,710.79	573.80
		For Work In Restricted Working Space, Add	*382.53*	
40 05 23 23-1229	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	3,657.49	860.69
		For Work In Restricted Working Space, Add	*573.80*	

40 05 23 23-1230 150 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1231	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	71.76	14.54
		For Work In Restricted Working Space, Add	*9.71*	
40 05 23 23-1232	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	80.56	15.44
		For Work In Restricted Working Space, Add	*10.30*	
40 05 23 23-1233	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	90.77	16.97
		For Work In Restricted Working Space, Add	*11.32*	
40 05 23 23-1234	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	106.40	18.90
		For Work In Restricted Working Space, Add	*12.60*	
40 05 23 23-1235	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	121.16	25.54
		For Work In Restricted Working Space, Add	*17.03*	
40 05 23 23-1236	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	148.62	28.35
		For Work In Restricted Working Space, Add	*18.90*	
40 05 23 23-1237	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	206.03	36.45
		For Work In Restricted Working Space, Add	*24.31*	
40 05 23 23-1238	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	251.41	51.08
		For Work In Restricted Working Space, Add	*34.05*	
40 05 23 23-1239	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	393.70	85.10
		For Work In Restricted Working Space, Add	*56.74*	
40 05 23 23-1240	EA	6", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	551.57	109.43
		For Work In Restricted Working Space, Add	*72.96*	
40 05 23 23-1241	EA	8", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	921.79	133.89
		For Work In Restricted Working Space, Add	*89.26*	
40 05 23 23-1242	EA	10", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,199.52	160.67
		For Work In Restricted Working Space, Add	*107.11*	
40 05 23 23-1243	EA	12", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,894.87	200.83
		For Work In Restricted Working Space, Add	*133.89*	
40 05 23 23-1244	EA	14", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,262.51	251.04
		For Work In Restricted Working Space, Add	*167.36*	
40 05 23 23-1245	EA	16", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,929.66	286.35
		For Work In Restricted Working Space, Add	*190.91*	
40 05 23 23-1246	EA	18", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,458.18	358.63
		For Work In Restricted Working Space, Add	*239.09*	
40 05 23 23-1247	EA	20", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,586.35	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1248	EA	24", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	6,683.33	717.24
		For Work In Restricted Working Space, Add	*478.17*	

40 05 23 23-1249 300 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1250	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	105.85	14.54
		For Work In Restricted Working Space, Add	*9.71*	
40 05 23 23-1251	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	107.84	15.44
		For Work In Restricted Working Space, Add	*10.30*	
40 05 23 23-1252	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	111.24	16.97
		For Work In Restricted Working Space, Add	*11.32*	
40 05 23 23-1253	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	162.49	18.90
		For Work In Restricted Working Space, Add	*12.60*	
40 05 23 23-1254	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	177.25	25.54
		For Work In Restricted Working Space, Add	*17.03*	
40 05 23 23-1255	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	196.34	28.35
		For Work In Restricted Working Space, Add	*18.90*	
40 05 23 23-1256	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	320.43	36.45
		For Work In Restricted Working Space, Add	*24.31*	
40 05 23 23-1257	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	360.50	51.08
		For Work In Restricted Working Space, Add	*34.05*	
40 05 23 23-1258	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	555.82	85.10
		For Work In Restricted Working Space, Add	*56.74*	
40 05 23 23-1259	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	984.94	109.43
		For Work In Restricted Working Space, Add	*72.96*	
40 05 23 23-1260	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,266.54	133.89
		For Work In Restricted Working Space, Add	*89.26*	
40 05 23 23-1261	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,225.32	160.67
		For Work In Restricted Working Space, Add	*107.11*	
40 05 23 23-1262	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,716.88	200.83
		For Work In Restricted Working Space, Add	*133.89*	
40 05 23 23-1263	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,898.15	251.04
		For Work In Restricted Working Space, Add	*167.36*	
40 05 23 23-1264	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	5,002.29	286.35
		For Work In Restricted Working Space, Add	*190.91*	
40 05 23 23-1265	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	6,535.05	358.63
		For Work In Restricted Working Space, Add	*239.09*	
40 05 23 23-1266	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	8,253.69	502.07
		For Work In Restricted Working Space, Add	*334.72*	
40 05 23 23-1267	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	12,682.00	717.24
		For Work In Restricted Working Space, Add	*478.17*	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	23.24	
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	28.04	
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	33.71	
40 05 23 23-1273		Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*		
		Note: Pressure rating 5,000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	81.31	
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	80.64	
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	123.24	
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	76.25	
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	125.99	
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	97.13	
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	117.39	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	180.52	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	114.28	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	177.53	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	114.14	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	146.29	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	240.58	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	197.64	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	244.38	
40 05 23 23-1289		Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*		
40 05 23 23-1290		Needle Valves *(40 05 23 23-1289)*		
40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	431.46	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	681.39	
40 05 23 23-1293		Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)*		
40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	412.79	
40 05 23 23-1295		Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)*		
40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,690.09	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	429.10	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	86.08	

40 05 71 Solids Handling Valves *(40 05)*

40 05 71 16 Flap Gates *(40 05 71)*

40 05 71 16-0001		Cast Iron, Flap Valves *(40 05 71 16)*		
40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03)	718.36	138.02
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)	920.23	231.70
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)	1,066.46	282.95
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)	1,545.40	358.01
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)	2,018.42	438.56
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)	2,332.63	531.59
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)	4,406.79	729.01
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)	6,368.71	1,603.80
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)	6,128.13	889.38
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)	7,452.00	1,002.38
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)	9,594.29	1,230.20
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)	19,377.82	1,958.60

40 05 71 23 Mud Valves *(40 05 71)*

40 05 71 23-0001		Cast Iron, Non-Rising Stem, Mud Valves *(40 05 71 23)*		
40 05 71 23-0002	EA	3" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/03)	970.87	92.02
40 05 71 23-0003	EA	4" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/04)	1,120.15	154.45
40 05 71 23-0004	EA	6" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/06)	1,221.81	188.64
40 05 71 23-0005	EA	8" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/08)	1,585.04	238.68
40 05 71 23-0006	EA	10" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/10)	2,357.23	292.38
40 05 71 23-0007	EA	12" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/12)	2,770.16	354.39
40 05 71 23-0008	EA	14" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/14)	5,211.36	486.00
40 05 71 23-0009	EA	16" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/16)	7,061.10	1,069.20
40 05 71 23-0010	EA	18" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/18)	6,937.78	592.92
40 05 71 23-0011	EA	20" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/20)	7,675.88	668.25
40 05 71 23-0012	EA	24" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/24)	9,726.93	820.13
40 05 71 23-0013	EA	30" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/30)	15,101.56	1,305.73
40 05 71 23-0014		Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve *(40 05 71 23)*		
40 05 71 23-0015	EA	4" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/04CSS)	1,944.83	154.45
40 05 71 23-0016	EA	6" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/06CSS)	2,407.76	188.64
40 05 71 23-0017	EA	8" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/08CSS)	3,710.34	238.68
40 05 71 23-0018	EA	10" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/10CSS)	4,495.95	292.38
40 05 71 23-0019	EA	12" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/12CSS)	5,880.05	354.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 71 23-0020		**Cast Iron, Rising Stem, Mud Valves** *(40 05 71 23)*		
40 05 71 23-0021	EA	4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	1,399.63	154.45
40 05 71 23-0022	EA	6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	1,550.81	188.64
40 05 71 23-0023	EA	8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,975.17	238.68
40 05 71 23-0024	EA	10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	3,041.59	292.38
40 05 71 23-0025	EA	12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	3,955.71	354.39
40 05 71 23-0026	EA	16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	7,317.47	1,069.20
40 05 71 23-0027	EA	18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	7,571.67	592.92
40 05 71 23-0028		**Cast 316 Stainless Steel, Rising Stem, Mud Valves** *(40 05 71 23)*		
40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	2,282.30	154.45
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	2,826.44	188.64
40 05 71 23-0031	EA	8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	3,777.63	238.68
40 05 71 23-0032	EA	10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	5,297.68	292.38
40 05 71 23-0033	EA	12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	7,451.86	354.39

40 20 Liquids Process Piping *(40)*

40 23 Water and Wastewater Process Piping *(40 20)*

40 23 51 Water and Wastewater Process Valves *(40 23)*

40 23 51 00-0001		**Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,CI,T,NBR*LV)	769.16	208.67
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,CI,T,NBR*LV)	1,170.79	266.46
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-HD8)	2,320.87	410.87
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-CW8)	2,610.14	410.87
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-HD8)	3,276.49	501.22
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-CW8)	3,628.05	501.22
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-HD12)	4,843.51	640.45
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-CW12)	5,269.40	640.45
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-HD12)	7,322.70	779.67
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-CW12)	7,929.39	779.67
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-HD16)	12,445.97	1,296.00
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-CW20)	13,233.46	1,296.00
40 23 51 00-0014		**Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,CI,NBR,CR*LV)	764.40	208.72
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,CI,NBR,CR*LV)	1,163.84	266.47
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-HD8)	2,071.76	410.87
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-CW8)	2,419.30	410.87
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-HD8)	2,934.98	501.22
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-CW8)	3,286.53	501.22
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-HD12)	4,270.98	640.45
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-CW12)	4,694.85	640.45
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-HD12)	6,760.21	779.67
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-CW12)	7,184.09	779.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-HD16)	8,879.42	946.74
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-CW20)	9,662.90	946.74
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-HD16)	11,323.00	1,296.00
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20)	12,110.49	1,296.00
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16)	13,608.40	1,425.60
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20)	14,395.89	1,425.60
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24)	17,820.60	1,581.13
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	18,487.56	1,581.13
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	24,516.27	1,782.01
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	25,279.65	1,782.01
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	43,448.14	2,187.01
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	44,211.52	2,187.01
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	60,037.14	3,481.96
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	60,953.20	3,481.96
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	91,573.25	4,642.61
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	91,952.93	4,642.61

40 23 51 00-0041 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	2,372.11	266.47
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	2,783.94	266.47
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	2,650.33	410.87
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	3,064.16	410.87
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	4,136.30	501.22
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	4,550.13	501.22
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	5,076.55	640.45
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	5,578.77	640.45
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	8,218.67	779.67
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	8,720.90	779.67
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	9,737.23	946.74
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	10,384.09	946.74
40 23 51 00-0054	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	12,809.58	1,296.00
40 23 51 00-0055	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	13,452.43	1,296.00
40 23 51 00-0056	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	15,131.15	1,425.60
40 23 51 00-0057	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	15,774.00	1,425.60
40 23 51 00-0058	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	19,343.35	1,581.13
40 23 51 00-0059	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	20,134.86	1,581.13
40 23 51 00-0060	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	33,092.26	1,782.01
40 23 51 00-0061	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	26,336.33	1,782.01
40 23 51 00-0062	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	54,057.14	2,187.01
40 23 51 00-0063	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	54,057.14	2,187.01
40 23 51 00-0064	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	83,121.41	3,481.96
40 23 51 00-0065	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	83,121.41	3,481.96
40 23 51 00-0066	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	114,418.46	4,642.61
40 23 51 00-0067	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	114,418.46	4,642.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0068		**Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0069	EA	4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	1,505.25	411.88
40 23 51 00-0070	EA	6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	2,490.08	556.91
40 23 51 00-0071	EA	8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N)	4,357.32	636.43
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N)	6,167.59	779.67
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N)	7,727.66	945.05
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N)	11,061.84	1,296.00
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N)	13,676.71	1,425.60
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N)	17,645.05	1,583.98
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N)	23,610.25	1,782.01
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N)	46,296.01	2,193.25
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N)	62,772.04	3,545.26
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N)	90,550.09	4,431.58
40 23 51 00-0081		**Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0082	EA	4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP)	8,464.20	410.87
40 23 51 00-0083	EA	6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP)	9,284.92	501.22
40 23 51 00-0084	EA	8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP)	10,278.62	640.45
40 23 51 00-0085	EA	10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP)	11,871.27	779.67
40 23 51 00-0086	EA	12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP)	15,158.98	946.74
40 23 51 00-0087	EA	14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP)	18,465.62	1,296.00
40 23 51 00-0088	EA	16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP)	21,762.82	1,425.60
40 23 51 00-0089	EA	18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP)	25,522.31	1,581.13
40 23 51 00-0090	EA	20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP)	31,799.81	1,782.01
40 23 51 00-0091	EA	24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP)	59,696.12	2,187.01
40 23 51 00-0092		**Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,243.08	266.47
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	10,054.86	410.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	11,158.76	501.22
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	12,225.58	640.45
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	15,824.58	779.67
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	20,351.32	946.74
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	34,695.01	1,296.00
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC)	48,055.51	1,425.60
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC)	52,151.41	1,581.13
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC)	50,827.52	1,782.01
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC)	62,808.76	2,187.01
40 23 51 00-0104		**Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,275.91	208.67
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,528.08	266.47
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,114.86	410.87
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,656.76	501.22
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC)	6,105.58	640.45
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC)	8,354.58	779.67
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC)	14,591.32	946.74
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC)	17,010.01	1,296.00
40 23 51 00-0113	EA	16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC)	21,402.01	1,425.60
40 23 51 00-0114	EA	18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC)	31,451.41	1,581.13
40 23 51 00-0115	EA	20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC)	35,302.52	1,782.01
40 23 51 00-0116	EA	24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC)	54,033.76	2,187.01
40 23 51 00-0117		**Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valves** *(40 23 51)*		
40 23 51 00-0118	EA	2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,349.91	208.72
40 23 51 00-0119	EA	3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,530.08	266.47
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	2,098.86	410.87
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,509.76	501.22
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	3,270.58	640.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	4,709.58	779.67
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,12,BD,F1,S2,SMP,S2-CR*MN-HD16-CS)	6,266.32	946.74
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,14,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	8,910.01	1,296.00
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,16,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	10,962.01	1,425.60
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,18,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	15,026.41	1,581.13
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,20,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	18,067.52	1,782.01
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,24,BD,F1,S2,SMP,S2-CR*MNB-HD24-S1)	27,033.76	2,187.01
40 23 51 00-0130		**Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves** *(40 23 51)*		
40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1.2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,807.68	117.41
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,920.91	208.67
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	8,265.68	266.47
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	9,057.66	410.87
40 23 51 00-0135		**Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves** *(40 23 51)*		
40 23 51 00-0136	EA	2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	3,882.91	208.67
40 23 51 00-0137	EA	4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	6,994.87	410.87
40 23 51 00-0138	EA	6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	11,901.26	501.22
40 23 51 00-0139	EA	8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	13,305.58	640.45
40 23 51 00-0140	EA	10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	17,804.58	779.67
40 23 51 00-0141	EA	12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	24,581.32	946.74
40 23 51 00-0142	EA	14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	37,447.14	1,296.00
40 23 51 00-0143	EA	16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	60,282.01	1,425.60
40 23 51 00-0144	EA	18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	69,476.41	1,581.13
40 23 51 00-0145	EA	20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	87,687.52	1,782.01
40 23 51 00-0146		**Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves** *(40 23 51)*		
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,664.37	208.67
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,823.63	226.99
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,761.30	410.87
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,146.86	410.87
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,827.79	501.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	4,250.76	501.22
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	4,777.58	640.45
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	5,273.58	640.45
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	6,734.58	779.67
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	7,274.58	779.67
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	8,471.32	946.74
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	9,011.32	946.74
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	12,240.01	1,296.00
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	12,780.01	1,296.00
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16)	16,362.01	1,425.60
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	17,892.01	1,425.60
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	20,696.41	1,581.13
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	22,226.41	1,581.13
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	24,448.97	1,782.01
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30)	26,752.52	1,782.01
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16)	41,939.11	2,187.01
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20)	43,458.76	2,187.01
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	65,703.53	3,481.96
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	68,477.44	3,481.96
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	89,054.88	4,642.61
40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	90,359.98	4,642.61

40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits *(40 23 51)*

40 23 51 00-0174	EA	2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	463.50	
40 23 51 00-0175	EA	4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,291.80	
40 23 51 00-0176	EA	6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,608.38	
40 23 51 00-0177	EA	8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,913.39	
40 23 51 00-0178	EA	10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,480.62	
40 23 51 00-0179	EA	12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	5,431.73	
40 23 51 00-0180	EA	14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	9,251.39	
40 23 51 00-0181	EA	16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,608.61	

40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 Lb. Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,056.73	245.08
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,857.10	410.87
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,543.33	501.22
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	6,905.65	640.45
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	9,203.84	779.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	12,767.26	946.74
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	18,688.43	1,296.00
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	20,976.25	1,425.60
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	25,362.62	1,581.13
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	27,083.24	1,782.01
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	49,572.47	2,187.01

40 23 51 00-0194 Lever And Weight, 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,867.87	245.08
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,613.99	410.87
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	4,217.46	501.22
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,791.92	640.45
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	7,984.03	779.67
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,427.09	946.74
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	17,667.51	1,296.00
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	19,908.92	1,425.60
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	23,895.32	1,581.13
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	25,520.92	1,782.01
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	44,498.79	2,187.01

40 23 51 00-0206 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves *(40 23 51)*

40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	9,795.56	245.08
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,251.19	410.87
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	13,414.60	501.22
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,705.03	640.45
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	22,763.11	779.67
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	28,313.13	946.74

40 23 51 00-0213 Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves *(40 23 51)*

40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,419.12	245.08
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,862.38	410.87
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,382.19	501.22
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,878.79	640.45
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	5,860.55	779.67
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	8,349.73	946.74

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